TECHNICAL ADVISORY COMMITTEE REVIEW FOR:

(FINAL TAC - 1/22/2019 MEETING)

CHABAD OCEAN JEWISH CENTER

7 SEACREST PKWY
HOLLYWOOD, FL 33019

PROJECT TEAM

OWNER
CHABAD OCEAN SYNAGOGUE, INC.
RABBI MENASHE L. KUDAN
A: 5-7 SEACREST PKWY
HOLLYWOOD, FL 33019

ARCHITECT
KALLER ARCHITECTURE
MR. JOSEPH B. KALLER, P.A.
PM: JOSEPH PAIPILLA
A: 2417 HOLLYWOOD BLVD.
HOLLYWOOD, FL 33020
P: (954) 920-5746
F: (954) 926-2841
E: joseph@kallerarchitects.com

SURVEYOR
JOHN IBARRA & ASSOCIATES, INC.
MR. JOHN IBARRA
A: 777 NW 72ND AVE.
MIAMI, FL 33126
P: (305) 262-0400
F: (305) 262-0401
E: jibarra@ibarralandsurveyors.com

CIVIL ENGINEER:
GGB ENGINEERING, INC
MR. GARY BLOOM, P.E.
2699 STIRLING RD, SUITE C-202
FORT LAUDERDALE, FL, 33312
PH: 954-986-9899

LANDSCAPE ARCHITECT:
THE MIRROR OF PARADISE
MS. GABRIELA FOJT, ASLA
3924 N OCEAN DRIVE
FORT LAUDERDALE, FL 33308
PH: 954-478-3064

SITE LIGHTING:
GENESIS LIGHTING
MR. RYAN MCCARTHY
14101 NW 8 STREET
SUNRISE, FL 33325
PH: 954.306.3931
FX: 954.306.3404

GREEN BUILDING PRACTICES

1. ELECTRIC VEHICLE (EV) CHARGING STATION/ PARKING.
2. RECYCLE BIN PROVIDED WITHIN TRASH ROOM.
3. CENTRAL AIR CONDITIONER OF 18 SEER OR HIGHER SHALL BE PROVIDED.
4. WINDOWS SHALL BE LOW-E.
5. DOORS SHALL BE ENERGY EFFICIENT.
6. ROOFING MATERIALS ARE ENERGY STAR RATED.
7. ALL THERMOSTATS PROVIDED SHALL BE PROGRAMMABLE.
8. 100% OF THE LANDSCAPING MEETS THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT RECOMMENDATIONS.
9. OUTDOOR LIGHTING SHALL BE ENERGY-EFFICIENT.
10. ALL HOT WATER PIPES HAVE A MINIMUM OF ½" INSULATION.

DRAWING INDEX

PROJECT DATA

LEGAL DESCRIPTION:
LOT 13 AND 14, OF SEACREST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 23, PAGE 16, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (REFER TO ALTA SURVEY FOR FULL DESCRIPTION)

ADDRESS:
5- 7 SEACREST PKWY
HOLLYWOOD, FL 33019

FOLIO NUMBER:
514226100100 - 514226100110

PROPERTY OWNER:
CHABAD OCEAN DRIVE SYNAGOGUE, INC,

JURISDICTION:
CITY OF HOLLYWOOD
BROWARD COUNTY
STATE OF FLORIDA

I. SITE DATA:

1. ZONING: RM-25
2. EXISTING LAND USE: MHRES - MEDIUM HIGH RESIDENTIAL
3. PROPOSED USE: * PLACE OF WORSHIP
4. FEMA - FLOOD ZONE INFO:
   - JURISDICTION: CITY OF HOLLYWOOD - 125113
   - FLOOD MAP: 12011C0751H - 08/14/2014
   - ZONE: AE
   - BASE FLOOD ELEVATION: 7.0' NAVD
5. GROSS LOT AREA: 9,534 S.F. (0.22 ACRES)
6. F.A.R. : ---------- 5,883 S.F. (62%)

7. SETBACKS	REQUIRED	PROVIDED
FRONT	25'-0"	* 5'-5"
REAR	20'-0"	* 10'-0"
SIDE (WEST)	15'-0"	15'-0"
SIDE (EAST)	15'-0"	* 10'-0"

8. HEIGHT	ALLOWED	PROVIDED
(T.O. ROOF STRUCTURE)	65'-0"	49'-0"

9. PARKING	REQUIRED	PROVIDED
PLACE OF WORSHIP - 1/60 S.F. (KIDDUSH ROOM)	2,025 S.F. / 60= 34	
OFFICES - 1/250 S.F.	454 S.F. / 250= 2	
TOTAL	36 SPACES	* 10 SPACES (INCL. 1 ADA)

10. PERVIOUS AREAS	ALLOWED	PROVIDED
LANDSCAPED	40% (3,814 S.F.)	3,850 S.F. (40%)
GROUND FLOOR		3,487 S.F.
ROOF PLANTER		363 S.F.
* HARDSCAPED (PARKING OVERHANG)		(60 S.F.)

11. IMPERVIOUS AREAS
   - BUILDING FOOTPRINT ---------- 2,035 S.F.
   - SITE WALL ---------- 53 S.F.
   - CONC. SIDEWALKS + CURBING ---------- 641 S.F.
   - CONC. PAVEMENT ---------- 3,069 S.F.
   - CONC. PAVERS ---------- 243 S.F.
   - TOTAL ---------- 6,041 S.F. (63%)

* VARIANCES REQUESTED:
- FRONT, EAST AND REAR SETBACKS
- PARKING
- SIGNAGE (SECONDARY SIGN)

* SPECIAL EXCEPTIONS REQUESTED:
PLACE OF WORSHIP ON RESIDENTIAL DISTRICT

II. BUILDING DATA:

A. GROSS AREAS:

NOTE: BUILDING AREAS PROVIDED AS GROSS SQUARE FEET (G.S.F.) MEASURED TO THE OUTSIDE FACE OF EXTERIOR WALLS.

1. BUILDING AREA (GROSS)
   - GROUND ---------- 2,035 G.S.F.
   - SECOND ---------- 5,825 G.S.F.
   - THIRD ---------- 5,844 G.S.F.
   - FOURTH ---------- 5,887 G.S.F.
   - TOTAL ---------- 19,591 G.S.F.

B. NET AREAS:

NOTE: NET AREAS PROVIDED AS NET SQUARE FOOTAGE (N.S.F.) MEASURED TO THE INSIDE FACE OF FINISHED WALLS.

LOCATION	SPACE	AREA		TOTAL AREA	
		AC	NON AC	AC	NON AC
1ST FLOOR	FOYER	100		922	291
	GALLERY	505			
	ELECTRICAL ROOM		23		
	FIRE PUMP ROOM		42		
	TRASH ROOM		91		
	ELEVATOR		66		
	STAIRWELLS	317	69		
2ND FLOOR	SANCTUARY	1,571		5,139	254
	LIBRARY	1,016			
	OFFICES	454			
	PLAYROOM	418			
	STORAGE/JANITOR	245			
	CORRIDORS	718			
	RESTROOMS	400			
	ELEVATOR		66		
	STAIRWELLS	317	188		
3RD FLOOR	KIDDUSH ROOM	2,025		4,280	254
	KITCHEN	682			
	STORAGE	188			
	RESTROOMS	325			
	ELEVATOR		66		
	STAIRWELLS	317	188		
	CORRIDORS	743			
4TH FLOOR	CLASSROOMS	1,055		1,888	2,680
	BRIDE ROOM	177			
	TERRACE		2,407		
	STORAGE/JANITOR	58	19		
	RESTROOMS	281			
	ELEVATOR		66		
	STAIRWELLS	317	188		
TOTAL NET AREAS				12,229	3,479

C. OCCUPANT LOADS:

NOTE: GROSS AREAS ARE MEASURED TO THE OUTSIDE FACE OF EXTERIOR WALLS AND CENTER LINE OF DEMISING WALLS. NET AREAS ARE MEASURED TO THE INSIDE FACE OF FINISHED WALLS.

SPACE	USE	LOAD FACTOR	AREA	OCCUPANTS
1. GROUND FLOOR				
GALLERY	ASSEMBLY	@ 30 NET	505 S.F.	17 PERSONS
2. SECOND FLOOR				
LIBRARY	READING ROOM	@ 50 NET	1,016 S.F.	20 PERSONS
OFFICES	BUSINESS	@ 100 GROSS	498 S.F.	5 PERSONS
PLAYROOM	DAYCARE	@ 35 NET	418 S.F.	12 PERSONS
SANCTUARY	ASSEMBLY (C)	@ 7 NET	1,571 S.F.	224 PERSONS
JANITOR	ACCESORY	@ 300 GROSS	279 S.F.	1 PERSONS
SUBTOTAL				262 PERSONS
3. THIRD FLOOR				
KIDDUSH ROOM	ASSEMBLY (U)	@ 15 NET	2,025 S.F.	135 PERSONS
KITCHEN	KITCHEN	@ 200 GROSS	728 S.F.	4 PERSONS
STORAGE	ACCESORY	@ 300 GROSS	219 S.F.	1 PERSONS
SUBTOTAL				140 PERSONS
4. FOURTH FLOOR				
BRIDE ROOM	RESIDENTIAL	@ 200 GROSS	195 S.F.	1 PERSONS
CLASSROOMS	EDUCATIONAL	@ 20 NET	1,055 S.F.	53 PERSONS
JANITOR	ACCESORY	@ 300 GROSS	97 S.F.	1 PERSONS
TERRACE	ASSEMBLY (U)	@ 7 NET	1,991 S.F.	284 PERSONS
SUBTOTAL				339 PERSONS
TOTAL				* 758 PERSONS

* NOTE: ASSEMBLY ROOMS SHALL BE USED INDEPENDENTLY AND NEVER AT THE SAME TIME.

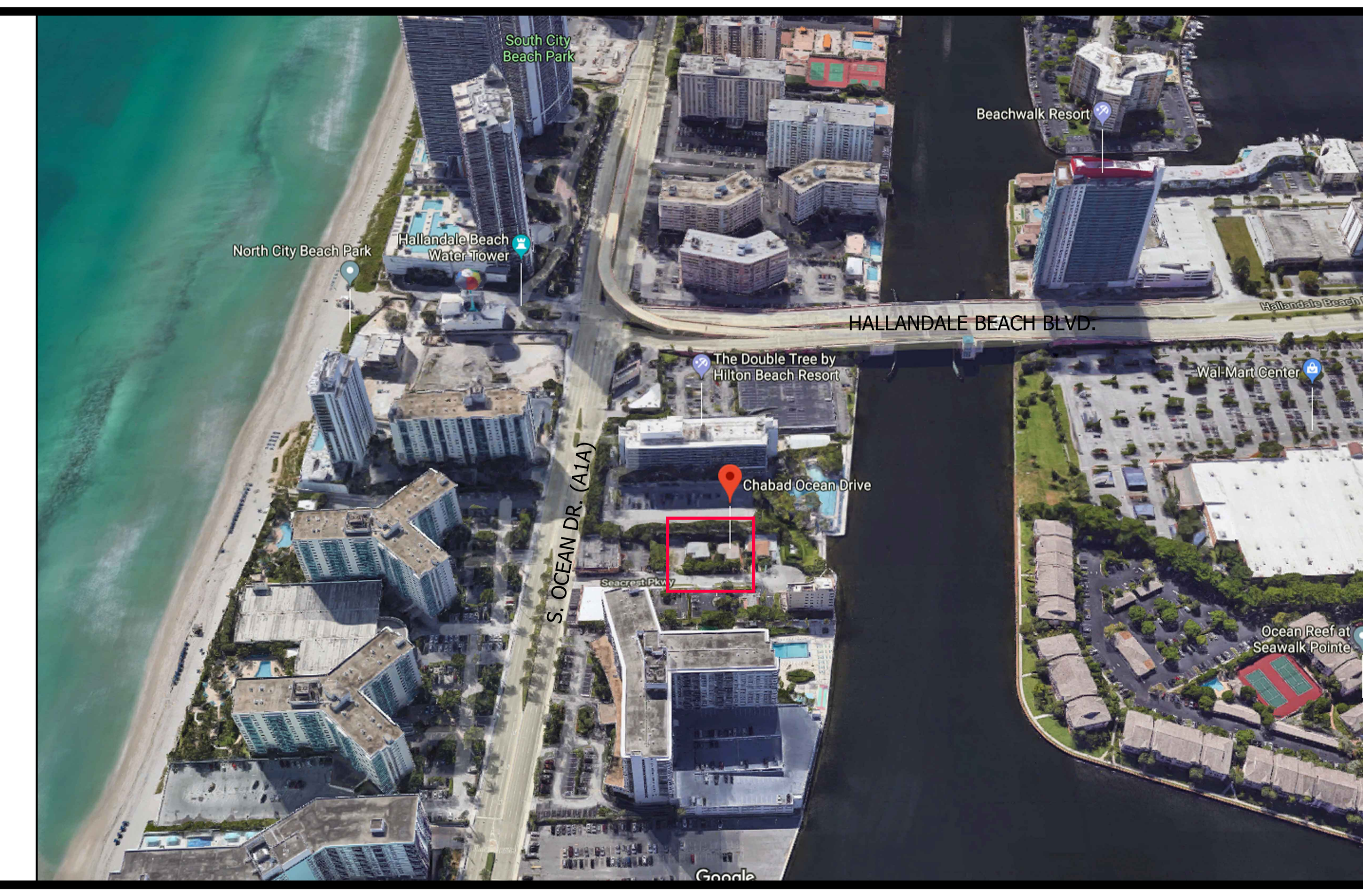
BUILDING CODE CRITERIA

2017 FLORIDA BUILDING CODE
2018 FLORIDA FIRE PREVENTION CODE

1. OCCUPANCY TYPE (SECTION 303.1) — GROUP 'A' - ASSEMBLY
2. CONSTRUCTION TYPE (SECTION 602) — TYPE IIIA
3. ULTIMATE DESIGN WIND SPEEDS (FIGURE 1609.3) — 190 MPH
4. RISK CATEGORY (SECTION 1604.5) — CAT III
5. FIRE SPRINKLER (SECTION 903.2.1) — YES - FULLY AUTOMATIC
6. FIRE ALARM (SECTION 907.2.1) — YES

LOCATION MAP/ AERIAL VIEW

SCALE: NTS



AERIAL VIEW

CONCEPTUAL RENDERING

Kaller Architecture
AA# 26001212
2417 Hollywood Blvd.
Hollywood Florida 33020
954.920.5746
joseph@kallerarchitects.com
www.kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE: CHABAD OCEAN JEWISH CENTER, 7 SEACREST PKWY, HOLLYWOOD, FL 33019

SHEET TITLE: COVER SHEET, PROJECT LOCATION, INDEX

REVISIONS

No.	DATE	DESCRIPTION
-	-	-

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET

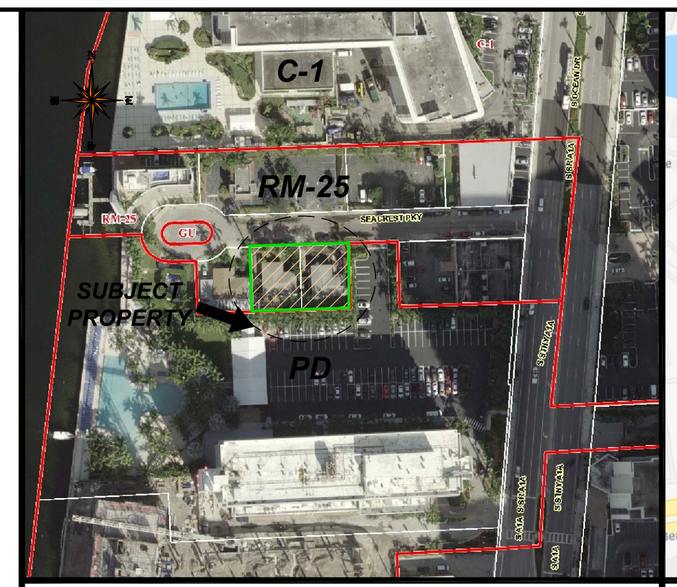
T-1

JOHN IBARRA & ASSOCIATES, INC.
Professional Land Surveyors & Mappers
WWW.IBARRALANDSURVEYORS.COM
777 N.W. 72nd AVENUE
SUITE 3025
MIAMI, FLORIDA 33126
PH: (305) 262-0400
FAX : (305) 262-0401

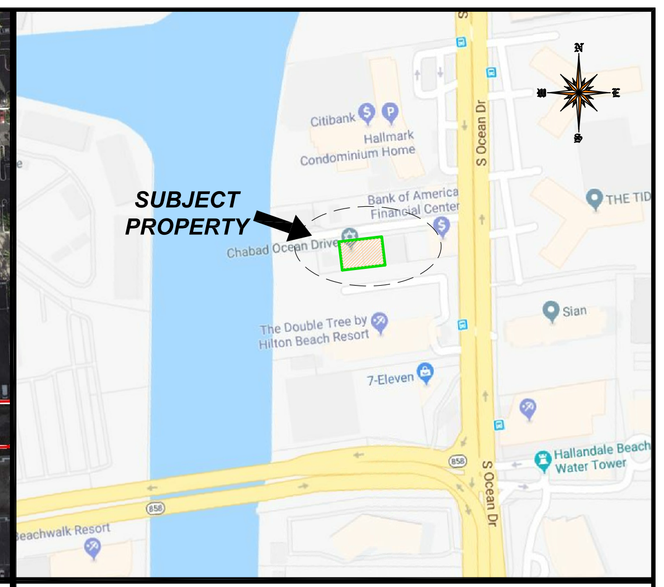
4851 TAMIAMI TRAIL NORTH
SUITE # 200
NAPLES, FL 34103
PH: (239) 540-2660
FAX: (239) 540-2664

ALTA/NSPS Land Title Survey

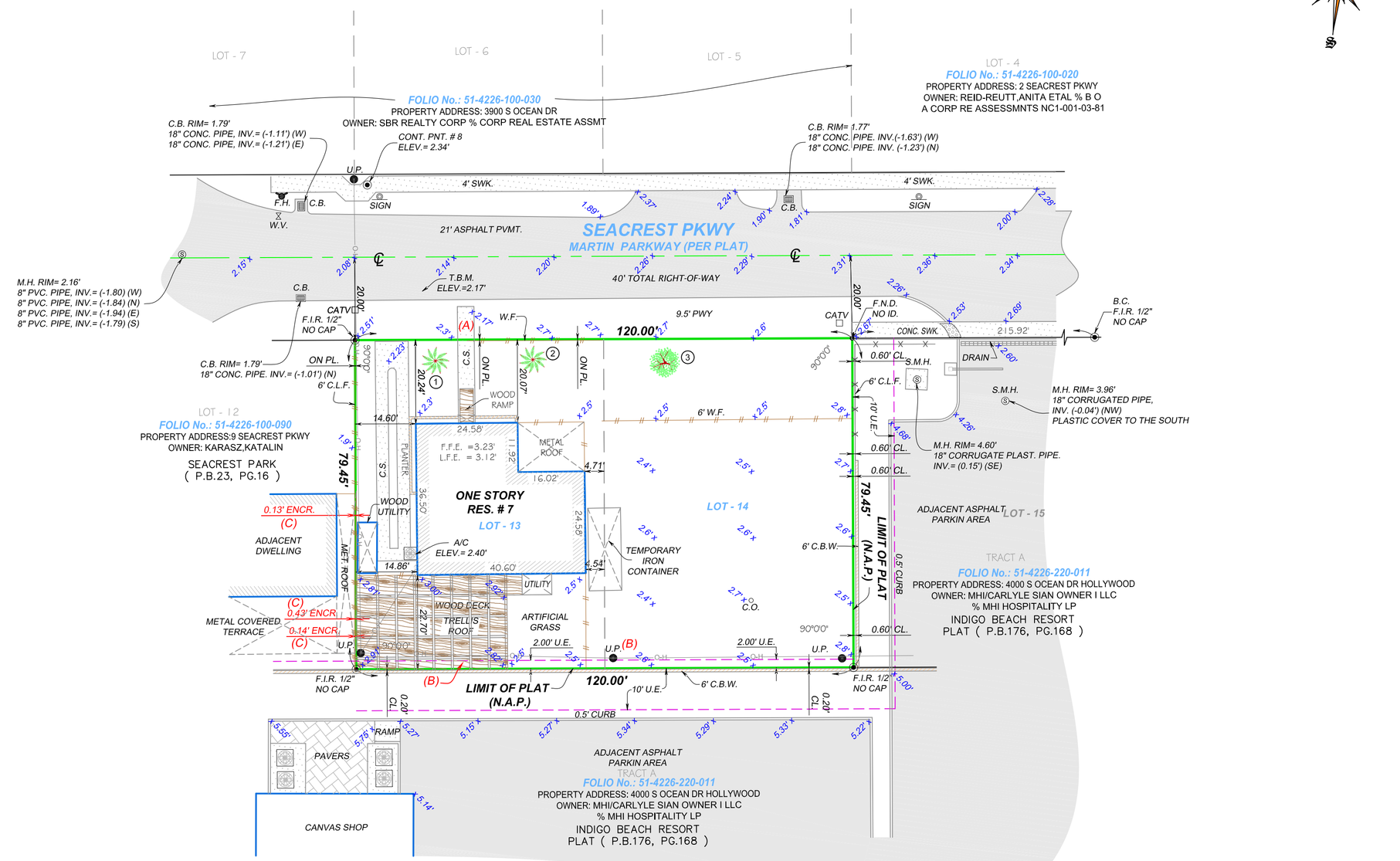
GRAPHIC SCALE
-20 0 10 20 40 80
(IN FEET)
1 INCH = 20 FEET



ZONING SKETCH
SCALE = N.T.S.



LOCATION SKETCH
SCALE = 1" - 300'



ENCROACHMENT NOTES:

A. NORTH SIDE OF THE SUBJECT PROPERTY, CONCRETE WALK IS ENCROACHING INTO THE RIGHT OF WAY OF MARTIN PARKWAY.
B. SOUTH SIDE OF THE SUBJECT PROPERTY, TRELLIS AND WOOD DECK ARE ENCROACHING INTO THE 2 FOOT UTILITY EASEMENT AND UTILITY POLE LIES INTO THE SUBJECT PROPERTY.
C. WEST SIDE OF THE SUBJECT PROPERTY, ROOF METAL IS ENCROACHING INTO THE SUBJECT PROPERTY AND WOOD FENCE IS ENCROACHING INTO THE NEIGHBOR'S PROPERTY.

