





GENERAL NOTES:

1. PERMITS: CONTRACTOR SHALL CONTAIN IN THEIR BID AS WELL AS SECURE ALL NECESSARY BUILDING PERMITS, NOT LIMITED, ROOFING, PLUMBING, ELECTRICAL, MECHANICAL, OCCUPANCY AND OTHER PERMITS, AT HIS EXPENSE, SO THAT THE OWNER CAN OBTAIN HIS / HER CERTIFICATE OF OCCUPANCY.

2. QUALIFICATION OF CONTRACTOR: THE GENERAL CONTRACTOR AND ALL SUB - CONTRACTORS SHALL BE LICENSED BY THE STATE OF FLORIDA, AS WELL AS THE COUNTY AND BE INSURED TO MEET THE REQUIREMENTS OF BROWARD COUNTY AND THE CITY OF HOLLYWOOD.

3. OWNER SHALL HAVE THE RIGHT OF APPROVAL OR REJECTION OF ALL SUBCONTRACTORS PRIOR TO SIGNING THE CONTRACT. GENERAL CONTRACTOR SHALL SUBMIT A LIST OF ALL PROPOSED SUBCONTRACTORS AND SUPPLIERS TO THE OWNER FOR THIS PURPOSE.

4. EXISTING CONDITIONS: CONTRACTOR BY AND THROUGH SUBMISSION OF HIS BID, AGREES THAT HE SHALL BE HELD RESPONSIBLE FOR HAVING EXAMINED THE SITE, THE PROPOSED PLANS, THE LOCATION OF ALL PROPOSED WORK AND FOR HAVING SATISFIED HIMSELF FROM HIS OWN PERSONAL KNOWLEDGE AND EXPERIENCE OR PROFESSIONAL ADVICE AS TO THE CHARACTER AND LOCATION OF THE SITE, THE NATURE OF EXISTING CONDITIONS , THE LOCATION OF EXISTING UTILITIES AND ANY OTHER CONDITIONS SURROUNDING AND AFFECTING THE WORK, ANY OBSTRUCTIONS, AND ALL OTHER PHYSICAL CHARACTERISTICS OF THE SITE, IN ORDER THAT HE MAY INCLUDE IN HIS PRICE ALL COSTS PERTAINING TO THE WORK AND THEREBY PROVIDE FOR THE SATISFACTORY COMPLETION OF ANY OBJECTS OR OBSTRUCTION WHICH MAY BE ENCOUNTERED IN DOING THE PROPOSED WORK.

5. ALL MEASUREMENTS AND DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD, THE DIMENSIONS SHOWN ARE AS ACCURATE AS THE BASE BUILDING DOCUMENTS PERMIT. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY PRIOR TO THE COMMENCEMENT OF WORK. DO NOT SCALE DRAWINGS - USE DIMENSIONS ONLY. LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALL. IF DIMENSIONS ARE NOT DESIGNATED ON THE PLANS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THEM WITH THE ARCHITECT.

6. COMPLY AT ALL TIMES WITH REQUIREMENTS OF THE LATEST EDITION OF THE FLORIDA BUILDING CODE, LIFE AND SAFETY CODE (NFPA 101) AND ALL LOCAL CODES AND ORDINANCES.

7. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT ONE COPY ON REPRODUCIBLE MEDIA AND FOUR (4) HARD COPIES OF ALL REQUIRED SHOP DRAWINGS CALLED FOR ON THE DRAWINGS OR REQUIRED BY BUILDING OFFICIALS TO THE ARCHITECT IN SUFFICIENT TIME TO BE REVIEWED AND PROCESSED SO AS TO CAUSE NO TIME DELAY IN THE CONSTRUCTION SEQUENCE, PRIOR TO ORDERING OF ANY ITEM.

8. PROTECTION: THE CONTRACTOR SHALL PROTECT ADJACENT PARTS OF EXISTING BUILDINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION, AND BE LIABLE FOR SAME.

9. WORKMANSHIP: ALL MATERIALS AND EQUIPMENT SPECIFIED SHALL BE NEW AND ALL WORKMANSHIP SHALL BE FIRST CLASS FOLLOWING THE MANUFACTURER'S SPECIFICATIONS ALONG WITH THE BEST TRADE PRACTICES AND STANDARDS.

10. ALL WORK TO BE GUARANTEED AGAINST POOR WORKMANSHIP AND DEFECTS.

11. THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT (UNLESS OTHERWISE NOTED) REQUIRED FOR THE COMPLETION OF THE JOB IN ACCORDANCE WITH THESE DRAWINGS.

12. CLEAN UP ALL RUBBISH, REFUSE, SCRAP MATERIALS AND DEBRIS CAUSED BY THIS PROJECT AT THE END OF EACH DAY AND INSURE THAT THE SITE OF WORK SHALL PRESENT A NEAT, ORDERLY AND WORKMANLIKE APPEARANCE.

13. GENERAL CONTRACTOR SHALL PRESENT THE JOB TO THE OWNER FOR ACCEPTANCE, CLEANED AND READY FOR OCCUPANCY. ALL GLASS SHALL BE CLEANED AND POLISHED, FLOORS SWEEP, BROOM CLEAN, CARPETS VACUUMED, FIXTURES WASHED AND ALL LABELS REMOVED.

14. STORE MATERIALS IN A SAFE AND APPROVED LOCATION, COMPLY WITH ALL REGULATIONS GOVERNING THE NEIGHBORHOOD AS TO MINIMIZE INTERRUPTIONS AND/ OR INTERFERENCE WITH ANY OF THE SURROUNDING OPERATIONS.

15. ALL WOOD IN CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.

16. ALL WOOD BLOCKING, FRAMING, NAILERS & FINISHES SHALL BE FIRE-RETARDANT TREATED AS REQUIRED BY THE LATEST EDITION OF THE FLORIDA BUILDING CODE FOR THIS TYPE OF CONSTRUCTION.

PROJECT INFORMATION:

SCOPE OF WORK:

- NEW BUILDING CONSTRUCTION OF 8 STORY OPEN PARKING GARAGE AND VANILLA SPACE BUILDOUT FOR FUTURE RETAIL; STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE ALARM & SPRINKLERS SYSTEMS, EXTERIOR AND INTERIOR FINISHES.
- NEW SITE WORK, PAVING, DRAINAGE, SITE LIGHTING & LANDSCAPE.

ADDRESS:

321 NEBRASKA STREET  
HOLLYWOOD, FLORIDA 33019

LEGAL DESCRIPTION:

LOTS 10, 11, 12, 13, 14 AND 15, LESS THE WEST 12.81 FEET OF LOTS 11 THROUGH 14, BLOCK 11 OF "HOLLYWOOD BEACH FIRST ADDITION" ACCORDING TO PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.  
SAID LAND SITUATED IN THE CITY OF HOLLYWOOD, FLORIDA.

BUILDING CODES:

FLORIDA BUILDING CODE, 2010 ED  
(WITH BROWARD COUNTY AMENDMENTS 2012)  
FLORIDA BUILDING CODE, ACCESSIBILITY, 2010 ED  
NFPA LIFE SAFETY CODE, 2012 ED  
FLORIDA FIRE PREVENTION CODE, 5TH EDITION (2012)

JURISDICTION:

CITY OF HOLLYWOOD  
BROWARD COUNTY  
STATE OF FLORIDA

SITE INFORMATION:

1. ZONING:

CODE PROVISION:

GU

2. LAND USE DESIGNATION:

GOVERNMENT

3. LOT AREA:

22,327 S.F. (0.51 ACRES)

4. PARKING SPACES:

304 SPACES PROVIDED  
(6 STANDARD HANDICAP)  
(1 VAN HANDICAP)  
(1 RESERVED FOR COH PERSONNEL)

GREEN BUILDING CERTIFICATIONS:

GREEN PARKING COUNCIL - GREEN GARAGE CERTIFICATION

BUILDING INFORMATION:

1. EXISTING USE:

CODE PROVISION:

VACANT FIRE STATION

CODE REFERENCES:

FBC 2010 - 311 & NFPA 101 - CH. 42

2. PROPOSED USE:

S-2  
NEW OPEN GARAGE

3. TYPE OF CONSTRUCTION:

TYPE II-B  
(NEW 8 STORY - SPRINKLED)

FBC 2010 - TABLE 406.3.5 & 503 (NOTE b)

4. BUILDING AREA:

135,130 SQ. FT.

FBC 2010 - TABLE 503

5. FLOOR AREAS:

FIRST FLOOR: + 9,402 SF  
SECOND FLOOR: + 17,475 SF  
THIRD FLOOR: + 18,919 SF  
FOURTH FLOOR: + 18,919 SF  
FIFTH FLOOR: + 18,919 SF  
SIXTH FLOOR: + 18,919 SF  
SEVENTH FLOOR: + 18,919 SF  
ROOF LEVEL: + 14,258 SF  
+ 135,130 SF (TOTAL)

6. FIRE ALARM SYSTEM:

N/A

NFPA 101 - 423.5

7. FIRE SPRINKLER SYSTEM:

N/A

NFPA 101 - 423.5

8. FIRE PROTECTION:  
OCCUPANCY SEPARATION

F.B.C. 508.4

OCCUPANCIES

- A. STRUCTURAL FRAME
- B. INTERIOR BEARING WALLS
- C. EXTERIOR BEARING WALLS
- D. INTERIOR NON-BEARING WALLS
- E. EXTERIOR NON-BEARING WALLS
- F. FLOOR CONSTRUCTION
- G. ROOF CONSTRUCTION
- H. OCCUPANCY SEPARATION
- I. VERTICAL SHAFTS ELEVATOR
- J. TRASH DUMPSTER
- K. ELEVATOR MACHINE ROOM DOOR
- L. MECHANICAL/ ELEC. ROOM

REQUIRED (SPRINKLED)

- 0-HRS
- 0-HRS
- 1-HRS
- 0-HRS
- 1-HRS
- 0-HRS
- 1-HRS
- 1-HRS
- 1-HRS
- 1-HRS
- 3/4-HRS
- 1-HRS

PROVIDED (SPRINKLED)

- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HRS
- 2-HR
- 1 1/2-HRS
- 2-HRS

10. INTERIOR FINISHES REQUIREMENTS (NEW RETAIL - SPRINKLED):

NFPA 101 - TABLE A102.2

- A. INTERIOR WALL & CEILING FINISH MATERIAL (AT SPRINKLERED BUILDING)
- B. INTERIOR FLOOR FINISH (AT SPRINKLERED BUILDING)