TREE TABLE

No.	Name	Diameter (Ft.)	Height (Ft.)	Spread (Ft.)
1	COCONUT	0.80	30	15
2	COCONUT	1.00	30	12
3	GUMBOLIMBO	2.00	20	20

ABBREVIATIONS

A = ARC
AC = AIR CONDITIONER PAD
A.E. = ANCHOR EASEMENT
A.R. = ALUMINUM ROOF
A.S. = ALUMINUM SHED
ASPH. = ASPHALT
B.C. = BLOCK CORNER
BLDG. = BUILDING
B.M. = BENCH MARK
B.C.R. = BROWARD COUNTY RECORDS
B.O.B. = BASIS OF BEARING
B.S.L. = BUILDING SETBACK LINE
(C) = CALCULATED
C.B. = CATCH BASIN
C.B.S. = CONCRETE BLOCK STRUCTURE
C.B.W. = CONCRETE BLOCK WALL
CH. = CHORD
CH.B. = CHORD BEARING
CH.L. = CHORD LENGTH
CL. = CLEAR
C.O. = CLEAN OUT
C.L.F. = CHAIN LINK FENCE
C.M.E. = CANAL MAINTENANCE EASEMENT
CONC. = CONCRETE
C.U.P. = CONCRETE UTILITY POLE
C.P. = CONCRETE PORCH
C.S. = CONCRETE SLAB
C.W. = CONCRETE WALK
D.E. = DRAINAGE EASEMENT
D.M.E. = DRAINAGE MAINTENANCE EASEMENT
DRIVE = DRIVEWAY
° = DEGREES
EB = ELECTRIC BOX
E.T.P. = ELECTRIC TRANSFORMER PAD
ELEV. = ELEVATION
ENCR. = ENCROACHMENT
F.H. = FIRE HYDRANT
F.I.P. = FOUND IRON PIPE
F.I.R. = FOUND IRON ROD
F.F.E. = FINISHED FLOOR ELEVATION
F.N.D. = FOUND NAIL & DISK
FT. = FEET
FNIP = FEDERAL NATIONAL INSURANCE PROGRAM
F.N. = FOUND NAIL
H. = HIGH OR (HEIGHT)
I.N.&E.G. = INGRESS AND EGRESS EASEMENT
I.C.V. = IRRIGATION CONTROL VALVE
I.F. = IRON FENCE
L.B. = LICENSED BUSINESS
L.P. = LIGHT POLE
L.F.E. = LOWEST FLOOR ELEVATION
L.M.E. = LAKE MAINTENANCE EASEMENT
' = MINUTES
(M) = MEASURED DISTANCE
M.B. = MAIL BOX
M.D.C.R = MIAMI DADE COUNTY RECORDS
M.E. = MAINTENANCE EASEMENT
M.H. = MANHOLE
N.A.P. = NOT A PART OF
NGVD = NATIONAL GEODETIC VERTICAL DATUM
N.T.S. = NOT TO SCALE
# or NO. = NUMBER
O/S = OFFSET
O.H. = OVERHEAD
O.H.L. = OVERHEAD UTILITY LINES
O.R.B. = OFFICIAL RECORDS BOOK
O.V.H. = OVERHANG
PVMT. = PAVEMENT
PL. = PLANTER
P.L. = PROPERTY LINE
P.C.C. = POINT OF COMPOUND CURVATURE
P.C. = POINT OF CURVATURE
P.O.T. = POINT OF TANGENCY
P.O.C. = POINT OF COMMENCEMENT
P.O.B. = POINT OF BEGINNING
P.R.C. = POINT OF REVERSE CURVATURE
PWY. = PARKWAY
P.R.M. = PERMANENT REFERENCE MONUMENT
P.L.S. = PROFESSIONAL LAND SURVEYOR
P.P. = POWER POLE
P.P.S. = POOL PUMP SLAB
P.U.E. = PUBLIC UTILITY EASEMENT
(R) = RECORD DISTANCE
R.R. = RAIL ROAD
RES. = RESIDENCE
R/W = RIGHT-OF-WAY
RAD. = RADIUS OR RADIAL
RGE. = RANGE
R.O.E. = ROOF OVERHANG EASEMENT
SEC. = SECTION
STY. = STORY
SWK. = SIDEWALK
S.I.P. = SET IRON PIPE
S = SOUTH
S.P. = SCREENED PORCH
S.V. = SEWER VALVE
" = SECONDS
T. = TANGENT
TB = TELEPHONE BOOTH
T.B.M. = TEMPORARY BENCHMARK
T.U.E. = TECHNOLOGY UTILITY EASEMENT
TSB = TRAFFIC SIGNAL BOX
T.S.P. = TRAFFIC SIGNAL POLE
TWP. = TOWNSHIP
UTIL. = UTILITY
U.E. = UTILITY EASEMENT
U.P. = UTILITY POLE
W.M. = WATER METER
W.F. = WOOD FENCE
W.P. = WOOD PORCH
W.R. = WOOD ROOF
W.V. = WATER VALVE
℄ = MONUMENT LINE
℄ = CENTER LINE
Δ = DELTA

SURVEYOR'S CERTIFICATE:

1A. THE POSITIONAL UNCERTAINTIES RESULTING FROM THE SURVEY MEASUREMENTS MADE ON THE SURVEY DO NOT EXCEED THE ALLOWABLE POSITIONAL TOLERANCE:

1B. THE SURVEY MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE "MINIMUM ANGLE, DISTANCE AND CLOSURE REQUIREMENTS FOR SURVEYS MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/NSPS LAND TITLE SURVEYS;" OR

1C. PROPER FIELD PROCEDURES, INSTRUMENTATION AND ADEQUATE SURVEY PERSONNEL WERE EMPLOYED IN ORDER TO ACHIEVE RESULTS COMPARABLE TO THOSE OUTLINED IN THE "MINIMUM ANGLE,DISTANCE AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/NSPS LAND TITLE SURVEYS."

2. THE LOCATION OF THE SUBJECT PROPERTY IS IN ZONE RM-25, BEACH RESORT.
SETBACKS ARE AS PER CITY OF HOLLYWOOD:

ZONED SETBACKS MUST BE CHECKED WITH THE CITY OF HOLLYWOOD BUILDING DEPARTMENT PRIOR TO ANY CONSTRUCTION OR DESIGN WORK.

	Front	Side/interior	Side/Street	Rear
(1) Pedestal	25 ft.; except Retail uses shall provide 0 ft. setback.	The sum of the side yard setbacks shall be at least 15% of the lot width, but not to exceed 50 ft., with no side yard less than 10 ft., whichever is greater. Retail uses shall provide 0 ft. setback.	15 ft. minimum; except retail uses shall provide 0 ft. setback.	1 story bldg. - 20 ft., 2 story bldg. or higher - 15% of the lot depth; 20 ft. min.; 50 ft. maximum.
(2) Tower	25 ft. + 1 ft. increase for each ft. of height above 50 ft. Setback not to exceed 50 ft.	The required pedestal setback plus 20% of the height of the tower portion of the bldg. The total required tower setback shall not exceed 50 ft.	The required pedestal setback plus 15% of the height of the tower portion of the bldg. The total required tower setback shall not exceed 50 ft.	Oceanfront lots* - 25% of lot depth, Non-oceanfront lots - 15% of lot depth, No setback less than pedestal setback.
(3) Setbacks are measured from the base building line pursuant to Article 3.				
(4) See § 4.3.D for RM-WET Multiple Family Wetlands District Regulations.				
(5) See § 5.3.E for NBDD North Beach Development District Regulations.				
* Oceanfront Lots are properties that have the erosion control line as a property line.				

3. THE PROPERTY HAS DIRECT PEDESTRIAN ACCESS TO AND FROM PUBLICLY USED AND MAINTAINED STREETS OR HIGHWAYS KNOWN AS SEACREST PKWY.

4. MUNICIPAL WATER, MUNICIPAL STORM SEWER AND MUNICIPAL SANITARY FACILITIES, TELEPHONE, AND ELECTRIC SERVICES OF PUBLIC UTILITIES ARE AVAILABLE AT THE BOUNDARY OF THE PROPERTY IN THE LOCATIONS AS SHOWN ON THE SURVEY.

5. THE SUBJECT PROPERTY DOES SERVE ADJOINING PROPERTY FOR VISIBLE SUBSURFACE DRAINAGE STRUCTURES, VISIBLE WATER COURSES, UTILITIES, STRUCTURAL SUPPORT OR INGRESS & EGRESS.

6. THE PROPERTY DESCRIBED ON THIS SURVEY DOES LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE PROPERTY LIES WITHIN ZONE "AE" OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS COMMUNITY NO. 125113 PANEL NO. 0751, SUFFIX "H", AND HAVING A BASE FLOOD OF 7 FEET, BEARING AN EFFECTIVE DATE OF 08/18/2014.

7. THE LAND AREA OF THE SUBJECT PROPERTY IS IN TOTAL ±9,534 SQUARE FEET OR ±0.218 ACRES AS DESCRIBED IN THE LEGAL DESCRIPTION.

8. THE TOTAL BUILDING AREA (BASED UPON EXTERIOR FOOTPRINT OF BUILDING ON GROUND SURFACE, NOT INTERIOR USABLE FLOOR SPACE) IS 1,291 SQUARE FEET.

9. THERE ARE NO REGULAR PARKING SPACES AND NO MARKED HANDICAPPED PARKING SPACES ON THE SUBJECT PROPERTY.

10. ALL ELEVATIONS SHOWN ARE REFERRED TO NORTH AMERICAN VERTICAL DATUM OF 1988; BROWARD BENCH MARK K A1481; ELEVATION IS 4.22 FEET OF N.G.V.D. OF 1929; CONVERTED TO NAVD (88) BY USING CORPSCON.

11. THE PARTIES LISTED ABOVE AND THEIR SUCCESSORS AND ASSIGNS ARE ENTITLED TO RELY ON THE SURVEY AND THIS CERTIFICATE AS BEING TRUE AND ACCURATE.

12. FLOOR ELEVATION OF EXISTING BUILDING IS 3.23 FEET.

13. THERE IS NO VISIBLE OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

14. THERE IS NO VISIBLE OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF BROWARD, STATE OF FLORIDA, AND IS DESCRIBED AS FOLLOWS:

LOTS 13 AND 14, OF SEACREST PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 23, PAGE 16, OF PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY :

- *THE PURPOSE OF THIS SURVEY IS FOR USE IN OBTAINING TITLE INSURANCE AND FINANCING AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.*
- *THE TERM "ENCROACHMENT" MEANS VISIBLE AND ABOVE GROUND ENCROACHMENTS.*
- *ZONING REPORT HAS NOT BEEN PROVIDED FOR REFERENCE TO SURVEYOR BY THE PLANNING & ZONING RESOURCE COMPANY.*
- *UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTING AND/OR FOUNDATIONS.*
- *BOUNDARY SURVEY MEANS A DRAWING AND/ OR A GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD, COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE; THE WALLS OR FENCES MAY BE EXAGGERATED FOR CLARITY PURPOSES.*

TITLE COMMITMENT NOTES:

THAT I HAVE REVIEWED THE COMMITMENT AND ALL ITEMS ARE SHOWN ON THE SURVEY.
THE ITEMS SHOWN HERE FORTH ARE PER SPECIAL EXCEPTIONS OF KODSI LAW FIRM P.A. OWNER & ENCUMBRANCE REPORT ORDER NUMBER 7078948, DATED JUNE 19, 2018, AT 6:00 A.M.:

1. PLAT OF SEACREST PARK RECORDED IN PLAT BOOK 23, PAGE 16, LOT LINES, EASEMENTS, ROAD LINES AS SHOWN ON PLAT.

2. ORDINANCE NO. 0-72-39 RECORDED MARCH 30, 1978 IN OFFICIAL RECORDS BOOK 7489, PAGE 390, DOES AFFECT THE PROPERTY. ITEM IS BLANKET IN NATURE AND IS NOT PLOTTABLE. ZONING MUST BE CHECK WITH THE CITY OF HOLLYWOOD BUILDING DEPARTMENT PRIOR TO ANY CONSTRUCTION OR DESIGN WORK.

3. ORDINANCE NO. 2002-61 RECORDED NOVEMBER 21, 2002 IN OFFICIAL RECORDS BOOK 34145, PAGE 1991, DOES AFFECT THE PROPERTY. ITEM IS BLANKET IN NATURE AND IS NOT PLOTTABLE.

LEGEND

- = OVERHEAD UTILITY LINES
- = CONCRETE BLOCK WALL
- = CHAIN LINK FENCE
- = IRON FENCE
- = WOOD FENCE
- = BUILDING SETBACK LINE
- = UTILITY EASEMENT
- = LIMITED ACCESS R/W
- = NON-VEHICULAR ACCESS R/W
- × 0.00 = EXISTING ELEVATIONS

Project Address:
7- 5 SEACREST PARKWAY., HOLLYWOOD FL, 33019

Project Location: BROWARD COUNTY

SECTION 26, TOWNSHIP 51 SOUTH, RANGE 42 EAST

Folio No.: 5142 26 10 0100, 5142 26 10 0110

DRAWN BY: TB/KEVIN

Job Number: 16-002121-2

CHABAD OCEAN SYNAGOGUE, INC.,
A FLORIDA NOT FOR PROFIT CORPORATION
5-7 SEACREST PKWY., HOLLYWOOD, FL 33019

BASED UPON OWNER & ENCUMBRANCE REPORT ORDER NUMBER 7078948
OF KODSI LAW FIRM P.A
BEARING AN EFFECTIVE DATE OF JUNE 19, 2018 AT 6:00 AM

SURVEYOR'S CERTIFICATION

TO: CHABAD OCEAN SYNAGOGUE, INC., A FLORIDA NOT FOR PROFIT CORPORATION, GUARANTEED FLORIDA TITLE, INC., OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, ITS SUCCESSOR AND/OR ASSIGNS, AS THEIR RESPECTIVE INTERESTS MAY APPEAR:

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 1,2,3,4,5,7(A),7(B-1),8,9,13,16,19, OF TABLE A THEREOF, THE FIELD WORK WAS COMPLETED ON JUNE 29, 2018:

06/29/2018
(DATE OF SURVEY)

CARLOS IBARRA *PROFESSIONAL LAND SURVEYOR NO.: 6770* ***STATE OF FLORIDA*** *(NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER).*
REVISED SURVEY:

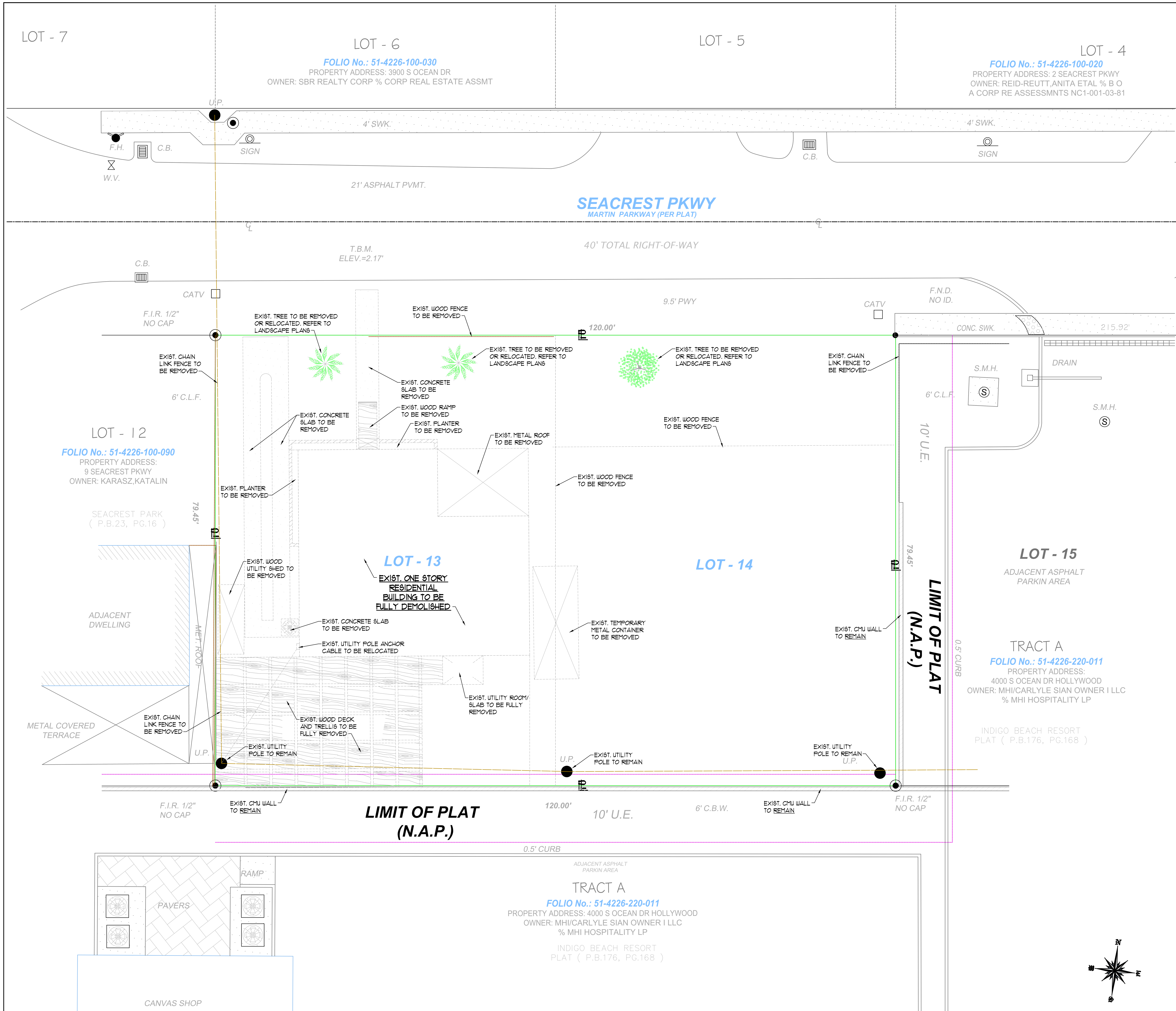
I HEREBY CERTIFY: THIS "ALTA/NSPS SURVEY" OF THE PROPERTY DESCRIBED HEREON, HAS RECENTLY BEEN SURVEYED AND DRAWN UNDER MY SUPERVISION, AND COMPLIES WITH THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 472.027, FLORIDA STATUTES.

777 N.W. 72nd AVENUE SUITE3025
MIAMI, FLORIDA 33126
TELEPHONE: (305) 262-0400 FAX (305) 262-0401
www.ibaralandsurveyors.com

John Ibarra And Assor.,Inc.
LAND SURVEYORS
L.B.# 7806

CARLOS IBARRA CERTIFICATE NO. 6770 STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR

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


LOT - 7
LOT - 6
FOLIO No.: 51-4226-100-030
PROPERTY ADDRESS: 3900 S OCEAN DR
OWNER: SBR REALTY CORP % CORP REAL ESTATE ASSMT
LOT - 5
LOT - 4
FOLIO No.: 51-4226-100-020
PROPERTY ADDRESS: 2 SEACREST PKWY
OWNER: REID-REUTT,ANITA ETAL % B O
A CORP RE ASSESSMNTS NC1-001-03-81
U.P.
4' SWK.
F.H.
C.B.
SIGN
W.V.
21' ASPHALT PVMT.
SEACREST PKWY
MARTIN PARKWAY (PER PLAT)
40' TOTAL RIGHT-OF-WAY
T.B.M.
ELEV.=2.17'
CATV
9.5' PWY
F.I.R. 1/2"
NO CAP
F.N.D.
NO ID.
CONC. SWK.
215.92'
DRAIN
S.M.H.
120.00'
EXIST. TREE TO BE REMOVED OR RELOCATED, REFER TO LANDSCAPE PLANS
EXIST. WOOD FENCE TO BE REMOVED
EXIST. CHAIN LINK FENCE TO BE REMOVED
EXIST. CONCRETE SLAB TO BE REMOVED
EXIST. WOOD RAMP TO BE REMOVED
EXIST. PLANTER TO BE REMOVED
EXIST. METAL ROOF TO BE REMOVED
6' C.L.F.
10' U.E.
LOT - 12
FOLIO No.: 51-4226-100-090
PROPERTY ADDRESS:
9 SEACREST PKWY
OWNER: KARASZ,KATALIN
SEACREST PARK
(P.B.23, PG.16)
79.45'
EXIST. WOOD UTILITY SHED TO BE REMOVED
LOT - 13
EXIST. ONE STORY RESIDENTIAL BUILDING TO BE FULLY DEMOLISHED
LOT - 14
LOT - 15
ADJACENT ASPHALT PARKIN AREA
LIMIT OF PLAT (N.A.P.)
ADJACENT DWELLING
MET. ROOF
EXIST. CONCRETE SLAB TO BE REMOVED
EXIST. UTILITY POLE ANCHOR CABLE TO BE RELOCATED
EXIST. TEMPORARY METAL CONTAINER TO BE REMOVED
EXIST. CMU WALL TO REMAIN
0.5' CURB
TRACT A
FOLIO No.: 51-4226-220-011
PROPERTY ADDRESS:
4000 S OCEAN DR HOLLYWOOD
OWNER: MHI/CARLYLE SIAN OWNER I LLC
% MHI HOSPITALITY LP
INDIGO BEACH RESORT
PLAT (P.B.176, PG.168)
EXIST. UTILITY ROOM/ SLAB TO BE FULLY REMOVED
METAL COVERED TERRACE
EXIST. WOOD DECK AND TRELLIS TO BE FULLY REMOVED
EXIST. UTILITY POLE TO REMAIN
6' C.B.W.
ADJACENT ASPHALT PARKIN AREA
RAMP
PAVERS
CANVAS SHOP
N

1 DEMOLITION PLAN

1/8" = 1'-0"

A. DEMOLITION CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE WITH THE COMPLETE SCOPE OF SERVICES AND WORKING CONDITIONS AND REQUEST IN WRITING (RFI) ANY QUESTIONS OR COMMENTS PRIOR TO COMMENCING THE WORK.