CODE REQUIREMENT  
CLASS 'A', CLASS 'B'  
NFPA 101, 36.3.3.2  
FBC TABLE 803.5

PROVIDED  
CLASS 'A'

CLASS '1'

NOTE:

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

EXTERIOR WALL FIRE RESISTANCE RATING

BASED ON DISTANCE F.B.C. TABLE 602 GROUP 5-2, TYPE OF CONSTRUCTION II-B

	REQUIRED HRS	PROPOSED 2HRS
< 5'		
≥ 5' < 10'	HRS	2HRS
≥ 10' < 20'	NOT REQ'D (NOTE "d")	NOT APPLICABLE
≥ 20' < 30'	NOT REQ'D (NOTE "d")	NOT APPLICABLE
> 30'	NOT REQ'D (NOTE "d")	NOT APPLICABLE

FIRE SPRINKLERS

FULLY SPRINKLERED BUILDING

FIRE EXTINGUISHERS

PROVIDE & INSTALL ONE (1) FIRE EXTINGUISHER TYPE 2A-10BC, FOR EVERY 2500 SF OF AREA TAGGED AND WALL MOUNTED ON BRACKETS OR CABINETS AT 48" AFF. SEE LIFE-SAFETY FLOOR PLAN FOR PROPOSED 'FIRE EXTINGUISHER' LOCATIONS.

BUILDING INSULATION

- 1. EXTERIOR WALL ASSEMBLY @ (CONC. BLOCK WALL) R = 42
- 2. ROOF ASSEMBLY R = 30
- 3. GLASS SHADING COEFFICIENT (SEE DOOR/WINDOW SCHEDULE)
- 4. GLASS U-VALUE (SEE DOOR/WINDOW SCHEDULE)

SHOP DRAWING SCHEDULE

THE FOLLOWING IS A SCHEDULE OF THE 'ENGINEERED' SHOP DRAWINGS TO BE SUBMITTED BY THE GENERAL CONTRACTOR FOR THE REVIEW & APPROVAL OF THE ARCHITECT AND BUILDING DEPARTMENT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE OTHER REQUIRED SHOP DRAWINGS REQUIRED BY THE BUILDING DEPARTMENT AND ANY OTHER AUTHORITIES HAVING JURISDICTION PRIOR TO FABRICATION.

- A. HANDRAILS AND GUARDRAILS
- B. FIRE ALARM
- C. FIRE SPRINKLER SYSTEM
- D. STOREFRONT
- E. DOORS AND DOOR HARDWARE
- F. FIRE & EXTINGUISHERS/CABINETS
- G. SIGNS
- H. EXTERIOR LIGHTING
- I. EXIT AND EMERGENCY LIGHT FIXTURES
- J. ELEVATOR
- K. ELEVATOR MACHINE ROOM
- L. ROOF CANOPY
- M. ROOFING MEMBRANE SYSTEM
- N. STRUCTURAL FLOOR AND ROOF SYSTEMS

OCCUPANT LOAD CALCCS:

THE TOTAL TENANT AREA OCCUPANT LOAD CALCULATIONS ARE AS FOLLOWS: (AS PER F.B.C. 2010 TABLE 1004.1.1 & FFPC 2010 TABLE 7.3.1.2)

AREA OCCUPANCY	SQUARE FOOTAGE (GROSS)	OCCUPANT LOAD
FIRST FLOOR		
STORAGE (S-1)	1,812 S.F. / 300	6 OCC
GARAGE (S-2)	6,752 S.F. / 200	34 OCC
EQUIP. ROOMS	838 S.F. / 300	3 OCC
2ND FLOOR		
3RD FLOOR (S-2)	17,475 S.F. / 200	87 OCC
4TH FLOOR (S-2)	18,919 S.F. / 200	95 OCC
5TH FLOOR (S-2)	18,919 S.F. / 200	95 OCC
6TH FLOOR (S-2)	18,919 S.F. / 200	95 OCC
7TH FLOOR (S-2)	18,919 S.F. / 200	95 OCC
ROOF FLOOR (S-2)	14,258 S.F. / 200	72 OCC
TOTAL OCCUPANT LOAD=		677 OCCUPANTS

FIRE FLOW INFORMATION :

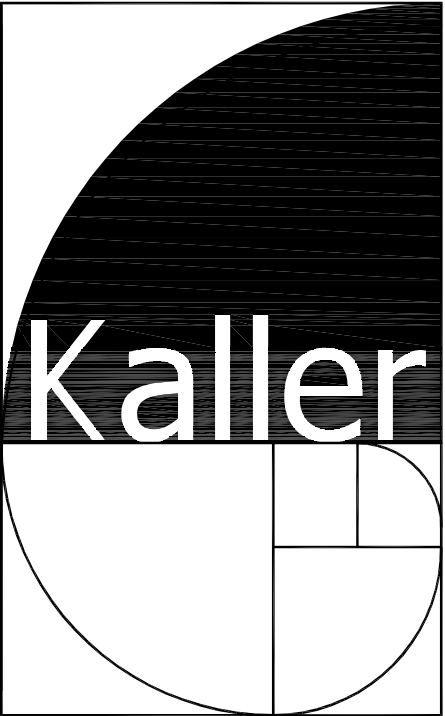
- TYPE OF CONSTRUCTION:
- FIRE FLOW AREA:
- MINIMUM REQUIRED FIRE FLOW:

CODE PROVISION:

- TYPE II (222)
- 18,919 X 3 = 56,757 SF
- 2,500 GPM

CODE REFERENCES:

- NFPA 220 - 2012 ed. TABLE 4.1.1
- NFPA 1 - 2012 ed. 18.4.4.1
- NFPA 1 - 2012 ed. TABLE 18.4.5.1.2



JOSEPH B. KALLER  
&  
ASSOCIATES, P.A.

AA# 26001212  
2417 Hollywood Blvd., Hollywood, Florida 33020  
P(954) 920 5746 phone • F(954) 926 2841  
kaller@kallerarchitects.com

SEAL

JOSEPH B. KALLER  
FLORIDA R.A. # 0009239



4902 Eisenhower Boulevard  
Suite 281  
Tampa, FL 33634  
813.888.5800 Ph.  
813.888.5822 Fax  
BE-0003840

PROJECT TITLE  
NEBRASKA GARAGE

SHEET TITLE  
PROJECT INFO

REVISIONS

No.	DATE	DESCRIPTION
1	04/04/16	CITY COMMENTS
3	11/16/16	TAC REVISION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

PROJECT No.: 14221  
DATE: 01-27-15  
DRAWN BY: GMV  
CHECKED BY: JBK

SHEET

















T-2

## ALTA/ACSM LAND TITLE SURVEY

DESCRIPTION:

LOTS 10, 11, 12, 13, 14 AND 15, LESS THE WEST 12.81 FEET OF LOTS 11 THROUGH 14, BLOCK 11 OF "HOLLYWOOD BEACH FIRST ADDITION" ACCORDING TO PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.  
SAID LAND SITUATED IN THE CITY OF HOLLYWOOD, FLORIDA.

### LEGEND

- |   |                       |
|---|-----------------------|
|  | GATE VALVE            |
|  | WATER METER           |
|  | FIRE HYDRANT ASSEMBLY |
|  | MANHOLE - SEE SURVEY  |
|  | CB                    |
|  | WOOD POWER POLE       |
|  | CONCRETE POWER POLE   |
|  | ANCHOR/GUY WIRE       |
|  | CONCRETE LIGHT POLE   |
|  | ELECTRIC BOX          |
|  | PULL BOX              |
|  | TRAFFIC SIGN POST     |
|  | CLEANOUT              |
|  | ELEVATION             |
|  | BOLLARD               |
|  | OFFICIAL RECORDS BOOK |

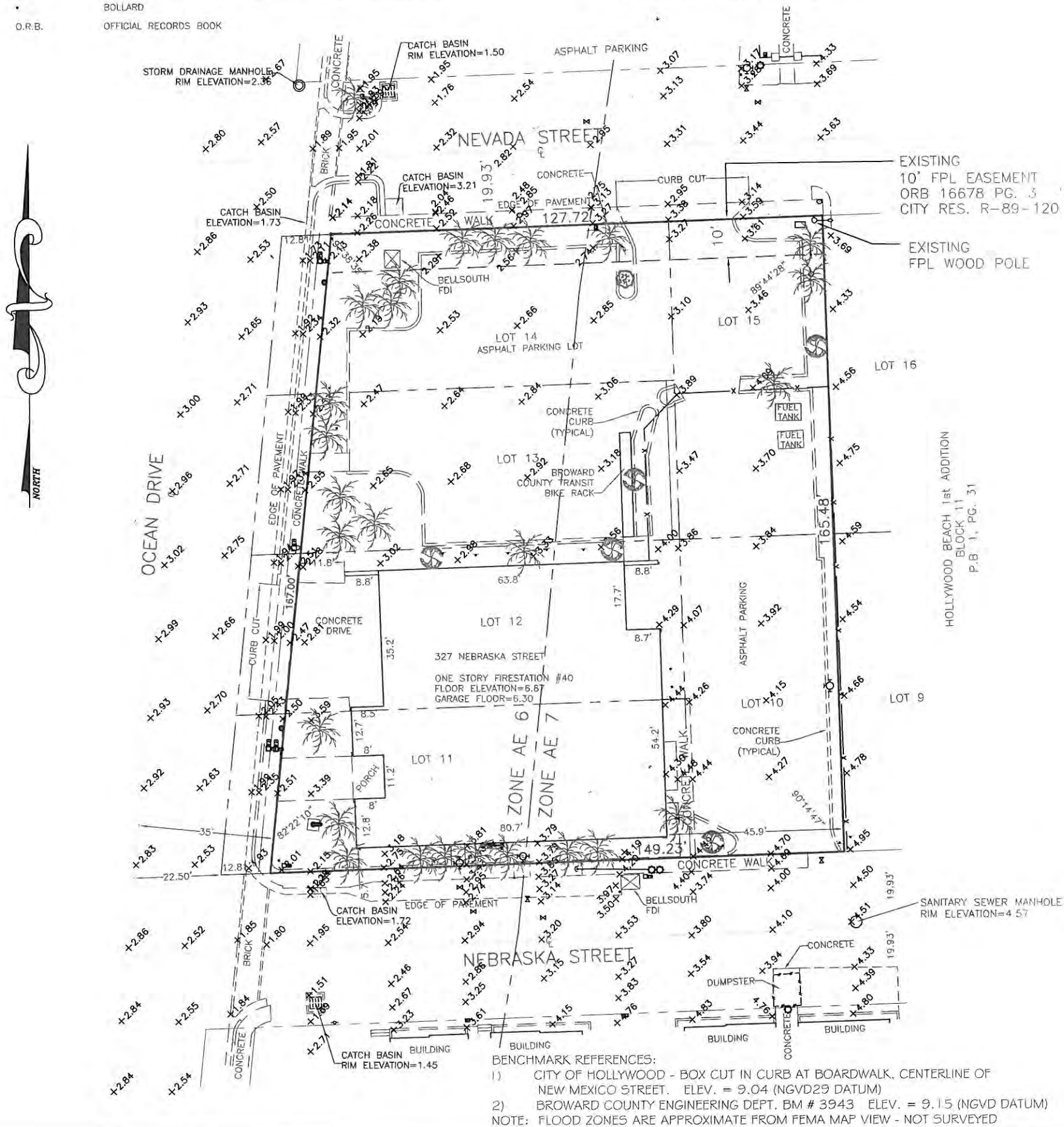
- |   |   |
|---|---|
| TREE - SPECIES VARIES - SEE SURVEY      |   |
| PALM TREE - SPECIES VARIES - SEE SURVEY |   |
| FLAG POLE                               |   |
| METAL LIGHT POLE                        | 5 |
| SIGNAL POLE                             | 1 |
| BUSH                                    |   |
| RIGHT-OF-WAY LINE                       | 2 |
| CENTERLINE WITH STATIONS                | 3 |
| CHAIN LINK FENCE                        | 4 |
| WOOD FENCE                              |   |
| BUILDING LINE                           |   |
| CONCRETE WALL                           | 5 |