B. ALL APPLICABLE PERMITS FROM GOVERNING AUTHORITIES SHALL BE ISSUED FOR PROJECT PRIOR TO ANY DEMOLITION WORK .

C. ALL UTILITIES SHALL BE TURNED OFF, DISCONNECTED, CAPPED OR REMOVED AS REQUIRED PRIOR TO ANY DEMOLITION WORK

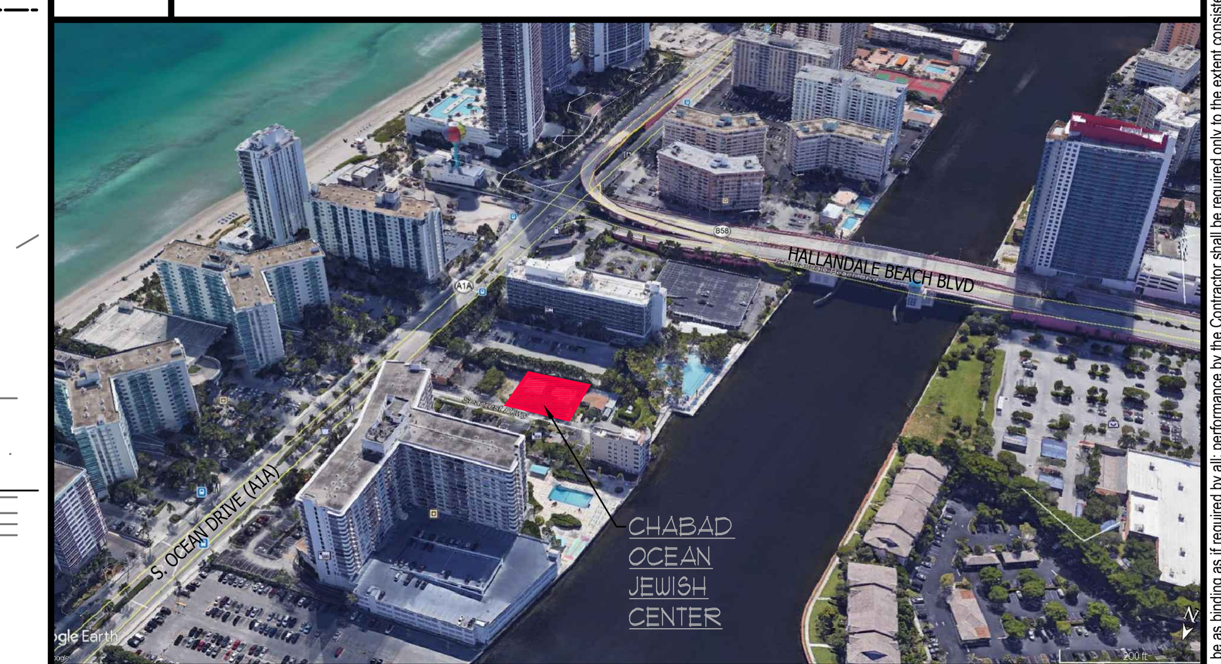
D. CONTRACTOR MUST THOROUGHLY REVIEW ASBESTOS ABETMENT REPORT AND FOLLOW IN STRICT ACCORDANCE ALL LAWS AND REGULATIONS FOR ENCAPSULATION, REMOVAL, BAGGING AND DISPOSAL METHOD.

E. PROVIDE SIGNAGE, BARRICADES, SUPPORT, POST SHORES, TEMPORARY PARTITIONS AS REQUIRED TO PROTECT SAFETY OF PERSONS AND ADJACENT STRUCTURES.

F. CONTRACTORS MUST REMOVE ALL DEBRIS ON A DAILY BASIS AND KEEP SITE CLEAN, ALL SWEPT AND PROTECTED AT ALL TIMES FROM INCLEMENT WEATHER.

G. ALL EXISTING PLUMBING FIXTURES AND FLOOR DRAINS SHALL BE DISCONNECTED, REMOVED, AND LINES CAPPED.

2 GENERAL DEMOLITION NOTES



3 LOCATION MAP

N.T.S.

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SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE

CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
HOLLYWOOD, FL 33019

SHEET TITLE

DEMOLITION PLAN
GENERAL DEMOLITION NOTES

REVISIONS

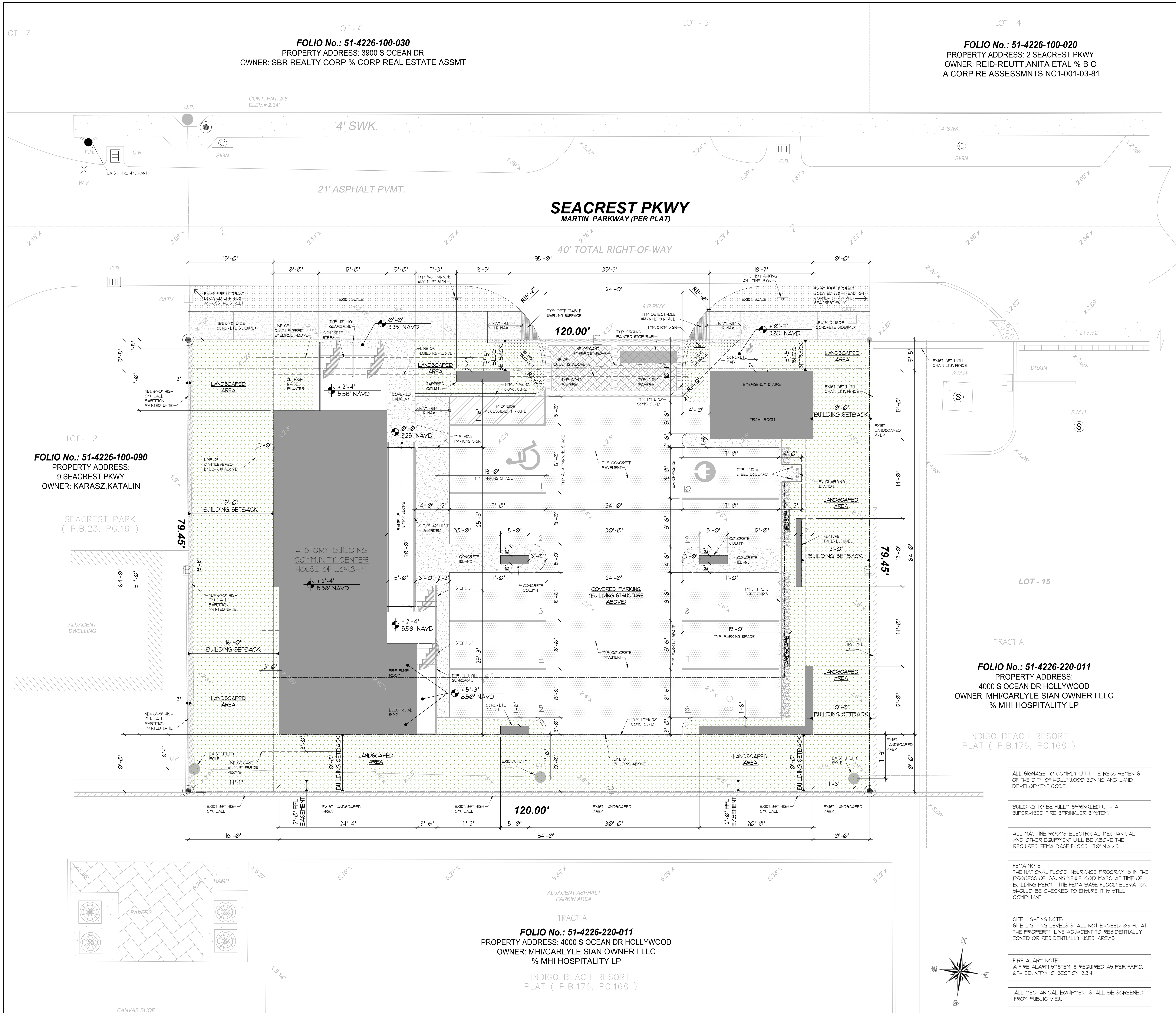
No.	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET

DE-1

12/21/2018 4:22:33 PM, 1:1



ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD ZONING AND LAND DEVELOPMENT CODE.

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

ALL MACHINE ROOMS, ELECTRICAL, MECHANICAL AND OTHER EQUIPMENT WILL BE ABOVE THE REQUIRED FEMA BASE FLOOD 7.0' 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.

1 NEW SITE PLAN
1/8" = 1'-0"

LEGAL DESCRIPTION:
LOT 13 AND 14, OF SEACREST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 23, PAGE 16, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (REFER TO ALTA SURVEY FOR FULL DESCRIPTION)

ADDRESS:
5- 7 SEACREST PKWY
HOLLYWOOD, FL 33019

FOLIO NUMBER:
514226100100 - 514226100110

PROPERTY OWNER:
CHABAD OCEAN DRIVE SYNAGOGUE, INC,

JURISDICTION:
CITY OF HOLLYWOOD
BROWARD COUNTY
STATE OF FLORIDA

I. SITE DATA:
1. ZONING: RM-25
2. EXISTING LAND USE: MHRES - MEDIUM HIGH RESIDENTIAL
3. PROPOSED USE: * PLACE OF WORSHIP
4. FEMA - FLOOD ZONE INFO:
   - JURISDICTION: CITY OF HOLLYWOOD - 125113
   - FLOOD MAP: 12011C0751H - 08/14/2014
   - ZONE: AE
   - BASE FLOOD ELEVATION: 7.0' NAVD
5. GROSS LOT AREA: 9,534 S.F. (0.22 ACRES)
6. F.A.R. : ---------- 5,883 S.F. (62%)

7. SETBACKS	REQUIRED	PROVIDED
FRONT	25'-0"	* 5'-5"
REAR	20'-0"	* 10'-0"
SIDE (WEST)	15'-0"	15'-0"
SIDE (EAST)	15'-0"	* 10'-0"

8. HEIGHT	ALLOWED	PROVIDED
(T.O. ROOF STRUCTURE)	65'-0"	49'-0"

9. PARKING	REQUIRED	PROVIDED
PLACE OF WORSHIP - 1/60 S.F. (KIDDUSH ROOM)	2,025 S.F. / 60= 34	
OFFICES - 1/250 S.F.	454 S.F. / 250= 2	
TOTAL	36 SPACES	* 10 SPACES (INCL. 1 ADA)

10. PERVIOUS AREAS	ALLOWED	PROVIDED
LANDSCAPED	40% (3,814 S.F.)	3,850 S.F. (40%)
GROUND FLOOR		3,487 S.F.
ROOF PLANTER		363 S.F.
* HARDSCAPED (PARKING OVERHANG)		(60 S.F.)

11. IMPERVIOUS AREAS
   - BUILDING FOOTPRINT ---------- 2,035 S.F.
   - SITE WALL ---------- 53 S.F.
   - CONC. SIDEWALKS + CURBING ---------- 641 S.F.
   - CONC. PAVEMENT ---------- 3,069 S.F.
   - CONC. PAVERS ---------- 243 S.F.
   - TOTAL ---------- 6,041 S.F. (63%)

* VARIANCES REQUESTED:
- FRONT, EAST AND REAR SETBACKS
- PARKING
- SIGNAGE (SECONDARY SIGN)

* SPECIAL EXCEPTIONS REQUESTED:
PLACE OF WORSHIP ON RESIDENTIAL DISTRICT

II. BUILDING DATA:

A. GROSS AREAS:
NOTE: BUILDING AREAS PROVIDED AS GROSS SQUARE FEET (G.S.F.) MEASURED TO THE OUTSIDE FACE OF EXTERIOR WALLS.

1. BUILDING AREA (GROSS)
   - GROUND ---------- 2,035 G.S.F.
   - SECOND ---------- 5,825 G.S.F.
   - THIRD ---------- 5,844 G.S.F.
   - FOURTH ---------- 5,887 G.S.F.
   - TOTAL ---------- 19,591 G.S.F.

B. NET AREAS:
NOTE: NET AREAS PROVIDED AS NET SQUARE FOOTAGE (N.S.F.) MEASURED TO THE INSIDE FACE OF FINISHED WALLS.

LOCATION	SPACE	AREA AC	AREA NON AC	TOTAL AREA AC	TOTAL AREA NON AC
1ST FLOOR	FOYER	100		922	291
	GALLERY	505			
	ELECTRICAL ROOM		23		
	FIRE PUMP ROOM		42		
	TRASH ROOM		91		
	ELEVATOR		66		
	STAIRWELLS	317	69		
2ND FLOOR	SANCTUARY	1,571		5,139	254
	LIBRARY	1,016			
	OFFICES	454			
	PLAYROOM	418			
	STORAGE/JANITOR	245			
	CORRIDORS	718			
	RESTROOMS	400			
	ELEVATOR		66		
	STAIRWELLS	317	188		
3RD FLOOR	KIDDUSH ROOM	2,025		4,280	254
	KITCHEN	682			
	STORAGE	188			
	RESTROOMS	325			
	ELEVATOR		66		
	STAIRWELLS	317	188		
	CORRIDORS	743			
4TH FLOOR	CLASSROOMS	1,055		1,888	2,680
	BRIDE ROOM	177			
	TERRACE		2,407		
	STORAGE/JANITOR	58	19		
	RESTROOMS	281			
	ELEVATOR		66		
	STAIRWELLS	317	188		
TOTAL NET AREAS				12,229	3,479

C. OCCUPANT LOADS:
NOTE: GROSS AREAS ARE MEASURED TO THE OUTSIDE FACE OF EXTERIOR WALLS AND CENTER LINE OF DEMISING WALLS. NET AREAS ARE MEASURED TO THE INSIDE FACE OF FINISHED WALLS.

1. GROUND FLOOR
   - GALLERY ------- ASSEMBLY @ 30 NET ____ 505 S.F. ____ 17 PERSONS
2. SECOND FLOOR
   - LIBRARY ------- READING ROOM @ 50 NET ____ 1,016 S.F. ____ 20 PERSONS
   - OFFICES -------- BUSINESS @ 100 GROSS ____ 498 S.F. ____ 5 PERSONS
   - PLAYROOM ----- DAYCARE @ 35 NET ____ 418 S.F. ____ 12 PERSONS
   - SANCTUARY ----- ASSEMBLY (C) @ 7 NET ____ 1,571 S.F. ____ 224 PERSONS
   - JANITOR ------- ACCESORY @ 300 GROSS ____ 279 S.F. ____ 1 PERSONS
   - SUBTOTAL ---------- 262 PERSONS
3. THIRD FLOOR
   - KIDDUSH ROOM-- ASSEMBLY (U) @ 15 NET ____ 2,025 S.F. ____ 135 PERSONS
   - KITCHEN -------- KITCHEN @ 200 GROSS ____ 728 S.F. ____ 4 PERSONS
   - STORAGE ------- ACCESORY @ 300 GROSS ____ 219 S.F. ____ 1 PERSONS
   - SUBTOTAL ---------- 140 PERSONS
4. FOURTH FLOOR
   - BRIDE ROOM --- RESIDENTIAL @ 200 GROSS ____ 195 S.F. ____ 1 PERSONS
   - CLASSROOMS --- EDUCATIONAL @ 20 NET ____ 1,055 S.F. ____ 53 PERSONS
   - JANITOR -------- ACCESORY @ 300 GROSS ____ 97 S.F. ____ 1 PERSONS
   - TERRACE ------- ASSEMBLY (U) @ 7 NET ____ 1,991 S.F. ____ 284 PERSONS
   - SUBTOTAL ---------- 339 PERSONS
   - TOTAL ____ * 758 PERSONS

* NOTE: ASSEMBLY ROOMS SHALL BE USED INDEPENDENTLY AND NEVER AT THE SAME TIME.

2 PROJECT DATA

Kaller Architecture
AA# 26001212
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954.920.5746
joseph@kallerarchitects.com
www.kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
HOLLYWOOD, FL 33019

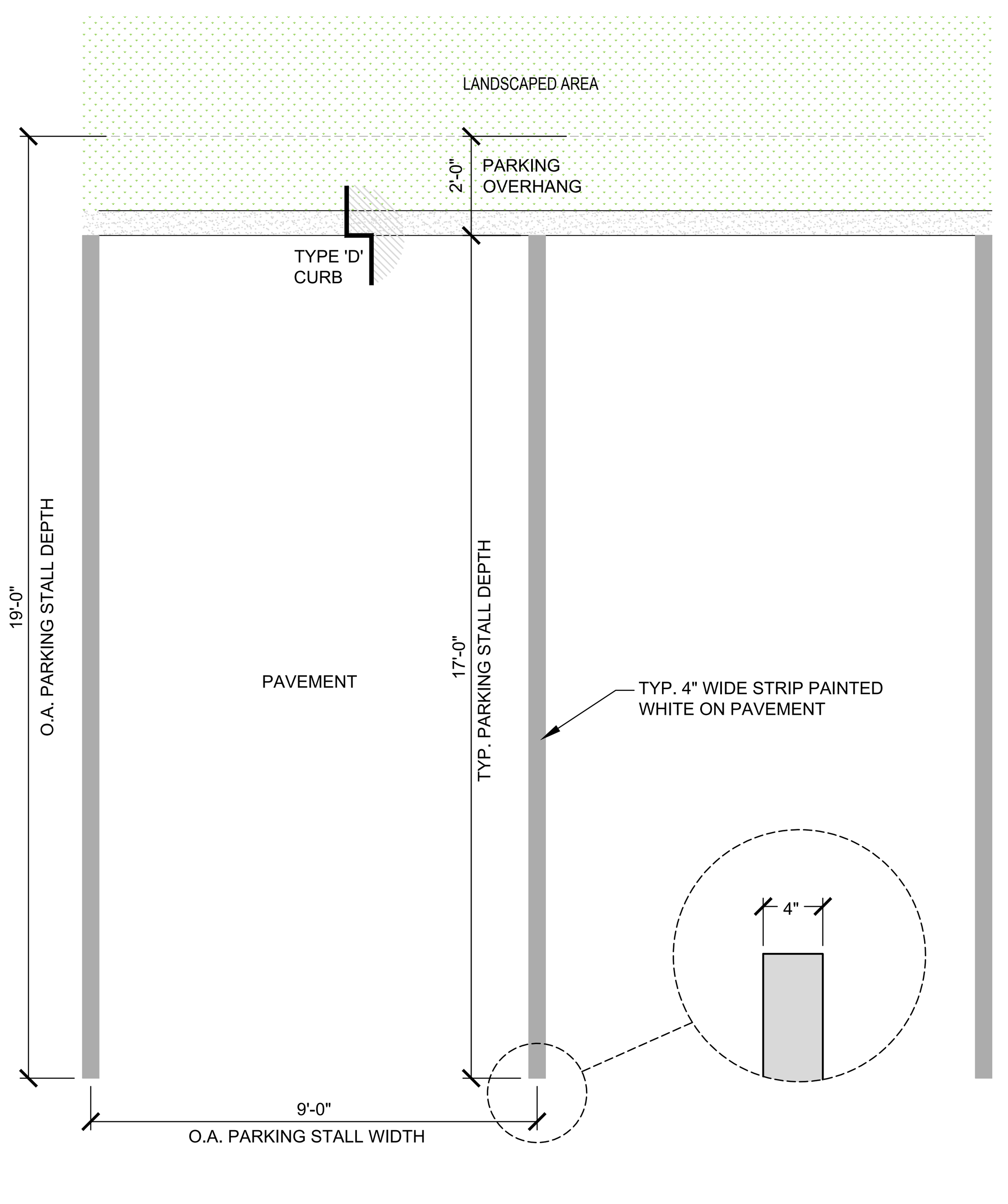
SHEET TITLE
NEW SITE PLAN
PROJECT DATA

REVISIONS

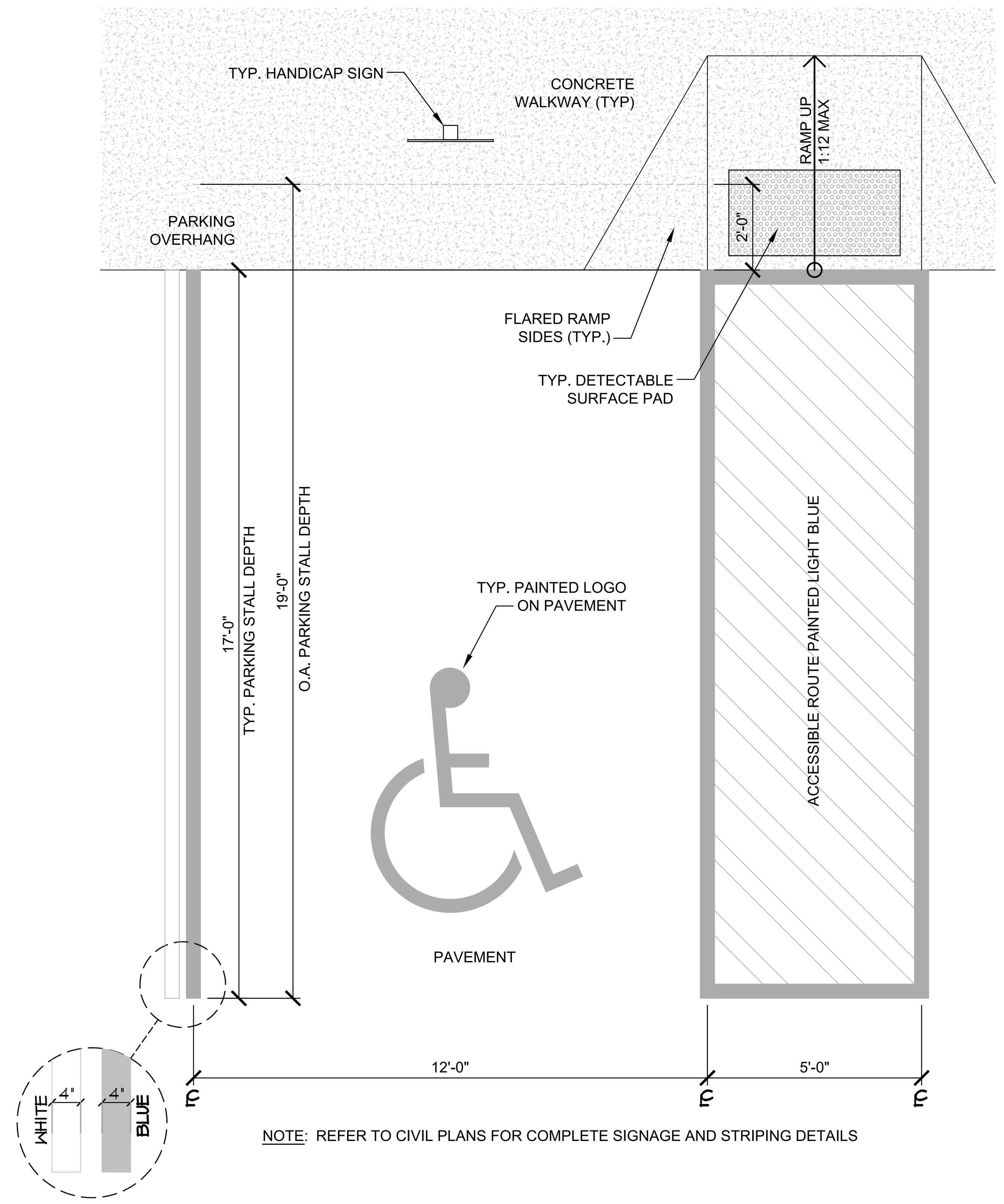
No.	DATE	DESCRIPTION

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET
SP-1



1 TYP. PARKING STALL
N.T.S.



NOTE: REFER TO CIVIL PLANS FOR COMPLETE SIGNAGE AND STRIPING DETAILS

ADA PARKING STANDARDS

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 2017

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 FOLOWING 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 2017 ACCESSIBILITY CODE.