TITLE SEARCH REPORT:  
ATTORNEYS TITLE FUND SERVICES, LLC  
FUND FILE NO. 10-2014-130472

PROPERTY ZONING: R-6A PER O.R.B. 7489 PG. 390,  
O.R.B. 14022 PG. 900,  
O.R.B. 14066 PG. 956

SUMMARY OF EXCEPTIONS, RESTRICTIONS & EASEMENTS:

1. ALL MATTERS CONTAINED ON THE PLAT OF HOLLYWOOD BEACH FIRST ADDITION - SHOWN HEREON
2. F.P.E. EASEMENT O.R.B. 16678, PG. 3 - SHOWN HEREON
3. O.R.B. 32599, PG. 1510 - DOES NOT AFFECT THIS PROPERTY
4. O.R.B. 7489, PG. 390 - ZONING CHANGE;  
O.R.B. 14022, PG. 900 - LAND USE CHANGE  
O.R.B. 14066, PG. 956 - DOES NOT AFFECT THIS PROPERTY
5. UNRECORDED LEASE RIGHTS



FEMA FLOOD INSURANCE RATE MAP							COMMUNITY NO.		NOTES		NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.	
CITY OF HOLLYWOOD BROWARD COUNTY, FLORIDA							125113					
PANEL NO.	SUFFIX	ZONE	FIRM DATE	BASE ELEV.	LOWEST FLR. ELEV	AVG. GRD.	1) THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT, EASEMENTS AND RIGHTS-OF-WAY PER RECORD PLAT HAVE BEEN SHOWN HEREON, NO FURTHER SEARCH FOR MATTERS OF RECORD HAS BEEN MADE BY THIS FIRM, THIS SURVEY IS PREPARED FOR THE SOLE AND EXCLUSIVE USE OF THE PARTIES AS SURVEYED FOR AND AS CERTIFIED TO AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL. 2) ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. 3) NORTH ARROW RELATIVE TO ASSUMED N88°00'04"E ALONG THE CENTERLINE OF NEBRASKA STREET. 4) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY.					
Q588	H		8-18-14									
REVISION				DATE	BY	BOUNDARY AND TOPOGRAPHIC SURVEY			STEPHEN K. SEELEY, FOR THE FIRM PROFESSIONAL SURVEYOR & MAPPER FLORIDA REGISTRATION NO. 4574			
				JOB #:5966	DATE:06/05/14	GIBBS LAND SURVEYORS 2131 HOLLYWOOD BOULEVARD, SUITE 204 HOLLYWOOD, FL 33020 (954) 923-7666 LICENSED BUSINESS NO. 7018						
				SCALE: 1"=30'	FILE No.:							
				DRAWN BY:CM	CHECKED BY: SKS							





# 1 AERIAL

SCALE: NTS



## LEGAL DESCRIPTION

LOTS 10, 11, 12, 13, 14 AND 15, LESS THE WEST 12.81 FEET OF LOTS 11 THROUGH 14, BLOCK 11 OF "HOLLYWOOD BEACH FIRST ADDITION" ACCORDING TO PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 31, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.  
SAID LAND SITUATED IN THE CITY OF HOLLYWOOD, FLORIDA.

## PROPERTY ADDRESSES

327 NEBRASKA STREET  
HOLLYWOOD, FL 33019

## SITE INFORMATION

EXISTING ZONING: GU – GOVERNMENT  
EXISTING LAND USE: VACANT FIRE STATION  
NET LOT AREA: 22,922.0 SQUARE FEET (0.53 ACRES)

SETBACKS:  
THERE ARE NO REQUIRED SETBACKS PROVIDED (FOR INFORMATIONAL PURPOSES ONLY)  
FRONT 5'–0"  
SIDE STREET (NEVADA) 5'–2"  
SIDE STREET (NEBRASKA) 5'–4"  
REAR 0'–2"

MINIMUM PLOT SIZE:  
THERE ARE NO MINIMUM PLOT SIZE REQUIRED

TOTAL SITE COVERAGE:  
TO BE DETERMINED BY THE CITY COMMISSION UPON RECOMMENDATION OF THE PLANNING AND DEVELOPMENT BOARD.