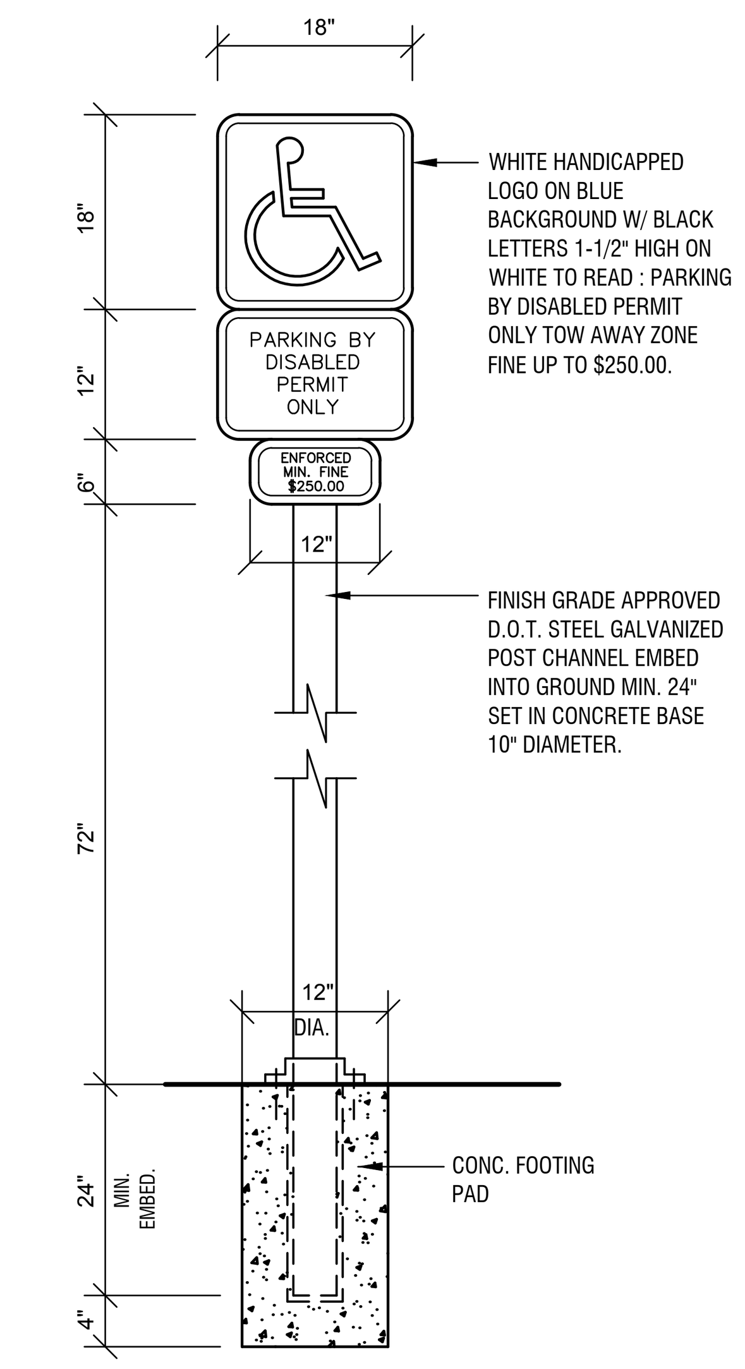
EDGE PROTECTION -

RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OF 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.

2 TYP. HANDICAP PARKING STANDARDS
N.T.S.

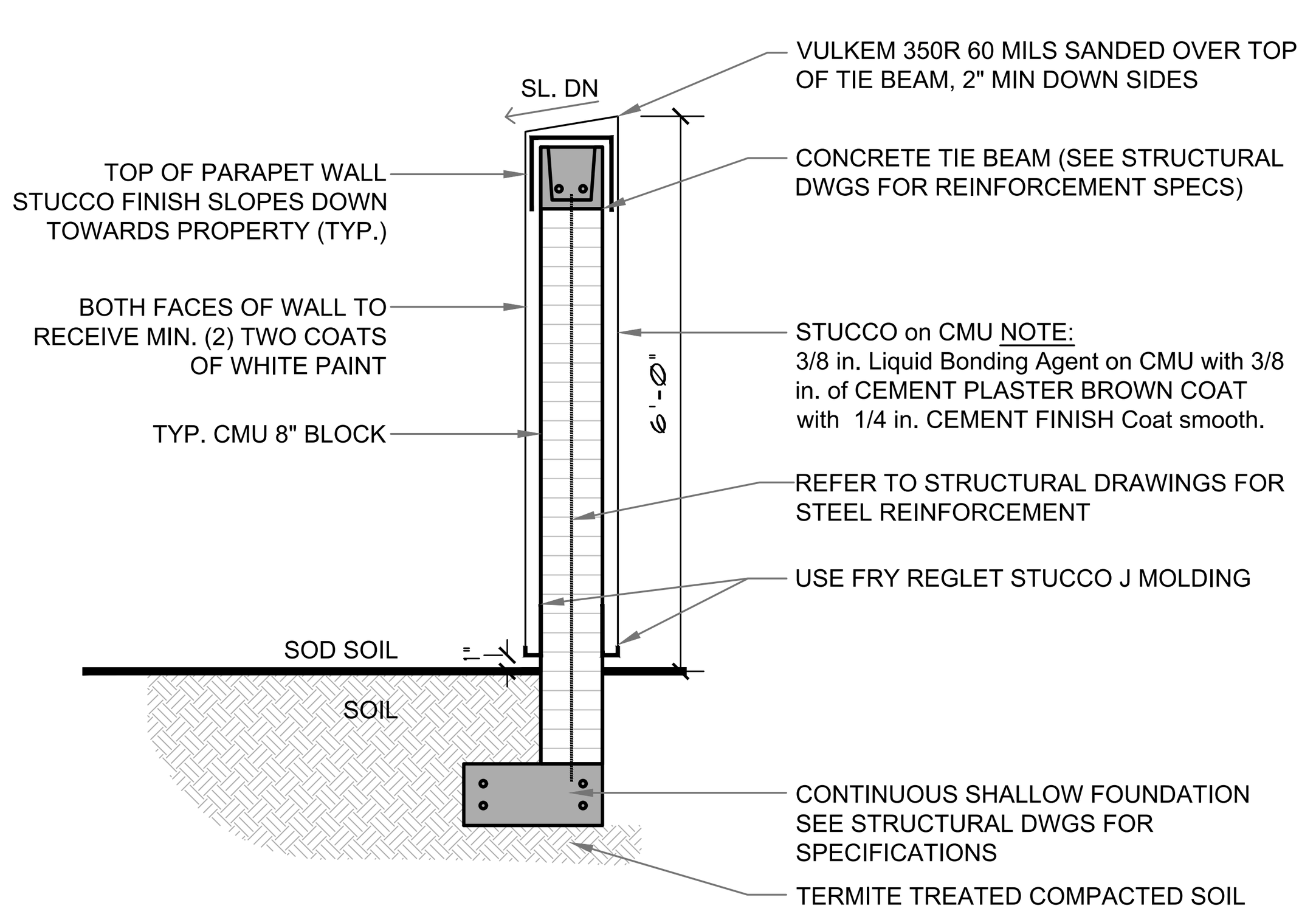


NOTES:

1. HANDICAPPED SIGN SHALL BE OF F.D.O.T. (BLUE) COLOR.
2. PAVEMENT BORDER LINES (ONE ON EACH SIDE) OF THE HANDICAPPED SPACE WILL BE OF A BLUE COLOR OF A QUALITY EQUIVALENT TO SUPER STRIPE TRAFFIC PAINT SOLD BY FOX VALLEY SYSTEMS, INC. OF CARY, ILLINOIS, PHONE 1-800-323-4770. SHALL BE STRIPED ON THE WEARING SURFACE OF EACH SPACE DESIGNED FOR THE HANDICAP PARKING SPACE.
3. ALL LETTERS IN MIDDLE PORTION OF SIGN ARE 1.5" SERIES AT 1.5" SPACING.
4. ALL LETTERS IN BOTTOM PORTION OF SIGN ARE 1" SERIES AT 1" SPACING.
5. MINIMUM FINE SHALL BE $250.00 OR AS ESTABLISHED BY GOVERNING MUNICIPALITY.

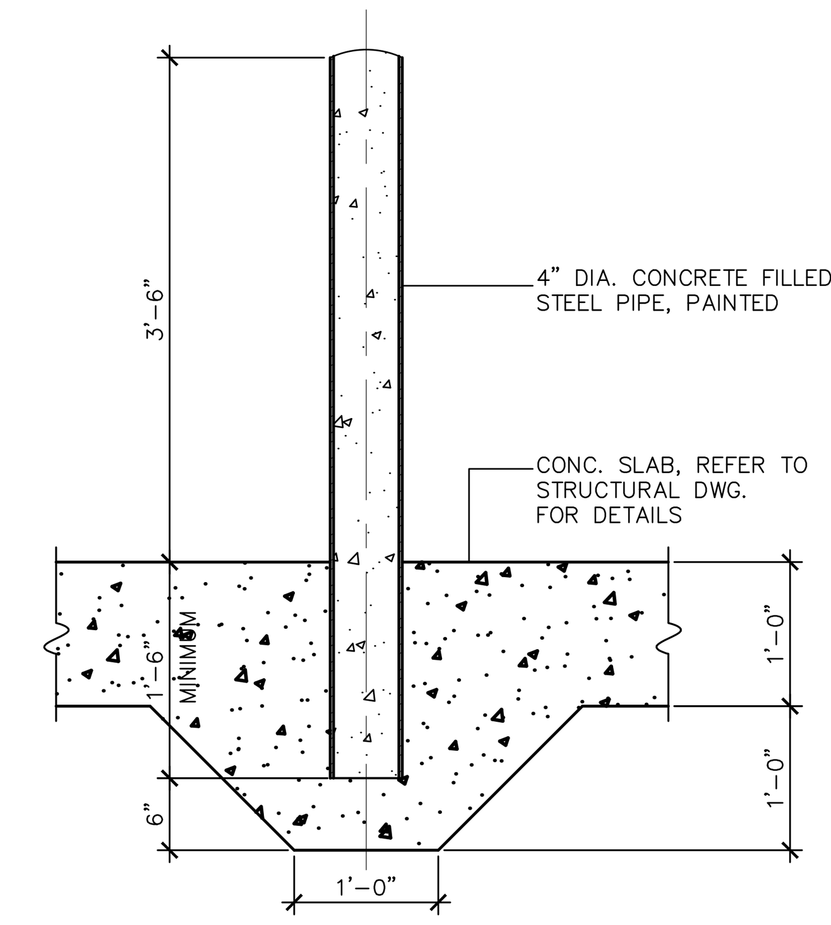
EACH ACCESIBLE PARKING SPACE MUST BE PROMINENTLY OUTLINED WITH BLUE PAINT AND REPAINTED AS NECESSARY TO BE CLEARLY DISTINGUISHABLE AND MUST BE POSTED WITH A PERMANENT ABOVE GRADE SIGN BEARING INTERNATIONAL SYMBOL OF ACCESSIBILITY MEETING COLORS AND DESIGNS APPROVED BY THE DEPARTMENT OF TRANSPORTATION CAPTIONED "PARKING BY DISABLED PERMIT ONLY" AND COMPLYING WITH THE GOVERNING MUNICIPALITY IN WHICH PROJECT IS LOCATED AND MEETING FLORIDA A.D.A. COMPLIANCE STANDARD AS MINIMUM.

3 TYP. HANDICAP PARKING SIGN
N.T.S.

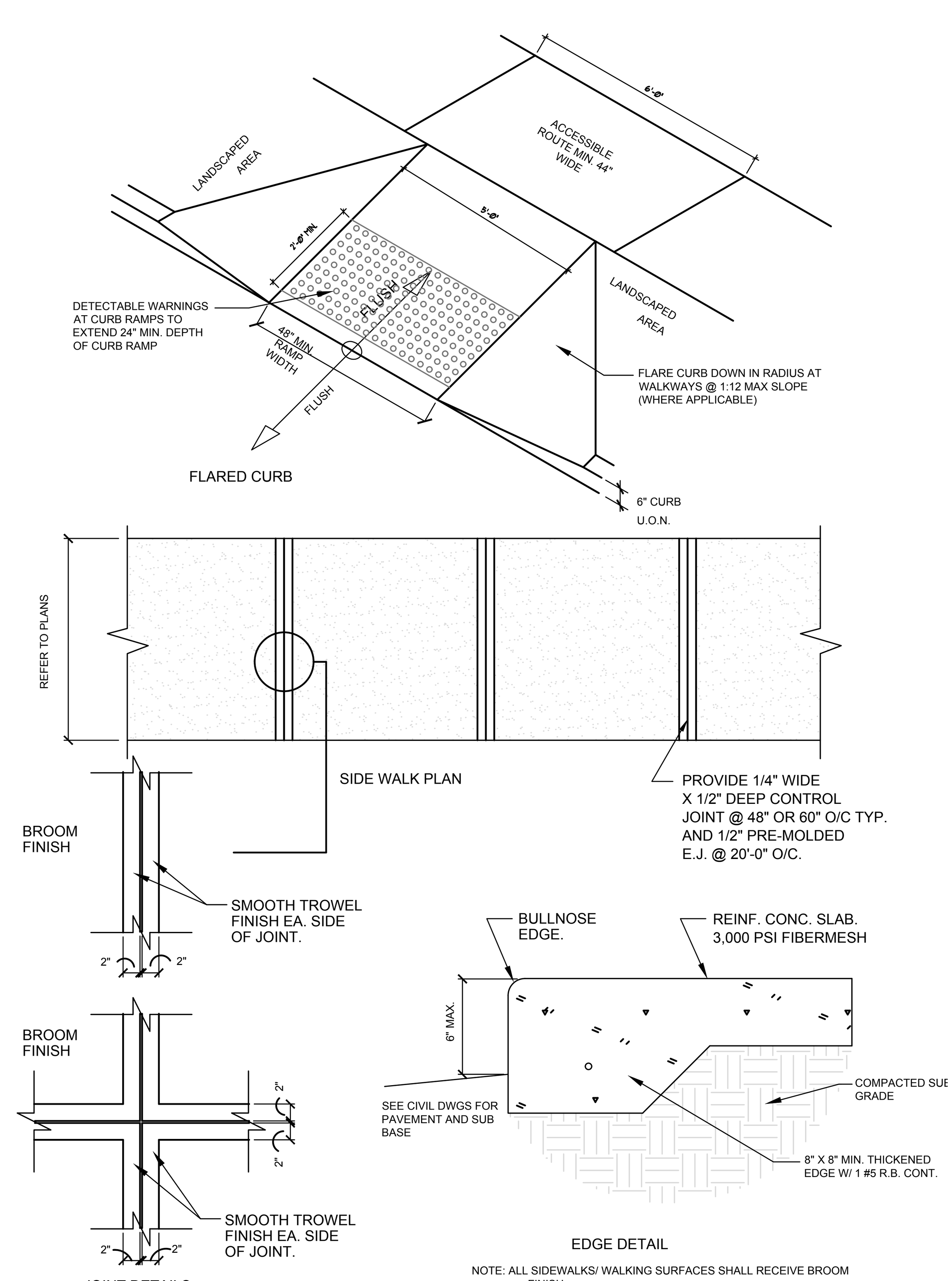


SECTION

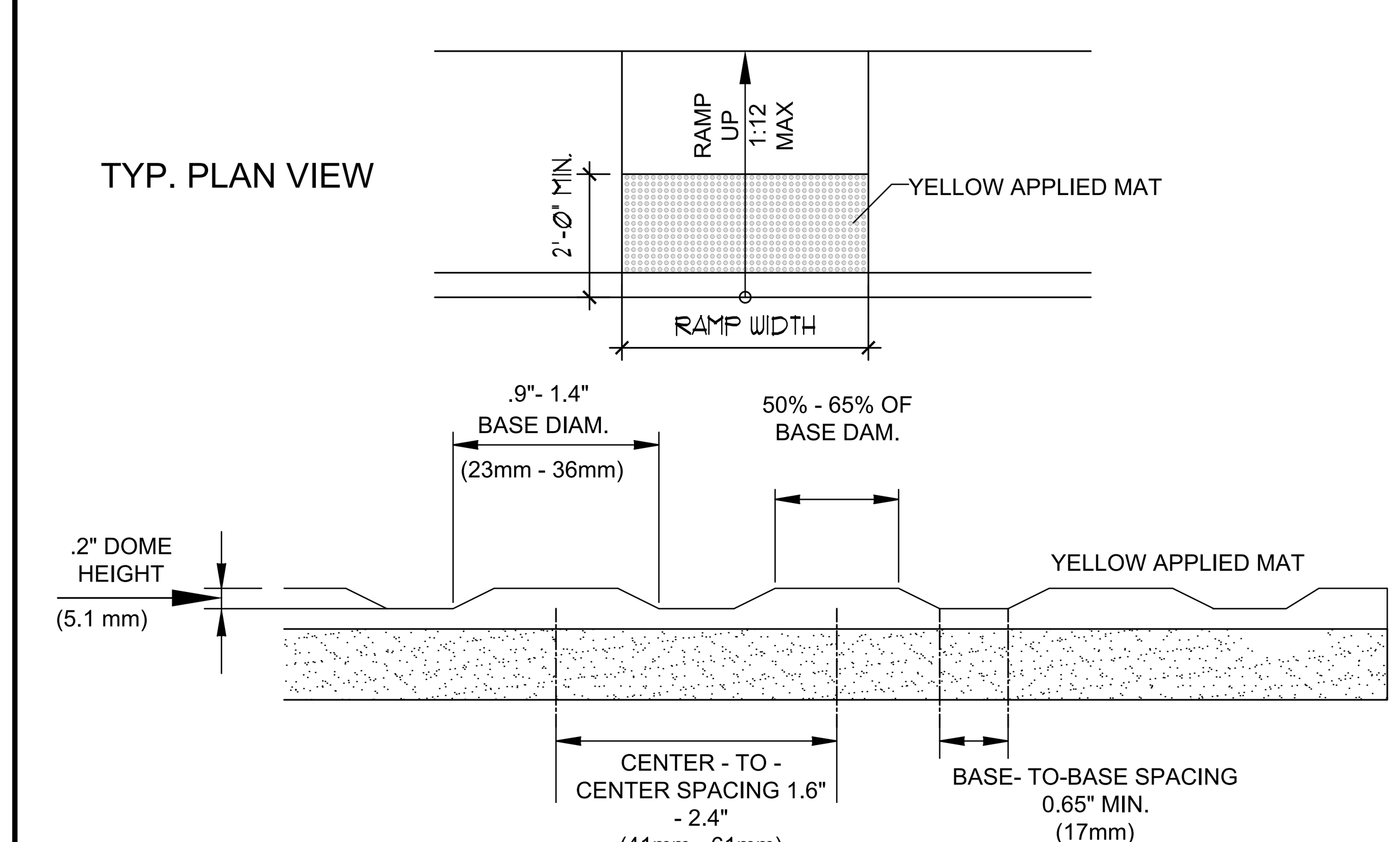
3 TYP. RESIDENTIAL SIDE DEMISING WALL SECTION
N.T.S.



4 TYP. BOLLARD GUARD DETAIL
N.T.S.



5 TYP. SIDEWALK DETAILS
N.T.S.



- DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
- DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24 INCHES (610 mm) WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM.
- CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH FBC 705. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24 INCHES (610mm) DEEP MINIMUM; MEASURE FROM THE BACK OF THE CURB ON THE RAMP SURFACE.
- DETECTABLE WARNING AT CURB RAMPS SUBJECT TO D.O.T REGULATION 49 CFR 37.21
- ALL RAMPS SHALL RECEIVE A DETECTABLE TREATMENT.
- CURB RAMPS SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.
- NO CURB RAMP MAY EXIST WITHIN ANY DISABLED PARKING STALL OR AISLE.
- MAXIMUM SLOPE OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.
- THE MAXIMUM SLOPE OF ANY RAMP SHALL NOT EXCEED 1:12 AND WIDTH 48" MINIMUM.

6 TYP. DETECTABLE SURFACE DETAIL
N.T.S.

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SEAL

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PROJECT TITLE
CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
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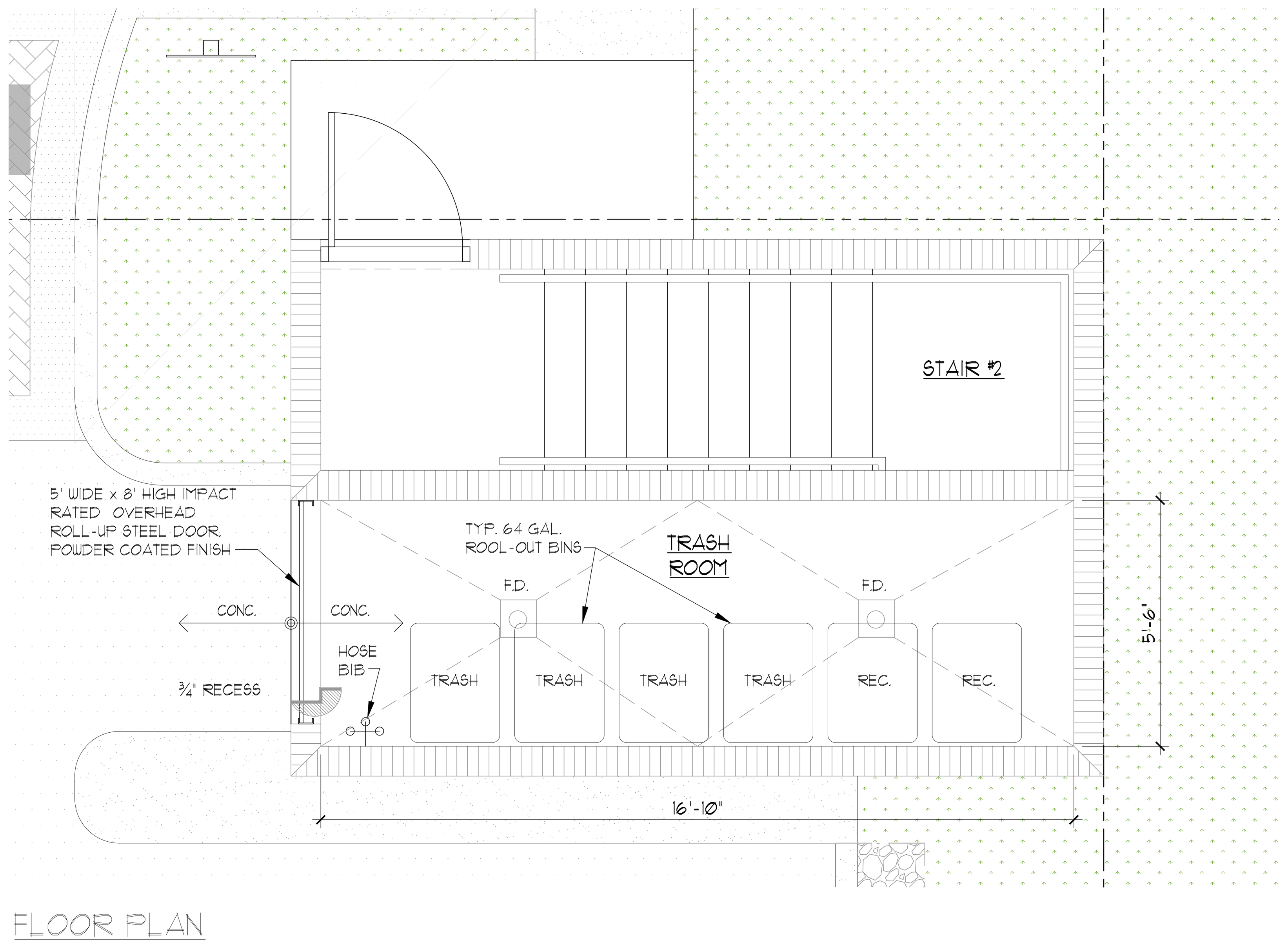
SHEET TITLE
TYP. SITE DETAILS

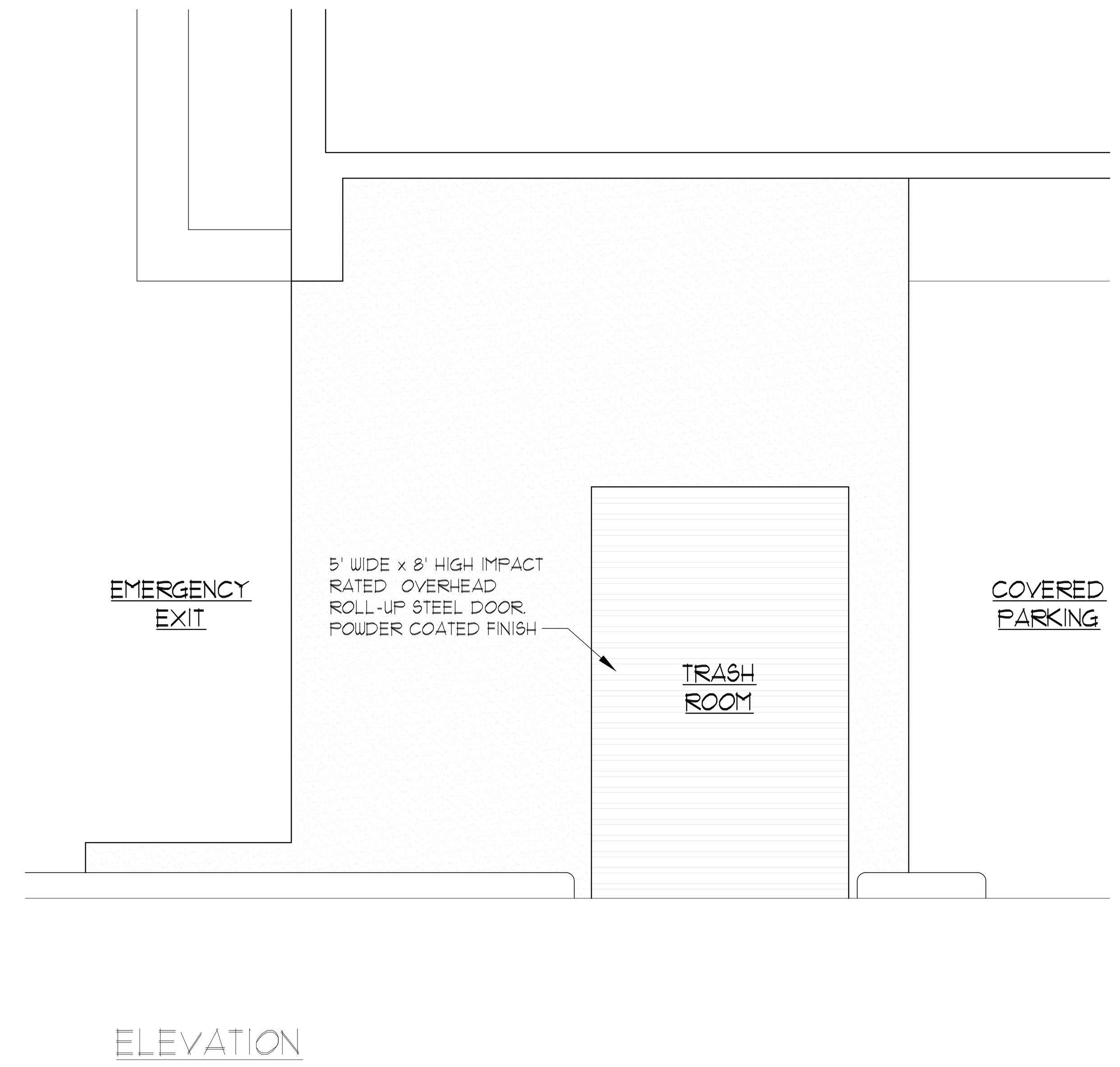
REVISIONS

No.	DATE	DESCRIPTION
-	-	-

PROJECT No.:	18067
DATE:	12/21/2018
DRAWN BY:	JP
CHECKED BY:	JBK

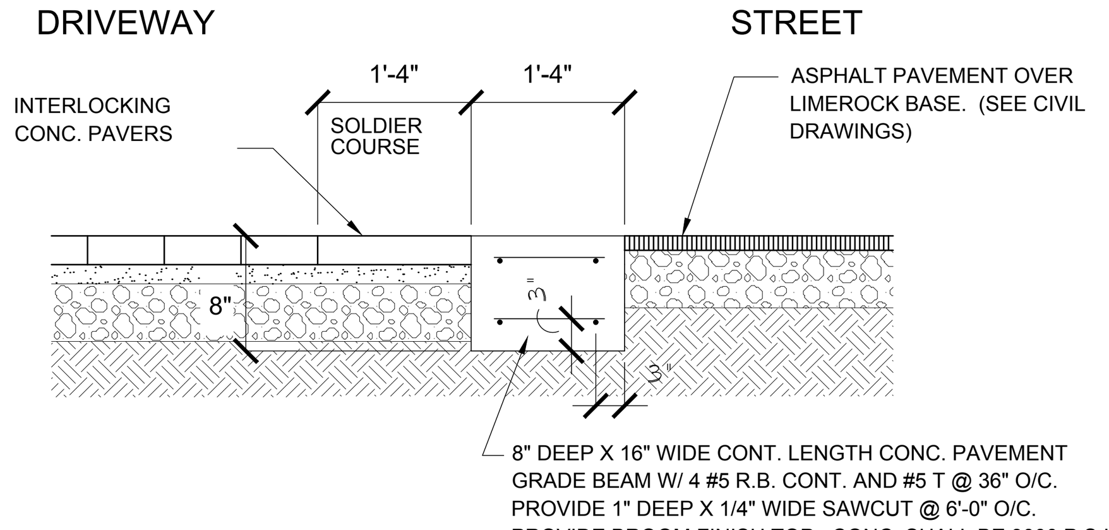
SHEET
SP-2



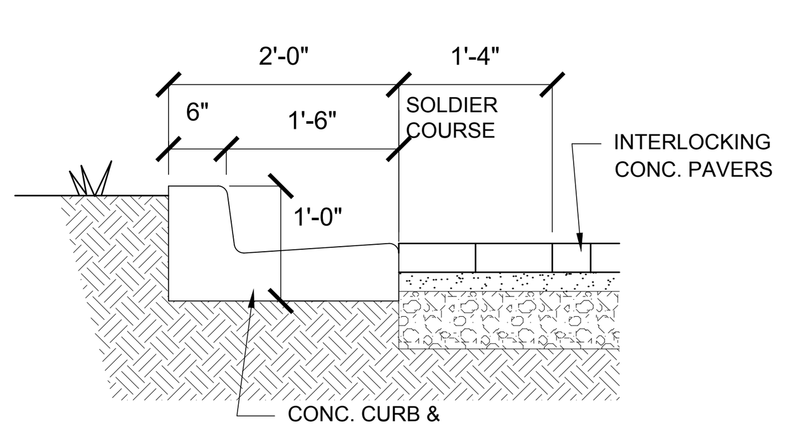


1 TRASH ROOM DETAILS

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


DRIVEWAY
STREET
INTERLOCKING CONC. PAVERS
SOLDIER COURSE
1'-4"
ASPHALT PAVEMENT OVER LIMEROCK BASE. (SEE CIVIL DRAWINGS)
8"
8" DEEP X 16" WIDE CONT. LENGTH CONC. PAVEMENT GRADE BEAM W/ 4 #5 R.B. CONT. AND #5 T @ 36" O/C. PROVIDE 1" DEEP X 1/4" WIDE SAWCUT @ 6'-0" O/C. PROVIDE BROOM FINISH TOP. CONC. SHALL BE 3000 P.S.I.

PAVER/ ASPHALT ABUTMENT DETAIL



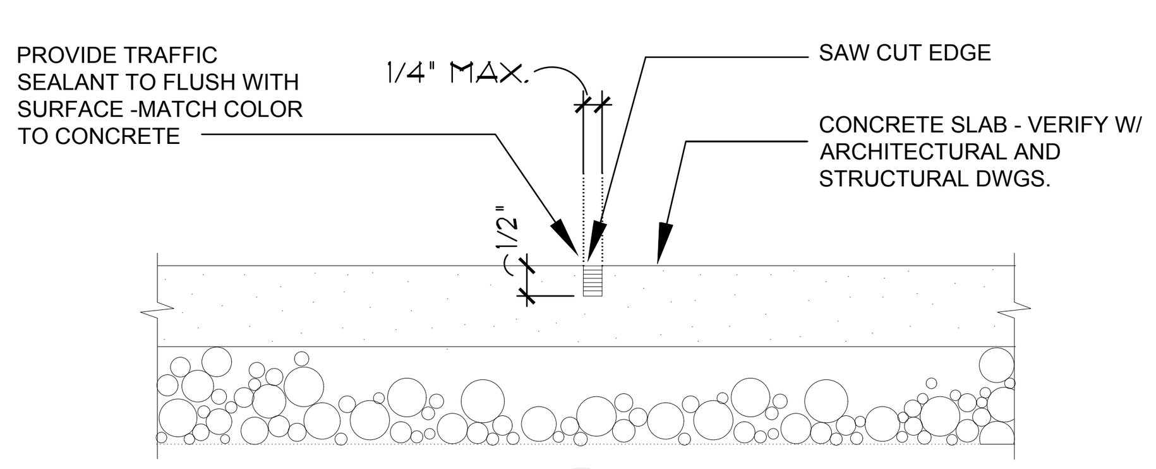
PAVER/ GUTTER DETAIL

PAVER GENERAL NOTES

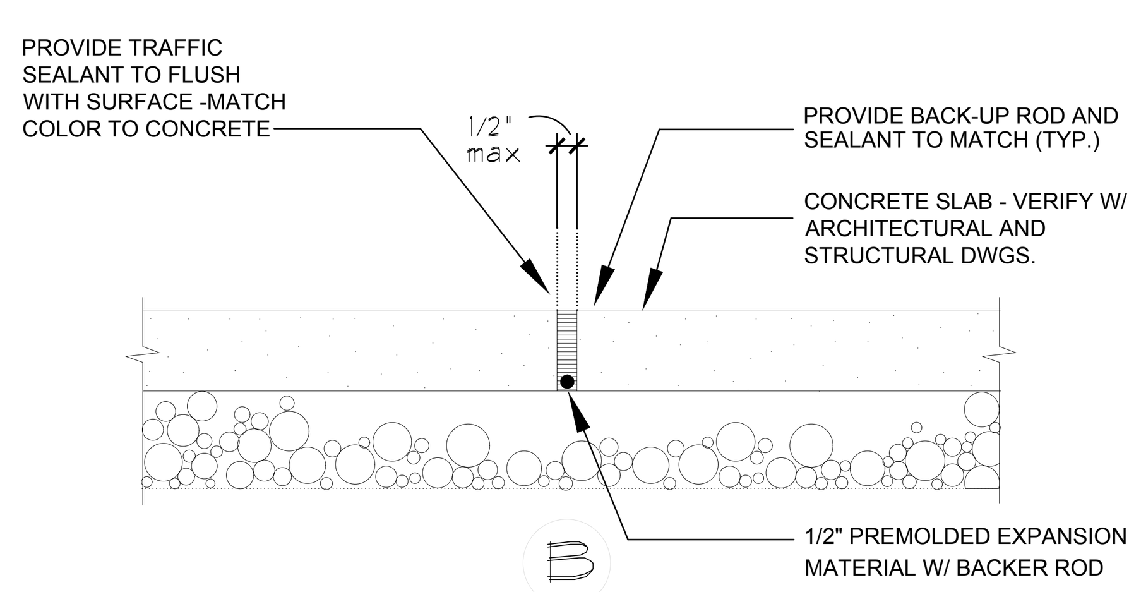
1. ALL PAVERS SHALL BE AS MANUF. BY PAVER MODULE HIGH TRAFFIC CONC. PSI STRENGTH OR APPROVED EQUAL.
2. ALL PERIMETER EDGES SOLDIER COURSE SHALL BE DOUBLE 4 X 8 PAVER 16" WIDE.
3. PAVER STYLE, COLOR AND PATTERN SHALL BE 4" X 8" GREY MIX COLOR "BROWN COLOR MIX" AND SHALL BE SET IN RUNNING BOND PATTERN. SUBMIT SAMPLES FOR APPROVAL PRIOR TO MANUFACTURING OR INSTALLING.
4. NO JOINT SHALL EXCEED 1/8"
5. ALL PAVERS SHALL BE SET OVER LEVELING SCREED SAND 2" THICK MAX.
6. ALL PAVERS SHALL BE SET OVER A MINIMUM OF 8" THICK CRUSHED AND MACHINE COMPACTED D.O.T. APPROVED LIMEROCK BASE.
7. ALL AREAS TO RECEIVE PAVER SHALL BE CUT DOWN MINUMUM 13" AND CLEARED OF DELETRIOUS MATERIALS.

2 TYP. PAVERS' DETAILS

N.T.S.



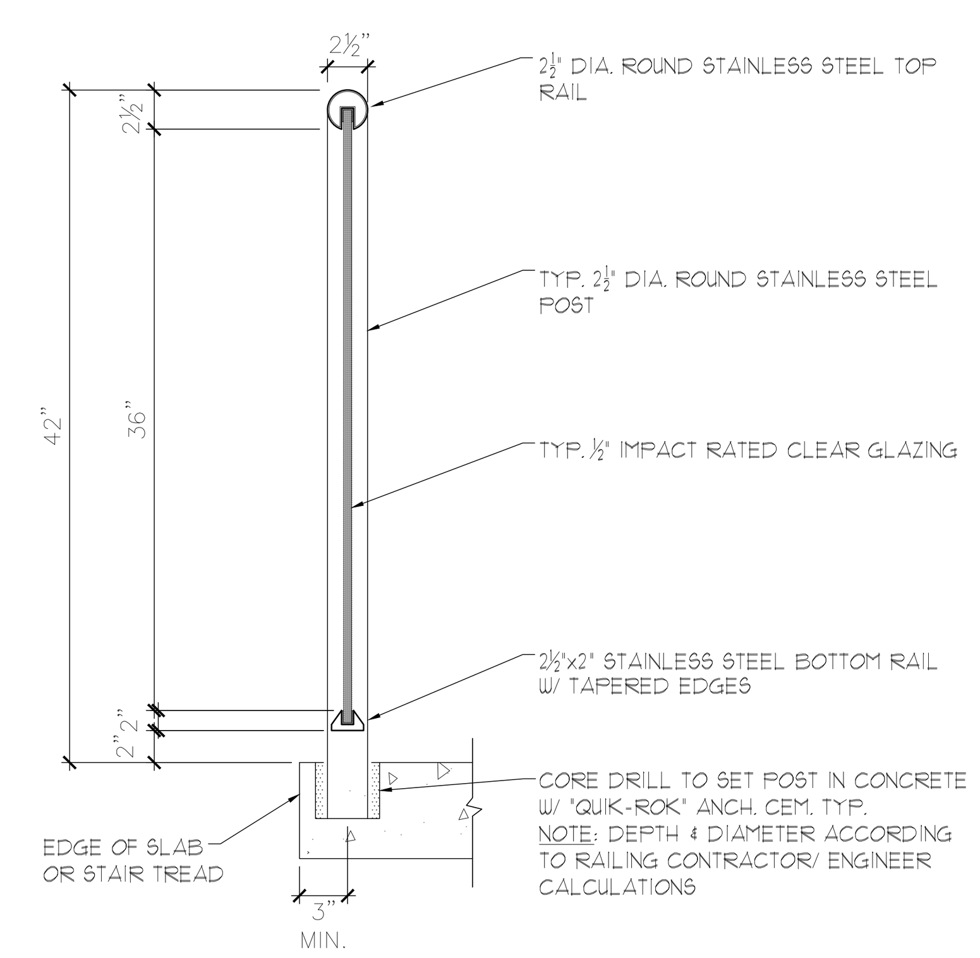
A
CONTROL JOINT
at unreinforced slab



B
EXPANSION JOINT
at unreinforced slab

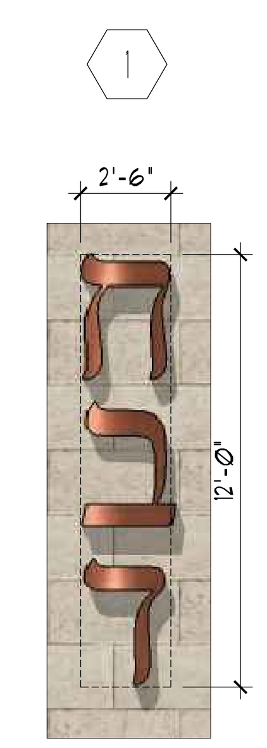
3 TYP. CONCRETE SLAB JOINTS

N.T.S.



4 TYP. GUARDRAIL DETAIL

N.T.S.

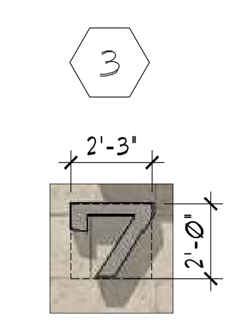


SIGN #1 - 30 S.F. AREA

WALL MOUNTED REVERSE LIT SIGN IN ANODIZED COPPER FINISH, W/ 3 HEBREW CHARACTERS, EACH ONE TO BE 30"X42" IN SIZE, 6" IN DEPTH AND 9" VERTICAL SPACING IN BETWEEN CHARACTERS.

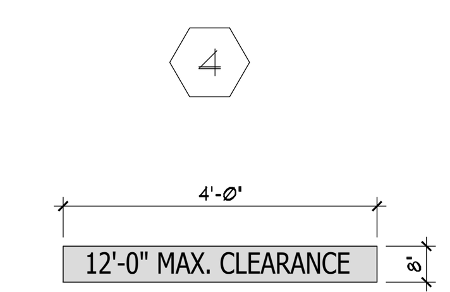
SIGN #2 - 56 S.F. AREA

WALL MOUNTED REVERSE LIT SIGN TO READ "CHABAD OCEAN", EACH LETTER TO BE 18" IN HEIGHT, 4" IN DEPTH, ALL CAPITAL LETTERS IN COOPERPLATE GOTHIC LIGHT FONT, ANODIZED COPPER FINISH. VERTICALLY OFFSET 6" SHALL BE THE 10'-6" WIDE, WALL MOUNTED SIGN TO READ "JEWISH CENTER", EACH LETTER TO BE 9" IN HEIGHT, 2" IN DEPTH, ALL CAPITAL LETTERS IN COOPERPLATE GOTHIC LIGHT FONT IN ANODIZED ALUMINUM MILL FINISH.



BUILDING ADDRESS - 5 S.F. AREA

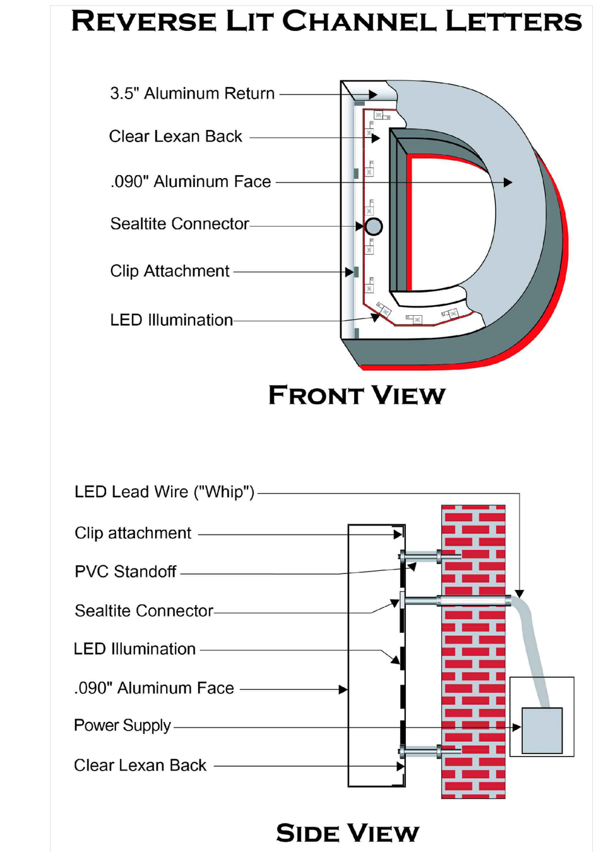
WALL MOUNTED BUILDING ADDRESS NUMBER "7" CHARACTER, 24" HIGH, 4" DEPTH, BANKGOTHIC MD BT FONT IN ANODIZED ALUMINUM MILL FINISH.



HEIGHT CLEARANCE - 3 S.F. AREA

"12'-0" MAX. CLEARANCE HEIGHT" - WHITE PLEXY-GLASS SIGN W/ 6" HIGH BLACK HELVETICA FONT ABOVE DRIVE-THRU.

REVERSE LIT CHANNEL LETTERS


3.5" Aluminum Return
Clear Lexan Back
.090" Aluminum Face
Sealtite Connector
Clip Attachment
LED Illumination
FRONT VIEW
LED Lead Wire ("Whip")
Clip attachment
PVC Standoff
Sealtite Connector
LED Illumination
.090" Aluminum Face
Power Supply
Clear Lexan Back
SIDE VIEW

ALL SIGNAGE TO BE LED BACK LIT PIN MOUNTED CHANNEL LETTERS

ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD ZONING AND LAND DEVELOPMENT CODE.