PERVIOUS /IMPERVIOUS AREA:  
PERVIOUS AREA: 964 S.F. (4.16%)  
GROUND LEVEL  
IMPERVIOUS AREA: 21,968 S.F. (95.84%)  
INCLUDING PAVERS

## BUILDING SUMMARY

BUILDING HEIGHT:  
THERE ARE NO MAXIMUM BUILDING HEIGHTS PROVIDED  
(ADJACENT ZONING BRT-25-C & BRT-25-A1A-C: 50'-0" MAX ALLOWED) 76'–0"

BUILDING AREAS:  
FIRE PUMP ROOM 359 S.F.  
ELECTRIC ROOM 390 S.F.  
CCTV ROOM 91 S.F.  
STORAGE 1,812 S.F.  
TOILETS 295 S.F.  
TRASH ROOM 150 S.F.  
GARAGE AREA 128,542 S.F.  
ELEVATORS 1,591 S.F.  
STAIRWELL 2,500 S.F.  
TOTAL 135,730 S.F.

NUMBER OF PARKING SPACES PROVIDED:  
1ST FLOOR 22 SPACES  
2ND FLOOR 34 SPACES  
3RD FLOOR 46 SPACES  
4TH FLOOR 46 SPACES  
5TH FLOOR 46 SPACES  
6TH FLOOR 46 SPACES  
7TH FLOOR 46 SPACES  
ROOF 17 SPACES  
TOTAL 303 SPACES

TYPES OF PARKING SPACES PROVIDED:  
STANDARD SPACES 295 SPACES  
HC REGUALR ACCESSIBLE SPACES 6 SPACES  
HC VAN ACCESSIBLE SPACES 2 SPACES  
TOTAL 303 SPACES

RESERVED PARKING SPACES PROVIDED:  
RESERVED PARKING FOR COH STAFF 1 SPACE

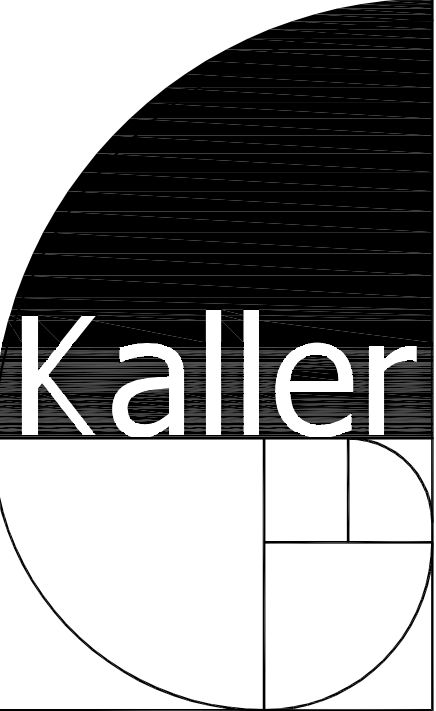
## 2 SITE DATA

VARIANCES	REQUIRED	PROVIDED
WHEELS STOPS	YES	NO
BUILDING HEIGHT	50'–0" MAX PER ADJACENT ZONING BRT–25–C & BRT–25–A1A–C	76'–0"
SIGNAGE	1 SQ FT. PER LINEAR FT. OF SIGNAGE BLDG FACE NORTH FACE = 124 S.F. ALLOWED SOUTH FACE = 126 S.F. ALLOWED	323.8 S.F. 383.4 S.F.

## SPECIAL EXCEPTION

PARKING GARAGE IN A GU– GOVERNMENT DISTRICT

## 2 SITE DATA CONT'D



JOSEPH B. KALLER  
&  
ASSOCIATES, P.A.  
AA# 26001212  
2417 Hollywood Blvd. Hollywood, Florida 33020  
P(954) 920 5746 phone - F(954) 926 2841  
kaller@kallerarchitects.com

### SEAL

JOSEPH B. KALLER  
FLORIDA R.A. # 00092239

**WALKER**  
PARKING CONSULTANTS  
4902 Eisenhower Boulevard  
Suite 281  
Tampa, FL 33634  
813.888.5800 Ph.  
813.888.5822 Fax  
BE-0003840

PROJECT TITLE  
NEBRASKA GARAGE

SHEET TITLE  
SITE DATA

REVISIONS		
NO.	DATE	DESCRIPTION
1	10/02/15	COMMENT REV.
3	11/16/16	TAC REVISION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