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

5 BUILDING SIGNAGE DETAILS

KA
Kaller Architecture
AA# 26001212
2417 Hollywood Blvd.
Hollywood Florida 33020
954.920.5746
joseph@kallerarchitects.com
www.kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
HOLLYWOOD, FL 33019

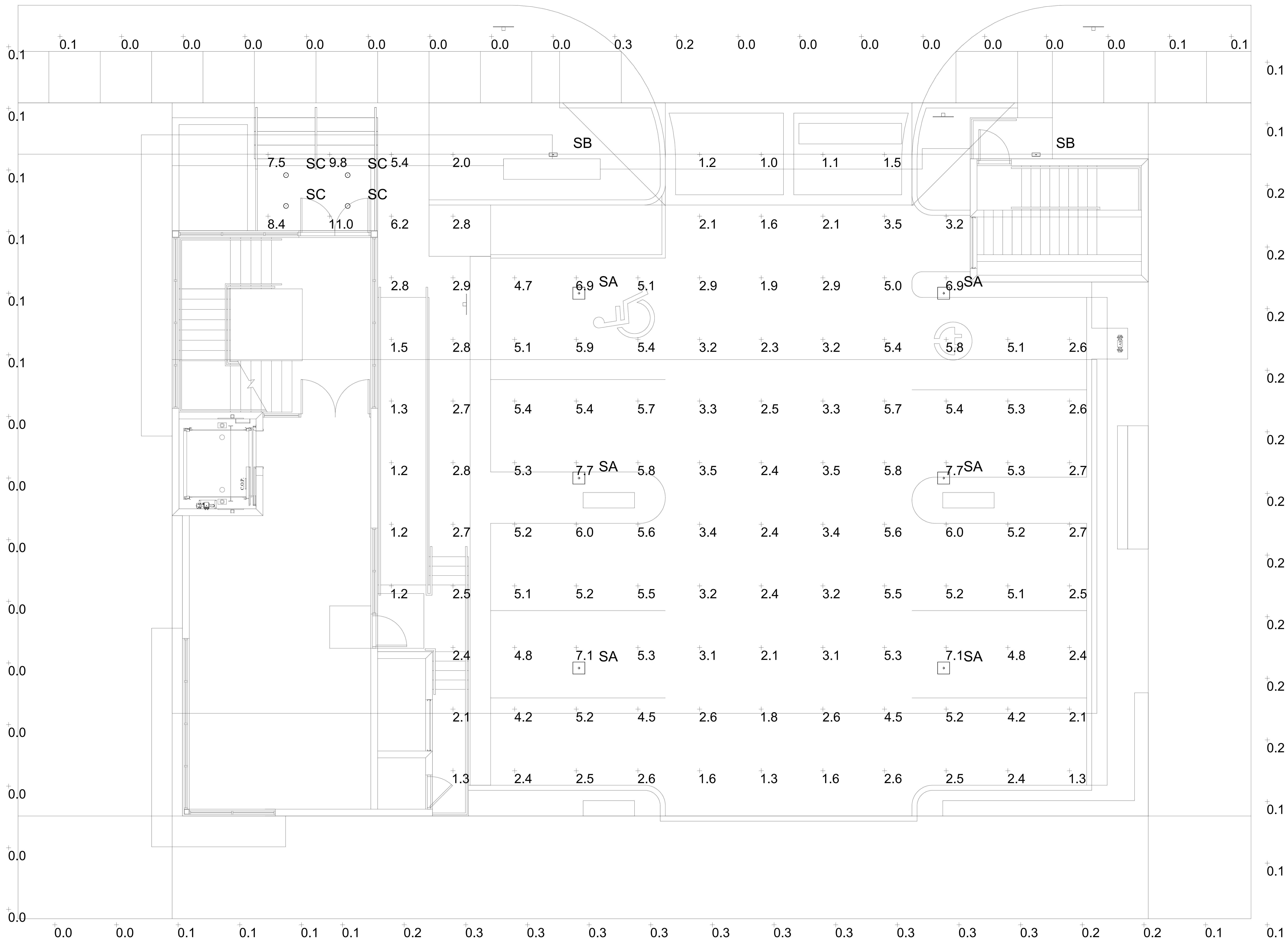
SHEET TITLE
BUILDING SIGNAGE DETAILS

REVISIONS

No.	DATE	DESCRIPTION

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET
SP-3



Luminaire Schedule

Symbol	Qty	Label	Description	LLF	Lum. Lumens
	6	SA	CREE LTG#: IG-NM-5S-A-40K-UL-WH / MTD AT 9' AFG	0.900	3910
	2	SB	LIGHTWAY #: BUXW-9-LED-10W-4K / WALL MTD AT 7' AFF	0.900	1180
	4	SC	ATLANTIC LTG#: LED6-SYL11-4K-6LED-FR-CL-DBGS / MTD AT 9' AFF	0.900	814

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AREAS	Illuminance	Fc	3.95	7.7	1.0	3.95	7.70
PROPERTY LINES	Illuminance	Fc	0.11	0.3	0.0	N.A.	N.A.
WALKWAY AREAS	Illuminance	Fc	3.67	11.0	1.2	3.06	9.17

1 SITE PHOTOMETRICS PLAN
3/16" = 1'-0"

Kaller Architecture
AA# 26001212
2417 Hollywood Blvd.
Hollywood Florida 33020
954.920.5746
joseph@kallerarchitects.com
www.kallerarchitects.com

SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
HOLLYWOOD, FL 33019

SHEET TITLE
SITE PHOTOMETRICS PLAN

REVISIONS

No.	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET
SL-1

12/21/2018 4:24:54 PM, 1:1

JOB: 7 SEACREST SYNAGOGUE TYPE: SA IG-A-NM-5S-A-40K-UK-WH-XX

IG Series

LED Parking Garage Luminaire

Product Description

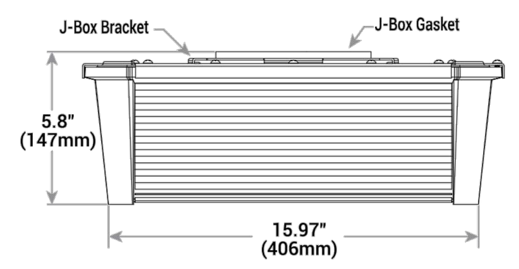
Cree innovates again to reset the performance benchmark in parking garage applications with the IG Series featuring WaveMax™ Technology, our innovative optical waveguide platform. Available in 33 watt and 65 watt, two lumen packages are offered to satisfy IESNA RP20-14 Basic and IESNA Security Zone G-1-03 requirements for environments seeking higher light levels for improved safety and security. The streamlined design breaks away from dated traditional designs, blending form and function, to deliver superior low-glare illumination.
Applications: Parking garages

Performance Summary

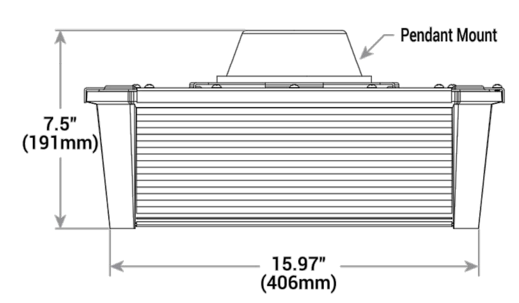
- Utilizes Cree WaveMax™ Technology
- **Initial Delivered Lumens:** 3,910 or 7,500 lumens
- **Input Power:** 33 or 65 watts
- **Efficacy:** 118 or 115 LPW
- **Optic:** Type V Short Distribution
- Made in the U.S.A. of U.S. and imported parts
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K)
- **CRI:** Minimum 80 CRI
- **Limited Warranty**†: 10 years on luminaire

† See www.cree.com/lighting/products/warranty for warranty terms

JB Mount



PD Mount



Weight
10 lbs (4.5kg)

Accessories

Field-Installed
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:
Example: **Mount:** IG-JB WH + **Luminaire:** IG A NM 5S A 40K-UL WH PML

Mount (Luminaire must be ordered separately)	
IG-	WH
IG-JB Junction Box **IG-PD** Pendant SPECIFY	**Color Options:** **WH** White

Luminaire (Mount must be ordered separately)									
IG	A	NM	5S			–		WH	
Product	Version	Mounting	Optic	Input Power Designator	CCT	–	Voltage	Color	Options
IG	A	NM No Mount	5S Type V Short	A 33W, 3,910 lumens - 118 LPW J 65W, 7,500 lumens -115 LPW	40K 4000K 57K 5700K	–	UL 120-277V 34 347V	WH White	PML Programmable Multi-Level - Refer to PML spec sheet for details

Rev. Date: V1 04/24/2015

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

IG Series LED Parking Garage Luminaire

Product Specifications

CREE WAVEMAX™ TECHNOLOGY

Featuring up to 90% optical efficiency and precise control, Cree WaveMax™ Technology provides unmatched comfort and decreased LED source luminance by smoothly spreading brightness over a broader area. When integrated with luminous surfaces made of a polymer medium engineered with DiamondFacet™ microlenses, extremely high efficacy luminaires are the result- ultimately creating more visually comfortable and appealing environments while exceeding illumination performance.

CONSTRUCTION & MATERIALS

- Impact resistant white polycarbonate housing and acrylic lenses
- Corrosion resistant anodized aluminum top plate
- Low profile, lightweight design provides ease of intallation
- J-Box mounting bracket mounts directly over existing 4" (102mm) square, rectangular or octagonal junction boxes only
- Pendant mount includes 66" (1,676mm) wires out of luminaire and is intended to be mounted by 3/4" IP pendant (by others)
- **Weight:** 10 lbs. (4.5kg)

OPTICAL SYSTEM

- WaveMax™ Technology that improves optical control, optical efficiency, energy efficiency and the overall visual experience
- Acrylic Lenses with DiamondFacet™ Microlenses
- Unmatched low-glare comfort and decreased LED source luminance by smoothly spreading brightness over the optical lenses
- 8% Uplight

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- **Input Power:** Stays constant over life
- **Operating Temperature Range:** -40°C - + 40°C (-40°F - + 104°F)
- Integral 6kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

- Pending cULus Listing
- Suitable for wet locations
- Suitable for operation in ambient not exceeding 40°C (104°F)
- Pending IP66 enclosure rating per IEC 60529
- Pending 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 standards for conducted and radiated emissions

Electrical Data*							
Input Power Designator	System Watts 120-277V	System Watts 347V	Total Current				
			120V	208V	240V	277V	347V
A	33	35	0.34	0.20	0.17	0.15	0.12
J	65	69	0.67	0.39	0.33	0.29	0.25

* Electrical data at 25°C (77°F)

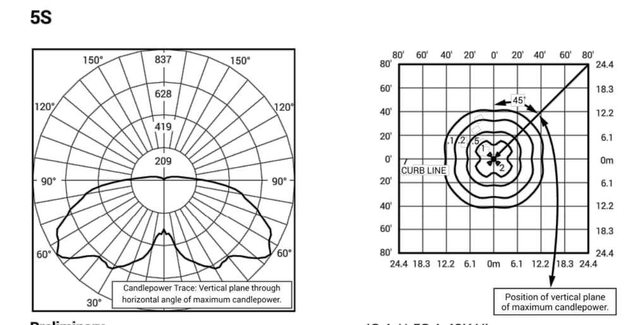
Recommended IG Series Lumen Maintenance Factors (LMF)[1]						
Ambient	Input Power Designator	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5°C (41°F)	A J	1.04	1.00	0.97	0.95	0.92
10°C (50°F)	A J	1.03	0.99	0.96	0.94	0.91
15°C (59°F)	A J	1.02	0.98	0.95	0.93	0.90
20°C (68°F)	A J	1.01	0.97	0.94	0.92	0.89
25°C (77°F)	A J	1.00	0.96	0.93	0.91	0.88
30°C (86°F)	A J	0.99	0.95	0.92	0.90	0.87
35°C (95°F)	A J	0.98	0.94	0.91	0.89	0.86
40°C (104°F)	A J	0.97	0.93	0.90	0.88	0.85

[1] Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting

5S



Preliminary
RESTL Test Report #: PL05614-001
IG A ** 5S A 40K-UL
Initial Delivered Lumens: 3,696

IG A ** 5S A 40K-UL
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 3,910
Initial FC at grade

Type V Short Distribution				
Input Power Designator	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	3,910	B2 U3 G2	3,910	B2 U3 G2
J	7,500	B3 U3 G3	7,500	B3 U3 G3

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

JOB: 7 SEACREST SYNAGOGUE TYPE: SB BUXW-9-LED-U-10W-4-M13-DIM

BUXW-LED

Construction:
- Steel housing and chassis
- Optional Aluminum construction

Light Source:
- LED
- Dimming (0 - 10v) to 10% **Included**

Notes:
- Universal mounting plate
- Up/Down Light
- Optional Aluminum construction
- ADA compliant
- UL and CUL listed **WET** location
- LED Components
  - Replaceable Module
  - CRI > 80
  - Universal 120/277 volt standard
  - 5-Year Warranty on LED Components

Type:	
Job Name:	

WALL CEILING PENDANT OUTDOOR

BUXW-9
Height - 9 ¼"
Width - 4 ¾"
Depth - 2 ¾"

DIMMABLE MADE IN AMERICA

ORDERING INFORMATION

Example: BUXW-9-LED-U-10W-3-Z1-42

Model	Cage	Voltage	Lamping	Kelvin	Finish	Diffuser	Options
BUXW-9-LED		U 120 - 277	10w LED / 1180 lm 5w/590 lm Up 5w/590 lm Down	2 3000K 4 4000K Optional 3 3500K	B1 Satin Black W2 Gloss White Z1 Satin Bronze Z3 Text Bronze Optional (See Price List) W1 Yolk W3 Text White B2 Text Black T4 Shimmer Gray M13 Anod Silver T6 Pewter W13 Pearl Beige		DIM LED dimming driver (0 - 10v) Dimming to 10% (Included) 42 All Aluminum Construction

28435 Industry Drive., Valencia, California 91355
West Coast Sales: 800-325-4448 /661-257-0286 • fax 800-323-2346 /661-257-0201
East Coast Sales: 866-350-0991 • fax 866-490-5754
www.lightwayind.com • sales@lightwayind.com

Lightway

JOB: 7 SEACREST SYNAGOGUE TYPE: SC LED6-SYL11-4K-U / 6LED-FR-CL-DGBS

RECESSED

architectural

Project:
Type:
Catalog number:

LED 6" lensed

1100, 1500, 2000 or 3000 lumens

frame-in kit

ENERGY STAR

- This fixture is universal 120-277V when using the standard 0-10V dimming driver at the 2000 lumen level or lower. Voltage must be specified when using optional drivers and on any 3000 lumen fixtures. A (3) designated fixture will be for 347V, contact factory for specs.
- Universal mounting brackets provide tool-less adjustability and will accept the supplied hanger bars or optional #517 and #520 Caddy bars. Also accepts C channel.
- Electrogalvanized plated steel hanger bars are included as factory standard. Bars extend to 24" and offer self-nailing and additional mounting features.
- 5-year LED component warranty details at atlantic-lighting.com/main/support.

OSRAM Sylvania LED Module
- White lens when off
- Superior quality white LED light
- 80+ CRI
- Rated Life: 50,000 hours at 70% lumen maintenance (L70) when maintained in a 45°C ambient environment with open air flow. Ambient temperatures lower than 45°C may extend life of module.

OSRAM Sylvania Electronic LED Driver
- Dimmable, instant 100% light (1%-100%) via: 0-10V protocol. See driver spec.

Passive Heat Sink
- Black anodized aluminum

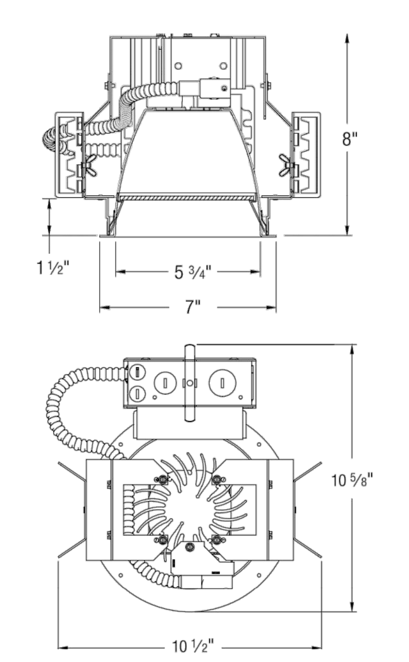
This LED fixture is intended for non-IC applications, insulation must be kept 3" away from fixture on all sides. Not for use within enclosures.

Listed for Wet Location under covered ceiling. Listed to UL 1598 and Canadian standards. ENERGY STAR® qualified (120V/277V and with standard driver only). Air Tight certified to ASTM E283-04 with –AT trim option. Photometrics at atlantic-lighting.com.

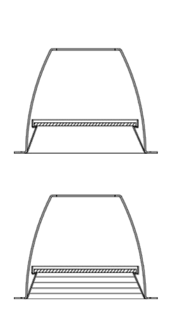
Specifications and dimensions subject to change without notice.

PROUDLY ASSEMBLED IN AMERICA

R.O. Ø 6 ½"
Maximum ceiling thickness 1 ½"



TRIM KIT



lensed reflector
6LEDPR Prismatic lens
6LEDFR Frosted lens

baffled lensed reflector
6LED11PR Black baffled splay & prismatic lens
6LED11FR Black baffled splay & frosted lens
6LED12PR White baffled splay & prismatic lens
6LED12FR White baffled splay & frosted lens

Precision spun .052 aluminum reflector with a specular clear finish. The self-flanged splay has a white painted trim flange and includes safety chain. Optional polished flange will match the splay finish (not available on baffled splay).

ordering data

FRAME-IN KIT

SERIES LED6
LED6 Architectural 6" LED

LUMENS*
SYL11 1100 lumen module
SYL15 1500 lumen module
SYL20 2000 lumen module
SYL30 3000 lumen module (must specify voltage)

COLOR TEMPERATURE
27K 2700K
3K 3000K
35K 3500K
4K 4000K
5K 5000K

VOLTAGE
U Universal 120V-277V
1 120V
2 277V
3 347V Contact Factory

DIMMING
0-10V DC standard, leave box blank
L3D Lutron® EcoSystem® and 3-wire (100%-1%)
LDE Lutron® EcoSystem® (100%-1%, Fade-to-Black™)
LTE Lutron® 2-wire forward-phase (100%-1%) (120V only)
DAL DALI (Type 6, IEC62386) Driver; Dimming to 0.1%
DMX DMX Driver with RDM capability; Dimming to 0.1%
Must specify voltage with optional dimming.

OPTIONS
LEM Emergency Pack, Bodine #BSL17C-C2 or equivalent Requires large frame.
CP Chicago Plenum

TRIM KIT
◂◂◂ Refer to left for part numbers. Specify finish & other below.

Finishes
CL Specular clear
SS Semi-specular clear
HZ Haze clear (etched)
WH Matte white

Other
PF Polished flange
GS Gasket under flange
DBGS Double-gasket (under flange and with a silicone sealed lens)
AT Air tight (not offered with LEM)

*Listed lumens and wattages are component measurements. See photometrics for fixture values.

P/N Example: LED6-SYL11-27K-U / 6LEDPR-CL
LED6-SYL11-27K-U / 6LEDPR-CL
series lumens temp voltage options trim kit finish other

ATLANTIC LIGHTING T: 508 678-5411 | F: 508 678-5408 www.atlantic-lighting.com 030118 NP15-023

PERFORMANCE iN LIGHTING

PRODUCT CODE 079836
PROJECT 7 SEACREST SYNAGOGUE
TYPE SD

Q-WALL MINI

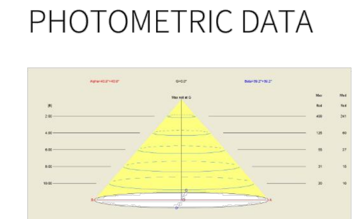
IP 65 LISTED WET 0-10 V PRONTO

Part number	079836
Lampholder:	LED
Wattage:	30 W
Finish:	GR-94 / ALUMINUM METALLIC / TEXTURED
Degree of protection:	IP 65
CRI:	80
Kelvin:	4000
Optic Beam:	85°
Luminaire lumen output:	3084 lm
L:	L70
B:	B10
Lifetime:	55000 h
cULus:	
Voltage:	120/277V
Ta MIN luminaire:	0°
Ta MAX luminaire:	0°

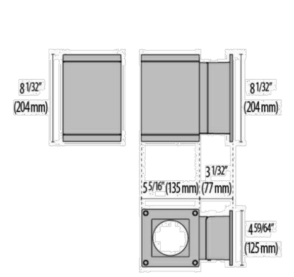
Description

Indoor and outdoor wall-mount fixture, including:
- Extruded aluminium housing, grey or anthracite painted
- Polymer gasket
- Extra-clear flat tempered glass diffuser with internal screen-printing
- Painted die cast aluminium bracket for wall mounted applications, featuring ease of installation
- Stainless steel locking screws
- Aluminium heat sink
- 4000 K and 3000 K LED Array
- High-power LEDs with next generation high intensity light beam
- 99.85% high performance anodised aluminium circular reflectors
- M versions, i.e. single emission, are supplied with a single light source and are designed to allow a single sided light output either upwards or downwards

PHOTOMETRIC DATA



TECHNICAL DRAWINGS



Performance in Lighting - 2621 Keys Pointe - Conyers, Georgia 30013 - USA - voice 770.822.2115 - info.usa@pil.lighting
www.performanceinlighting.com

KA
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SEAL

JOSEPH B. KALLER
FLORIDA R.A. # 0009239

PROJECT TITLE
CHABAD OCEAN JEWISH CENTER
7 SEACREST PKWY
HOLLYWOOD, FL 33019

SHEET TITLE
SITE PHOTOMETRICS SPECIFICATIONS

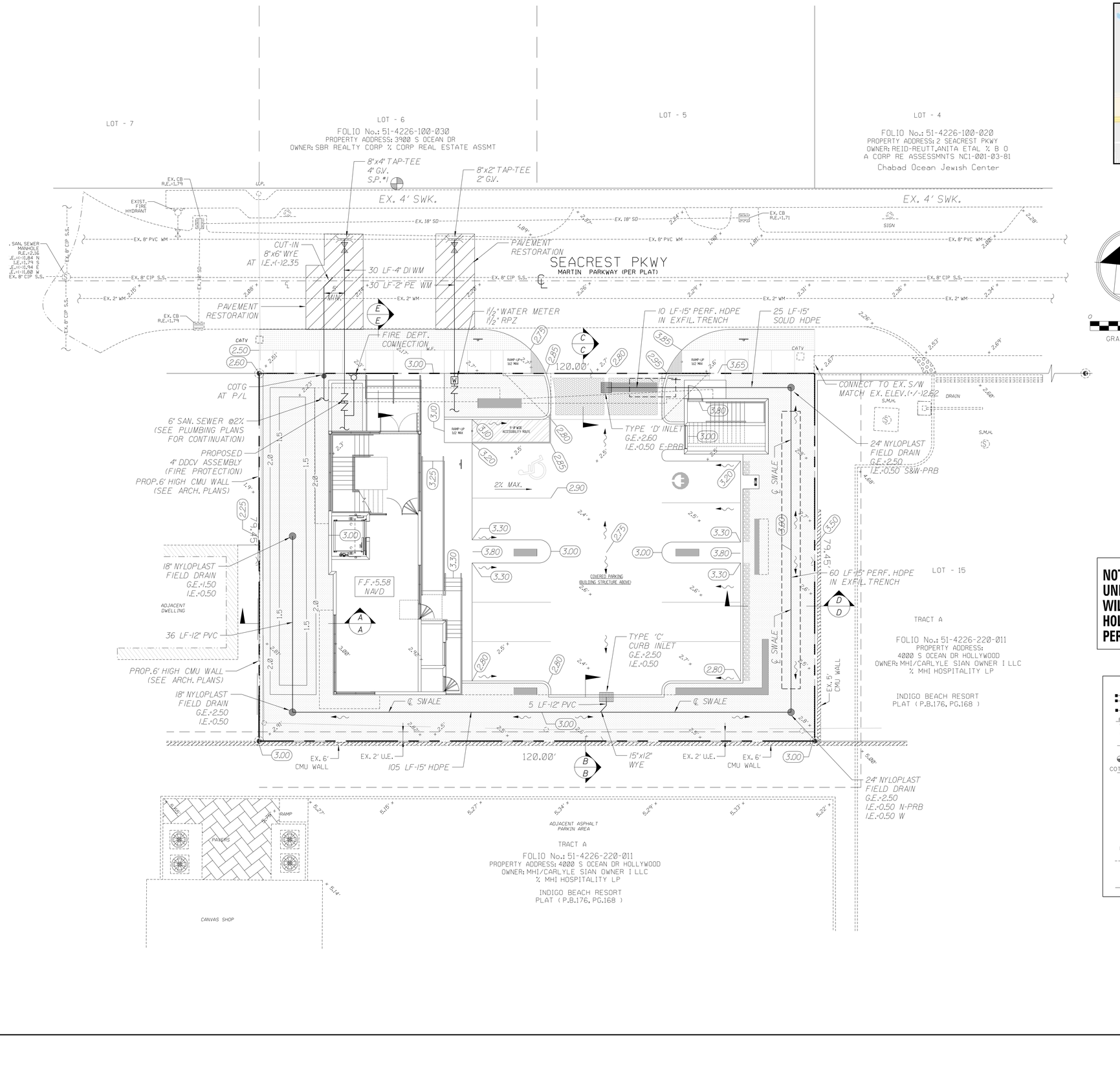
REVISIONS

No.	DATE	DESCRIPTION
-	-	-

PROJECT No.: 18067
DATE: 12/21/2018
DRAWN BY: JP
CHECKED BY: JBK

SHEET
SL-2

12/21/2018 4:25:22 PM, 1:1



LOCATION MAP
N.T.S.

NOTE:
UNDERGROUND FIRE MAIN WORK WILL BE COMPLETED BY A CONTRACTOR HOLDING CLASS I, II OR V LICENSE PER FS 633.102

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
COTG	CLEANOUT TO GRADE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
F.F.-	FINISHED FLOOR ELEVATION
	DIRECTION OF OVERLAND FLOW
P.R.B.	POLLUTION RETARDANT BASIN
	EXISTING OR FUTURE UTILITIES
2.6+	EXISTING GRADE
3.30	PROPOSED GRADE

NOTE:
ALL EXISTING AND PROPOSED GRADE ELEVATIONS REFER TO 1988 NAVD DATUM.

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

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

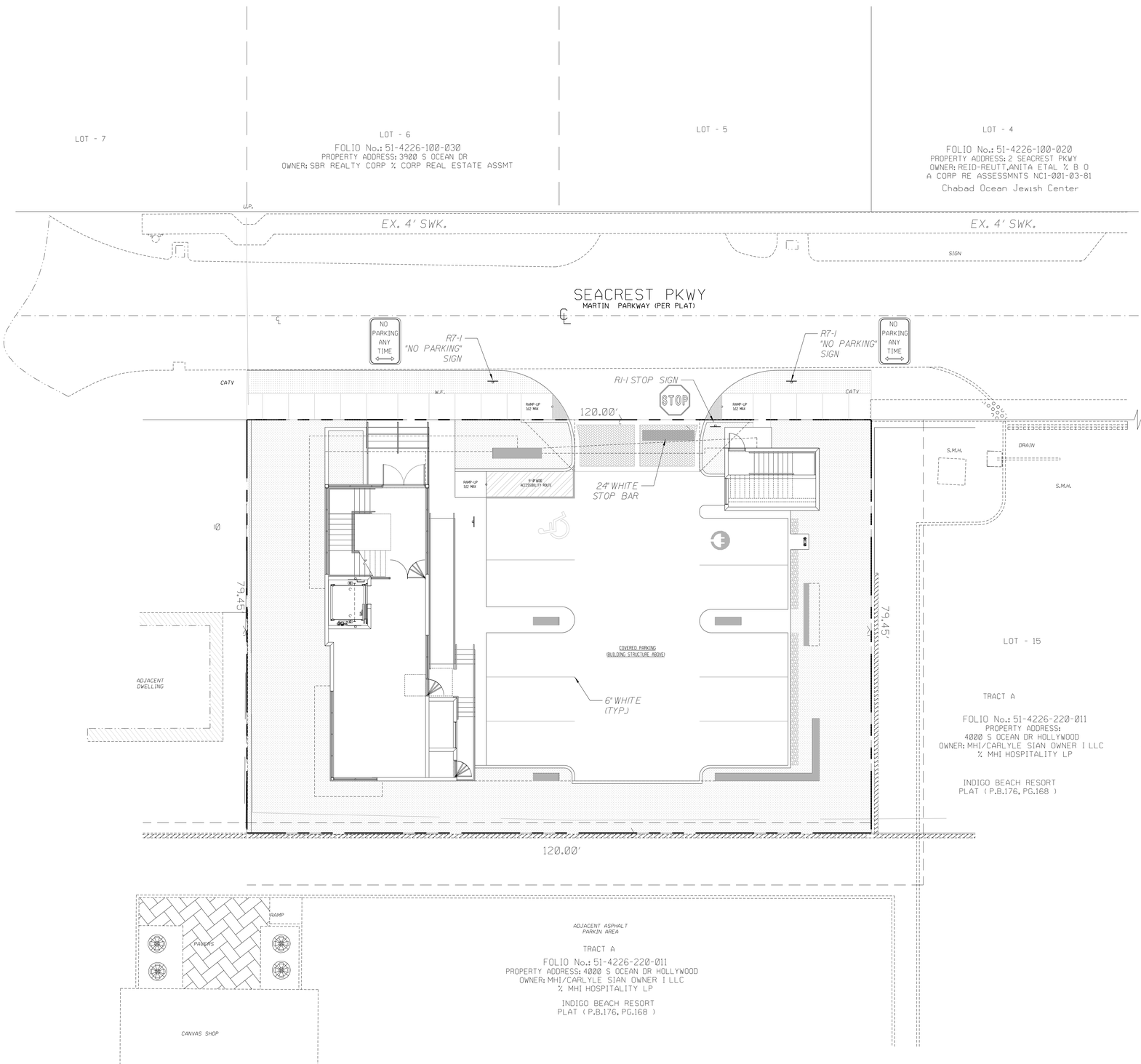
PROJECT:
Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

TASK:
CIVIL ENGINEERING 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
Phone: (954) 986-9899
Fax: (954) 986-6655

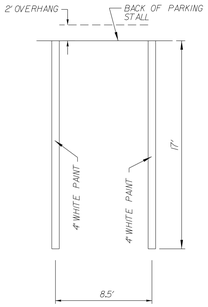
DATE:	SCALE:
Nov. 2018	1"=10'
DESIGNED BY: G.G.B.	DRAWN BY: F.M.
PROJECT NO. 18-1107	
SHEET C-1	

GARY G. BLOOM, P.E.
FLA LIC. No. 59832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

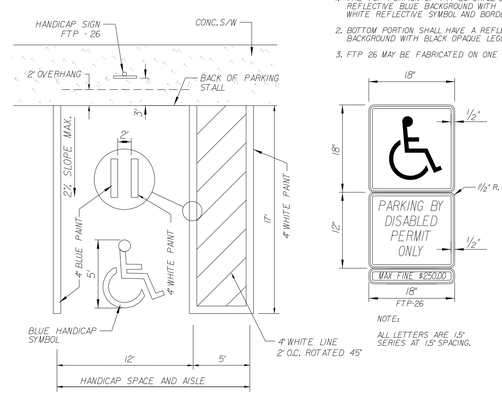


LOCATION MAP
N.T.S.

0 10' 20'
GRAPHIC SCALE



TYPICAL PARKING STALL DETAIL
N.T.S.



HANDICAP STALL AND SIGN DETAIL
N.T.S.

NOTE:
ALL PAVEMENT MARKINGS TO CONFORM TO BROWARD COUNTY STANDARDS LATEST EDITION.

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

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

PROJECT:
Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

TASK:
PAVEMENT MARKINGS AND SIGNAGE PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 8118
2699 Stirling Road, Suite C-202
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Phone: (954) 986-9899
Fax: (954) 986-8655

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

PROJECT NO.
18-1107

SHEET
C-1A

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 THE SAME 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

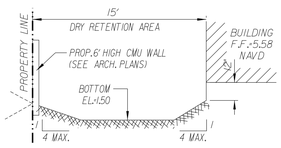
1. THERMOPLASTIC SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SEE SECTION 711-MINIMUM THICKNESS 90 MILS (ALKYD ONLY).
2. ALL MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVISED 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

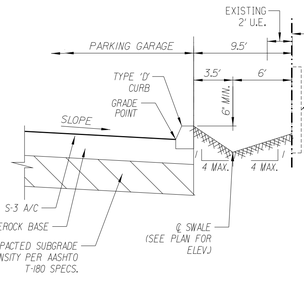
1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD AND PARKING LOT AREA SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL AND REPLACED WITH THE SPECIFIED FILL MATERIAL IN MAXIMUM 1' LIFTS COMPACTED 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

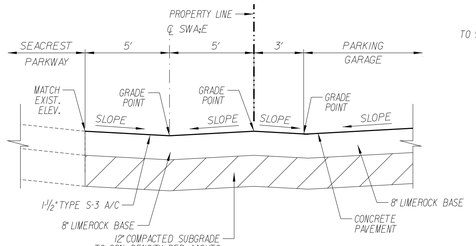
16. ASPHALTIC CONCRETE TYPE S-III SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 331-1 THROUGH 331-6 OF F.D.O.T. STANDARD SPECIFICATIONS. ASPHALTIC CONCRETE TYPE S-1 SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 333-1 THROUGH 333-6 OF F.D.O.T. STANDARD SPECIFICATIONS.
17. ALL CONCRETE SHALL HAVE A MINIMUM 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.



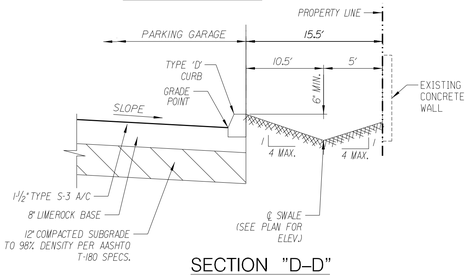
SECTION "A–A"



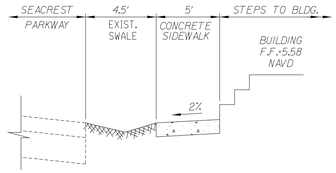
SECTION "B–B"



SECTION "C–C"



SECTION "D–D"



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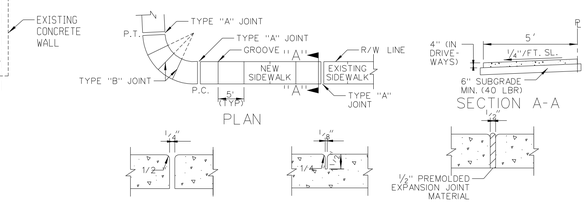
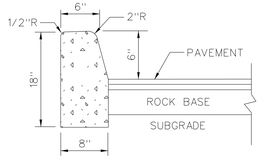


TYPE "A" (OPEN TYPE JOINTS) TYPE "B" (SAWED JOINTS) TYPE "C" (EXPANSION JOINTS)

NOTES

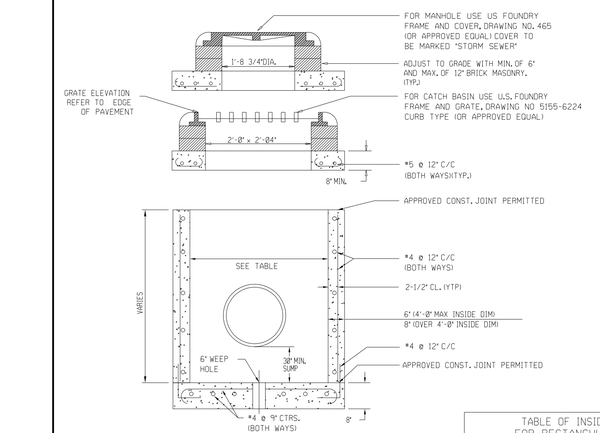
1. ALL CONCRETE SHALL BE 3000 PSI, 4" THICK 6" THICK (MIN.) AT DRIVEWAYS ONLY.
2. TYPE "A" JOINT TO BE USED AT P.C. AND PT OF CURVES AND JUNCTION OF EXISTING AND NEW SIDEWALK
3. TYPE "B" JOINT TO BE USED AT 5'-0" CENTER TO CENTER ON SIDEWALKS.
4. TYPE "C" JOINT TO BE USED WHERE SIDEWALK ABUTS CONCRETE 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"



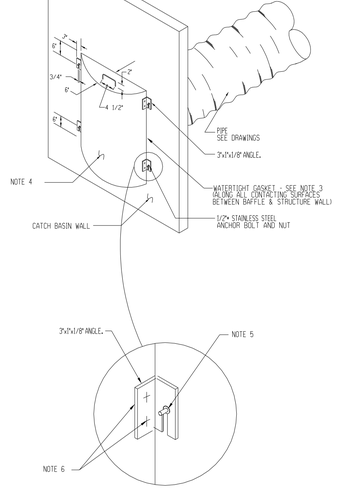
DRAINAGE STRUCTURES

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 6'-0"	5'-0" X 6'-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



NOTE:

1. CONTRACTOR TO VERIFY THAT BAFFLE WILL FIT STRUCTURE IN
2. DEBRIS BAFFLE REQUIRED AT CATCH BASINS CONNECTED DIRECTLY TO PROPOSED DRAIN FIELD.
3. PROVIDE NEOPRENE GASKET SIDES AND TOP
4. SECTION OF A.C.M.P. CUT IN HALF OR EQUIVALENT PREFABRICATED FIBERGLASS, BAFFLE DIAMETER TO BE AS PER TABLE 1
5. 1/2" GALVANIZED LAG BOLT IN LEAD SHIELD
6. WELD OR 2-1/4" THRU BOLTS.

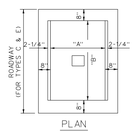
TABLE 1

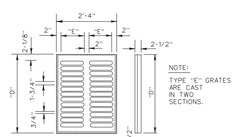
D	BAFFLE DIA.
10"	15"
15"	24"
18"	30"
24"	36"
30"	48"
36"	54"

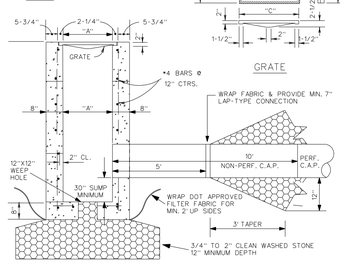
BRACKET DETAIL

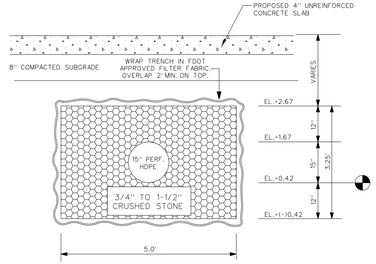
POLLUTION RETARDANT BASIN DEBRIS BAFFLE DETAIL

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"









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.

EXFILTRATION TRENCH

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

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PROJECT:
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HOLLYWOOD FLORIDA

TASK:

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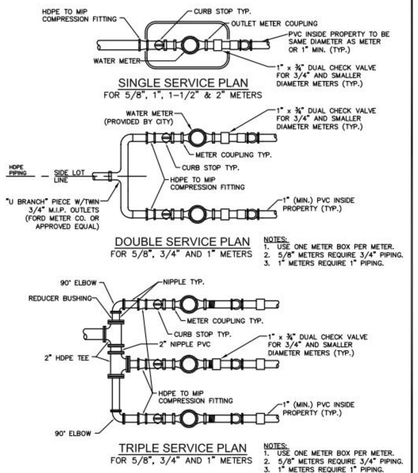
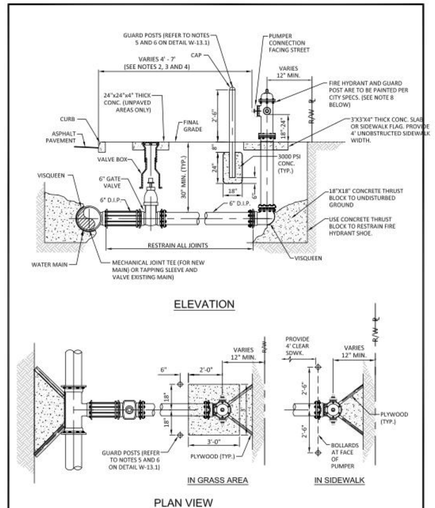
DATE:	SCALE:
Nov. 2018	N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.
PROJECT NO. 18-1107	
SHEET C-2	

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: 06/08/2014
DRAWN: EAM	TYPICAL 5/8", 1", 1-1/2" AND 2" METER INSTALLATION	DRAWING NO. W-06
APPROVED: XXX		

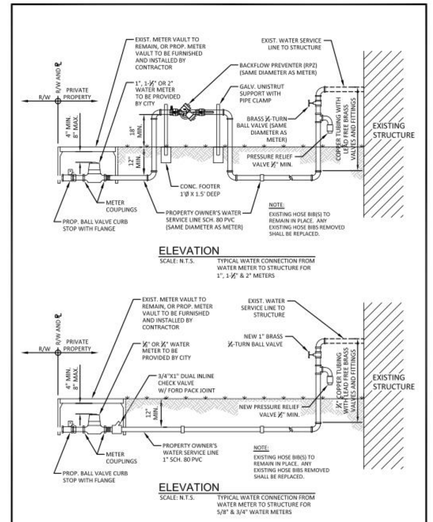


ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL FIRE HYDRANT INSTALLATION	DRAWING NO. W-13
APPROVED: XXX		

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: 06/08/2014
DRAWN: EAM	TYPICAL FIRE HYDRANT NOTES	DRAWING NO. W-13.1
APPROVED: XXX		

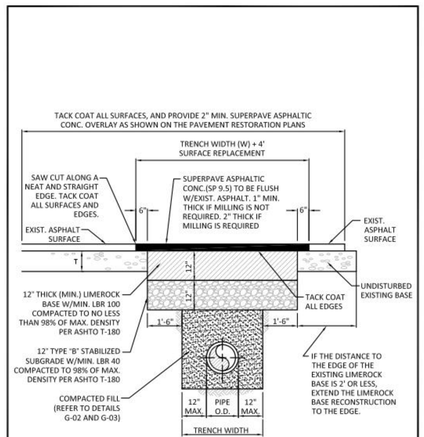


ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2014
DRAWN: EAM	TYPICAL WATER SERVICE FROM METER TO STRUCTURE FOR 5/8" THROUGH 2" METERS	DRAWING NO. W-10
APPROVED: XXX		

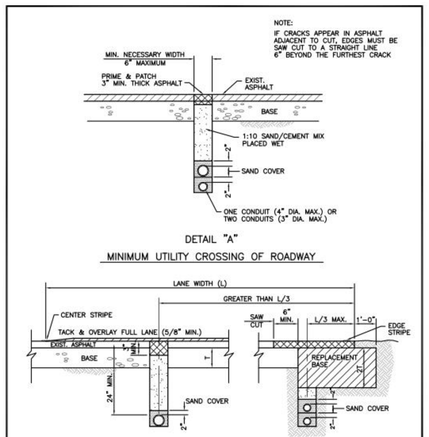
FLEXIBLE PAVEMENT RESTORATION NOTES:

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: 06/08/2014
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION NOTES	DRAWING NO. G-12
APPROVED: XXX		



ISSUED: 03/01/99	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
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: 06/08/2014
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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DATE: Nov. 2018
SCALE: N.T.S.
DESIGNED BY: G.G.B.
DRAWN BY: F.M.
PROJECT NO. 18-1107
SHEET C-3

GARY G. BLOOM, P.E.
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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.

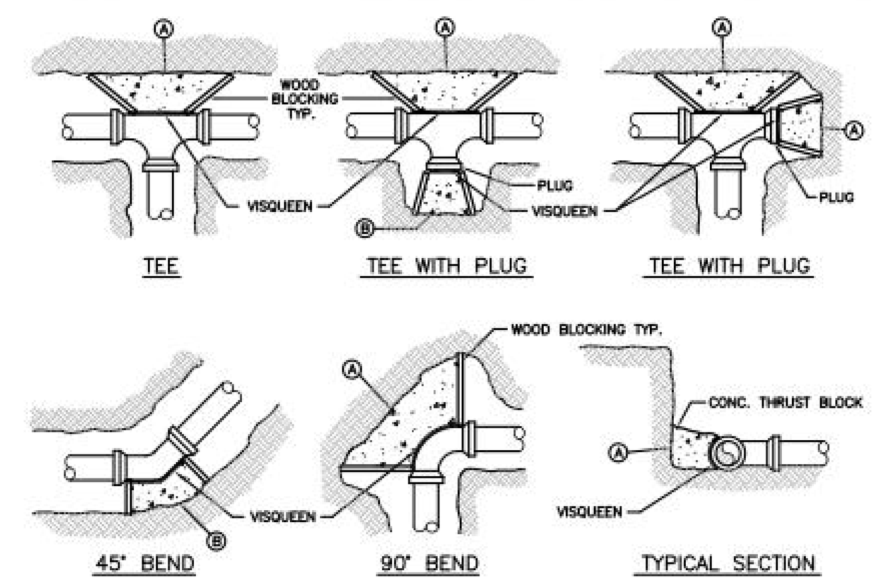
SANITARY SEWER:

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 / APPROVED: XXX	THRUST BLOCK DESIGN	DRAWING NO. G-10

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 / APPROVED: XXX	WATER NOTES	DRAWING NO. W-01.1

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.