PROJECT No.: 12106  
DATE: 01-27-15  
DRAWN BY: JAIME  
CHECKED BY: JBK

### SHEET

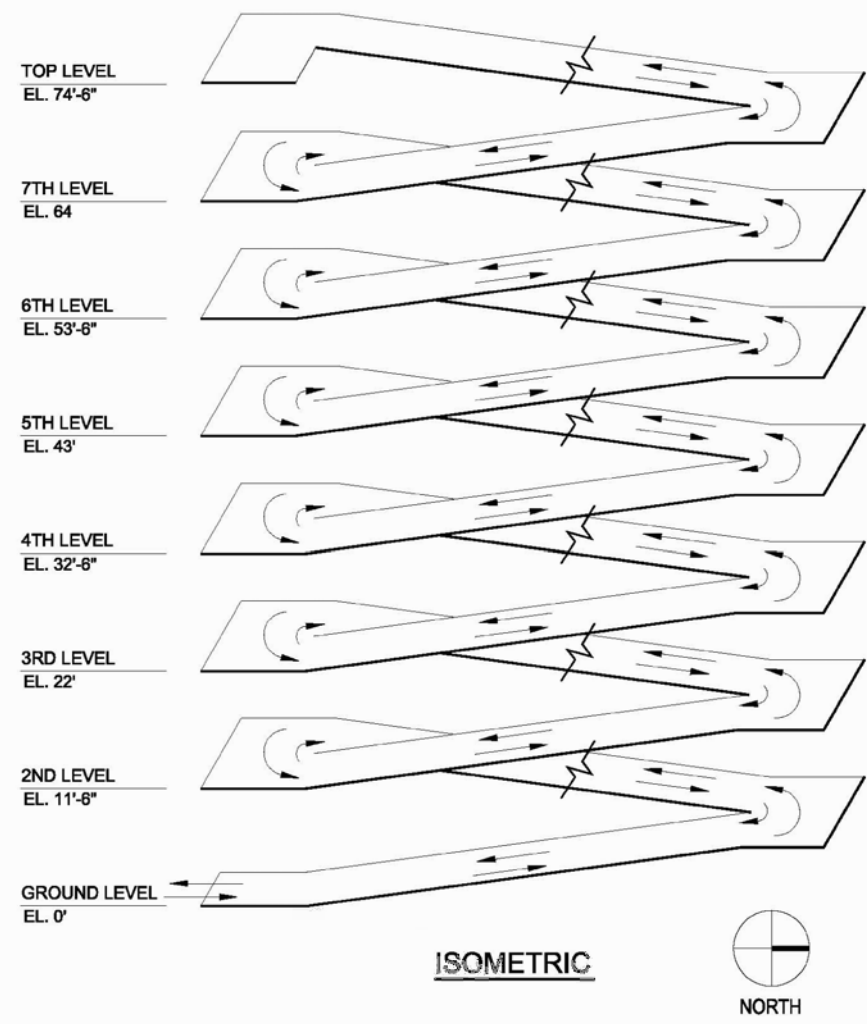
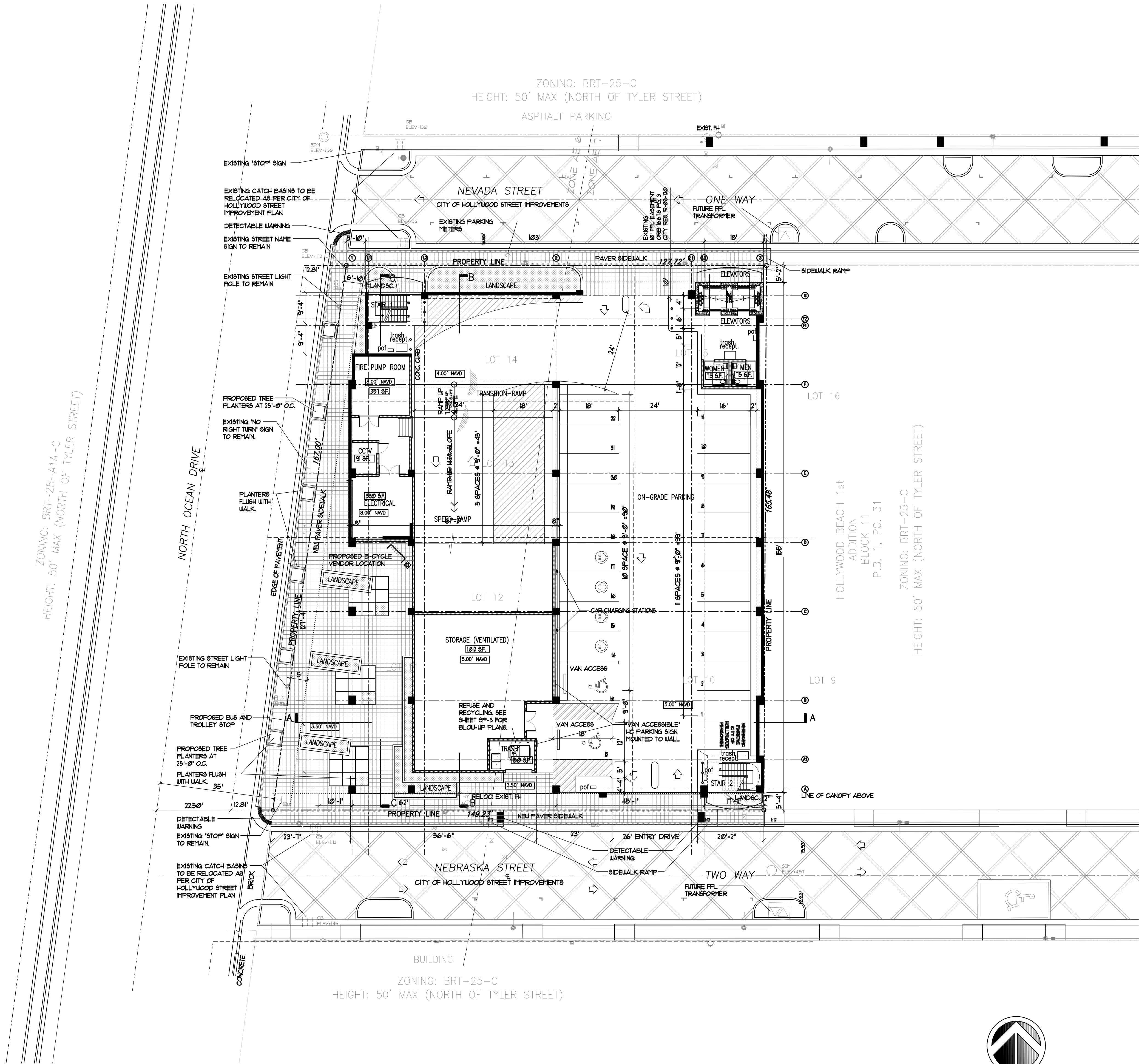
SP-O