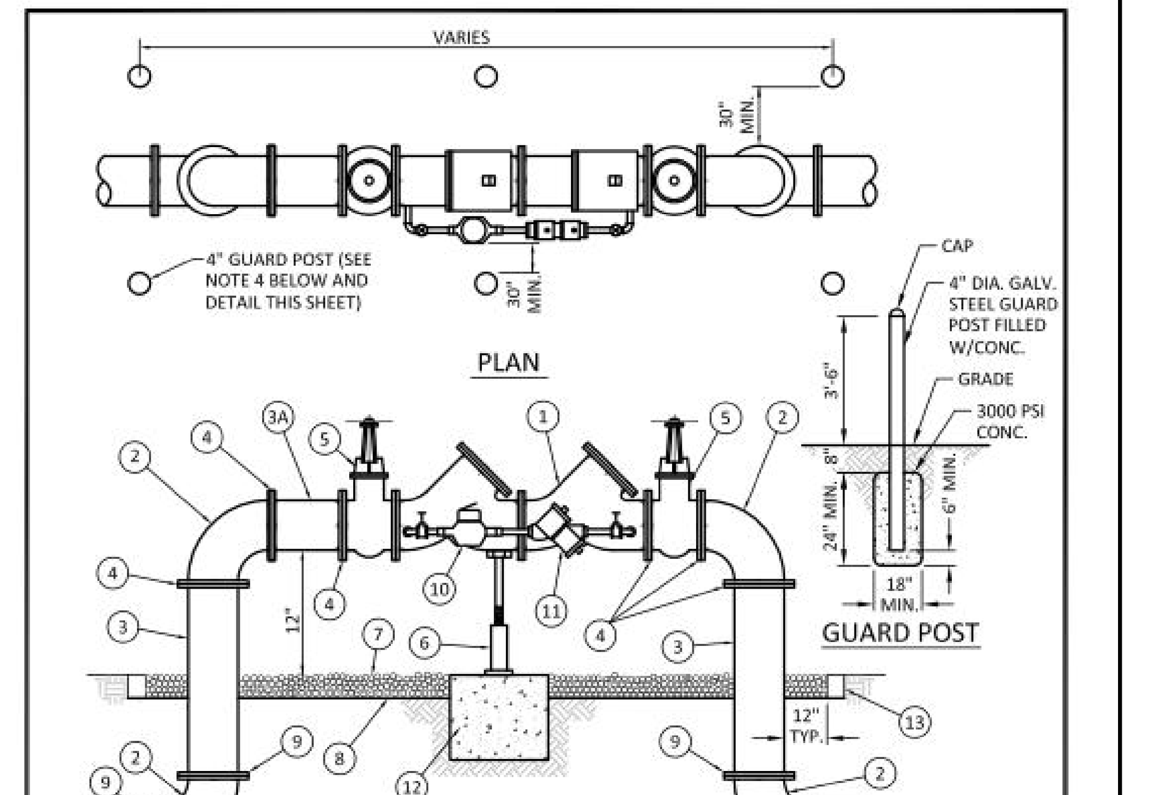
THE LID AND FRAME SHALL BE CAST OF CLOSE-GROUND GRAY IRON CONFORMING TO ASTM A-48, CLASS 30 AND SHALL BE OF UNIFORM QUALITY, FREE OF BLOW HOLES, POROSITY, CRACKS, AND OTHER OBVIOUS VISUAL DEFECTS. THE COMBINED WEIGHT OF THE FRAME AND LID SHALL NOT BE LESS THAN 420 POUNDS, AND THE LID SHALL WEIGH A MINIMUM 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.



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 / APPROVED: XXX	TYPICAL 4", 6" AND 8" DOUBLE CHECK DETECTOR ASSEMBLY FOR FIRE SPRINKLER SERVICE (90° BENDS)	DRAWING NO. W-03

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 / APPROVED: XXX	WATER NOTES	DRAWING NO. W-02

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.

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 / APPROVED: XXX	WATER SYSTEM NOTES	DRAWING NO. W-01

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:
Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

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) 986-9899
Fax: (954) 986-6655

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

PROJECT NO.
18-1107

SHEET
C-4

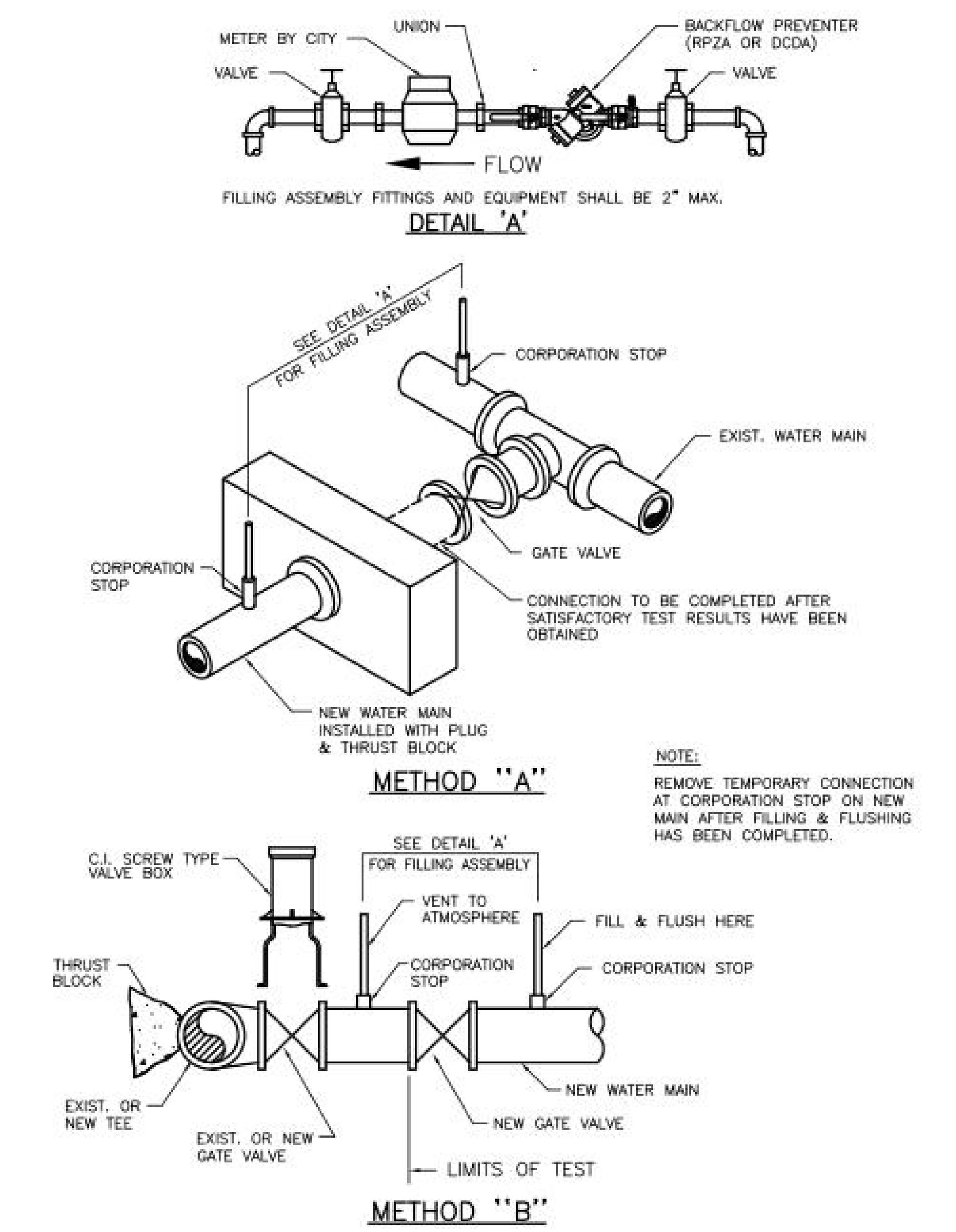
GARY G. BLOOM, P.E.
FLA LIC. No. 19832
NOT VALID UNLESS SIGNED
AND SEALED BY ENGINEER

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	WATER MAIN; 12 inches is the minimum except for storm sewer, then 6 inches is the minimum and 12 inched is preferred	Alternate 3 ft minimum; WATER MAIN
GRAVITY SANITARY SEWER, (3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	WATER MAIN; 10 ft prefered 6 ft minimum	WATER MAIN; 12 inches is the minimum except for gravity sewer, then 6 inches is the minimum and 12 inched is preferred	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. RECLAIMED WATER REGULATED 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. A MINIMUM 6 FOOT HORIZONTAL SEPARATION 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 IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT 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 DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
8. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALY 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



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.

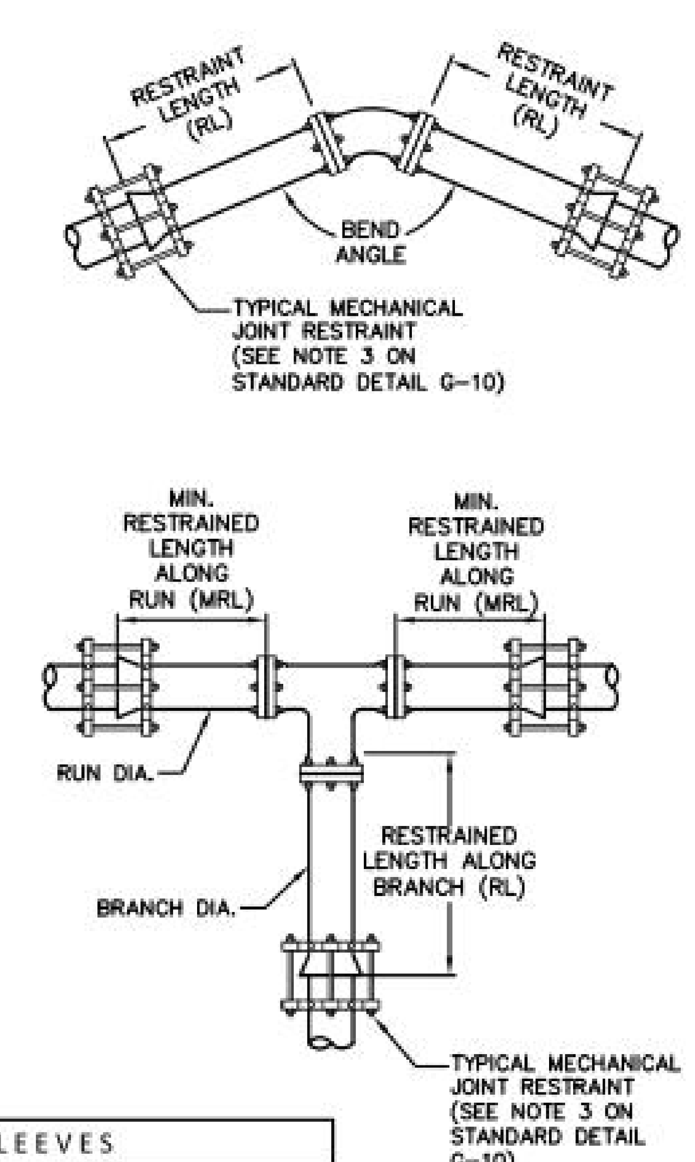
ISSUED: 03/01/1994 | DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL | REVISED: 06/08/2014
DRAWN: EAM | APPROVED: XXX
TESTING AND DISINFECTION NOTES
DRAWING NO. W-14

HORIZONTAL BENDS

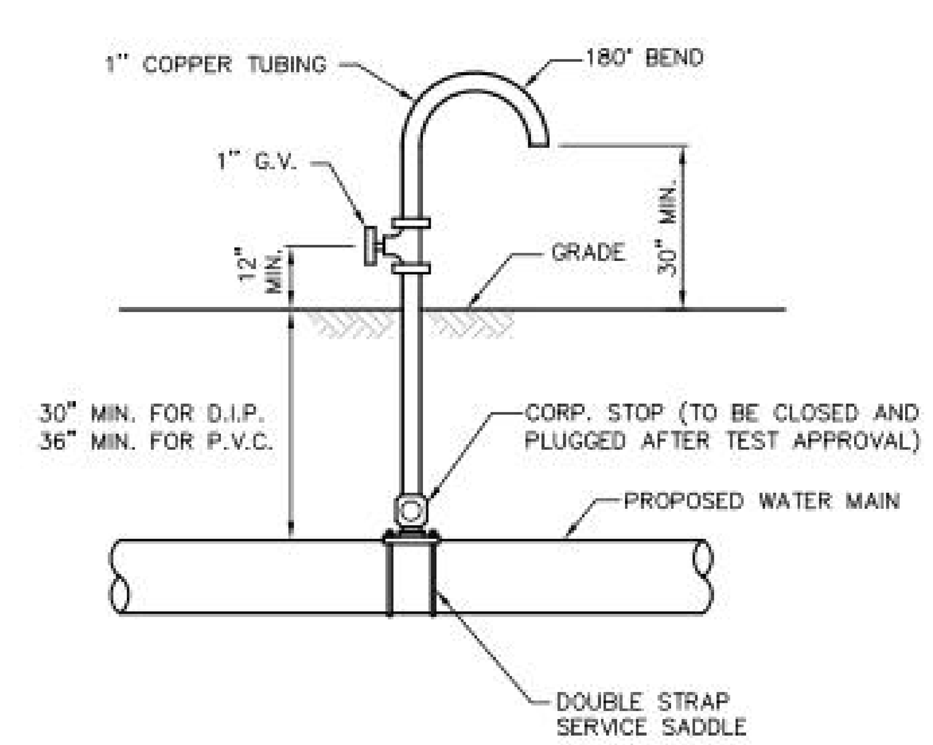
PIPE DIA. (INCHES)	BEND (ANGLE)	RESTRAINED LENGTH (RL) (FT) PVC	*DIP
16	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
8	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
6	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.
4	11 1/4	.	.
	22 1/2	.	.
	45	.	.
	90	.	.

TEES AND TAPPING SLEEVES

RUN DIA. (INCHES)	BRANCH DIA. (INCHES)	MIN. RESTRAINED LENGTH ALONG RUN (FT.)	MIN. LENGTH TO RESTRAIN ALONG BRANCH (FT.) PVC	*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

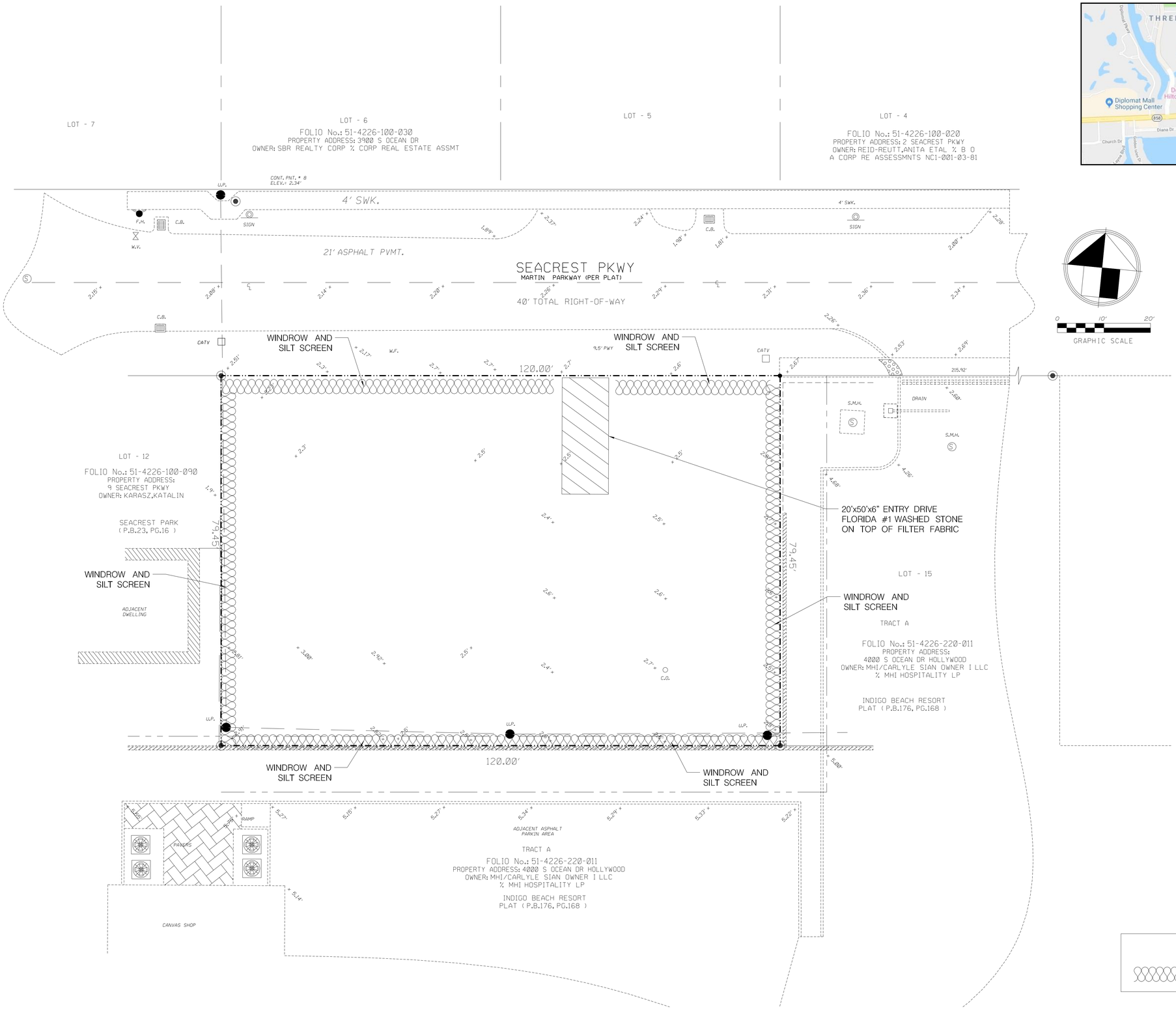
PROJECT: Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

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) 986-9899
Fax: (954) 986-6655

DATE: Nov. 2018 | SCALE: N.T.S.
DESIGNED BY: G.G.B. | DRAWN BY: F.M.
PROJECT NO. 18-1107
SHEET C-5

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



LOCATION MAP
N.T.S.

GRAPHIC SCALE
0 10' 20'

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:
Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

TASK:
STORMWATER POLLUTION PREVENTION PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 6118
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9899
Fax: (954) 986-8635

DATE:	SCALE:
Nov. 2018	1"=10'
DESIGNED BY: G.G.B.	DRAWN BY: F.M.
PROJECT NO. 18-1107	
SHEET C-6	

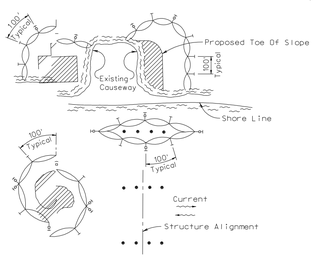
GARY G. BLOOM, P.E.
FLA LIC. No. 59832
NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

LEGEND

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

GENERAL NOTES

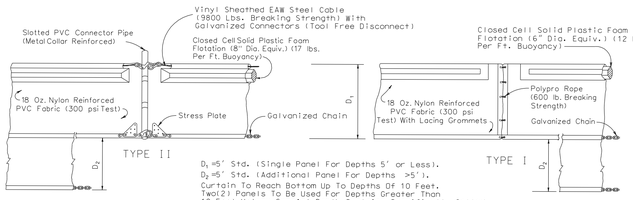
1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.



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.

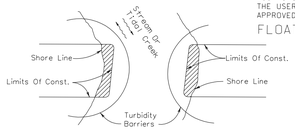
TURBIDITY BARRIER APPLICATIONS



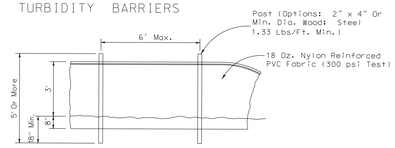
D_1 =5' Std. (Single Panel For Depths 5' or Less).
D_2 =5' Std. (Additional Panel For Depths >5').
Curtain To Reach Bottom Up To Depths Of 10 Feet. Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

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

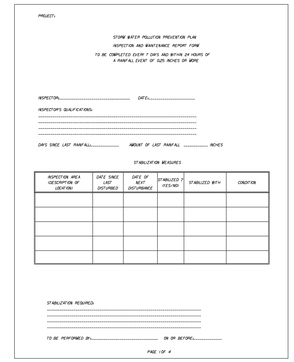


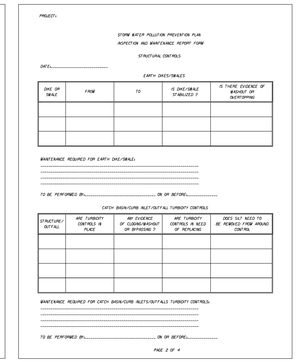
Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in 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.

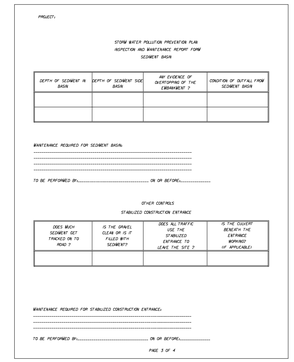


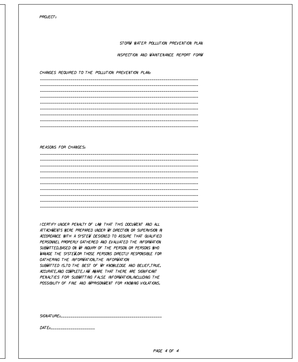
STAKED TURBIDITY BARRIER

TURBIDITY BARRIER DETAILS PER FDOT INDEX NO. 103







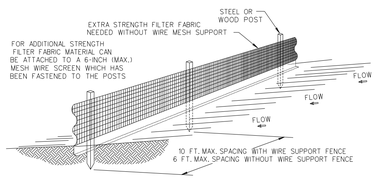


NOTE TO CONTRACTOR:

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 1 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 JURISDICTION 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 PROMPTLY, 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.

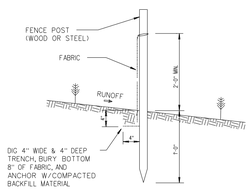
EROSION CONTROL NOTES DETAIL D9.1



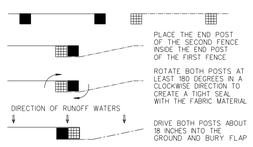
NOTES-

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 ORIGINAL 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

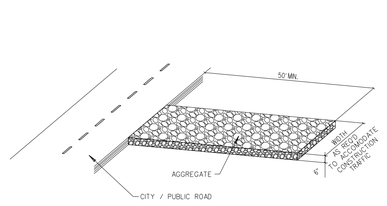


SILT FENCE SECTION
NOT TO SCALE



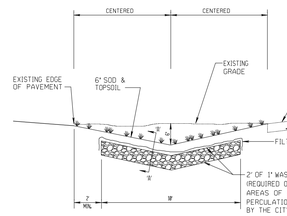
ATTACHING TWO SILT FENCES
NOT TO SCALE

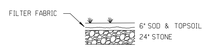
SILT FENCE INSTALLATION DETAIL D 9.1b
Sheet 2 of 2



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:
Chabad Ocean Jewish Center
HOLLYWOOD FLORIDA

TASK:

STORMWATER POLLUTION PREVENTION PLAN

GGB Engineering, Inc.
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
FLORIDA REGISTRATION No. 61018
2699 Stirling Road, Suite C-202
Fort Lauderdale, Florida 33312
Phone: (954) 986-9899
Fax: (954) 986-6635

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

PROJECT NO.
18-1107

SHEET
C-7

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