JOSEPH B. KALLER & ASSOCIATES, P.A., ALL RIGHTS RESERVED © 2024

## 1 SITE PLAN

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



## 2 GARAGE ISOMETRIC

SCALE: 1" = 20'-0"

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

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

NOTE:  
ALL MACHINE ROOMS, ELECTRICAL, MECHANICAL AND OTHER EQUIPMENT WILL BE ABOVE THE REQUIRED FEMA BASE FLOOD 6'0".

FEMA NOTE:  
1. INFORMATION PROVIDED IS BASED ON NEW FIRMY MAPS DATED 08/18/2014.  
2. REFERENCE TO FEMA ELEVATIONS IS SHOWN PER THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).  
3. PROPERTY IS LOCATED IN FIRMY PANEL 12010C0528H UNDER ZONE 'AE' WITH ELEVATIONS 46.00' & 47.00' NAVD.

SITE LIGHTING NOTE:  
SITE LIGHTING LEVELS SHALL NOT EXCEED 05 FC AT THE PROPERTY LINE ADJACENT TO RESIDENTIALLY ZONED OR RESIDENTIALLY USED AREAS.

FIRE ALARM NOTE:  
A FIRE ALARM SYSTEM IS REQUIRED AS PER FF.P.C. 2010 NFPA 101.

ALL MECHANICAL EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW.

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

GREEN BUILDING CERTIFICATION TO BE ACHIEVED.

ART INSTALLATION PANEL NOTE:  
DESIGNS FOR ART INSTALLATION PANEL SHALL BE SUBMITTED AT A LATER DATE FOR APPROVAL FROM BOARD/COMMISSION.

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

STRUCTURE CATEGORY	CATEGORY II	
ELEVATION BELOW WHICH FLOOD-DAMAGE-RESISTANT MATERIALS SHALL BE USED (TABLE 5-1)	BFE +1 OR DFE WHICHEVER IS HIGHER	+8.00' N.A.V.D.
DRY FLOOD PROOFING OF NON-RESIDENTIAL STRUCTURES (TABLE 6-1)	BFE +1 OR DFE WHICHEVER IS HIGHER	+8.00' N.A.V.D.

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

PROJECT No.: 12106  
DATE: 01-27-15  
DRAWN BY: JAIME  
CHECKED BY: JBK

SHEET

SP-1



JOSEPH B. KALLER  
&  
ASSOCIATES, P.A.

AA# 26001212  
2417 Hollywood Blvd., Hollywood, Florida 33020  
P(954) 920 5746 phone • F(954) 926 2841  
kaller@kallerarchitects.com

SEAL

JOSEPH B. KALLER  
FLORIDA R.A. # 00092239



4902 Eisenhower Boulevard  
Suite 281  
Tampa, FL 33634  
813.888.5800 Ph.  
813.888.5822 Fax  
BE-0003840

PROJECT TITLE  
NEBRASKA GARAGE

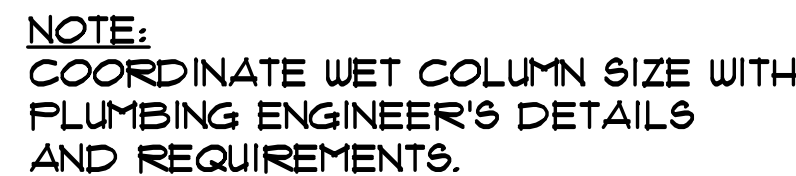
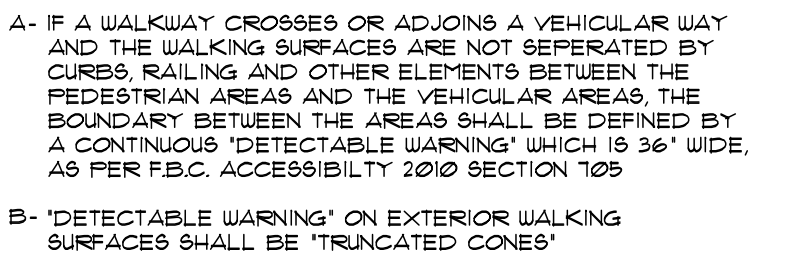
SHEET TITLE  
SITE PLAN

REVISIONS		
No.	DATE	DESCRIPTION
1	10/02/15	COMMENTS REV.
3	11/16/16	TAC REVISION
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.

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

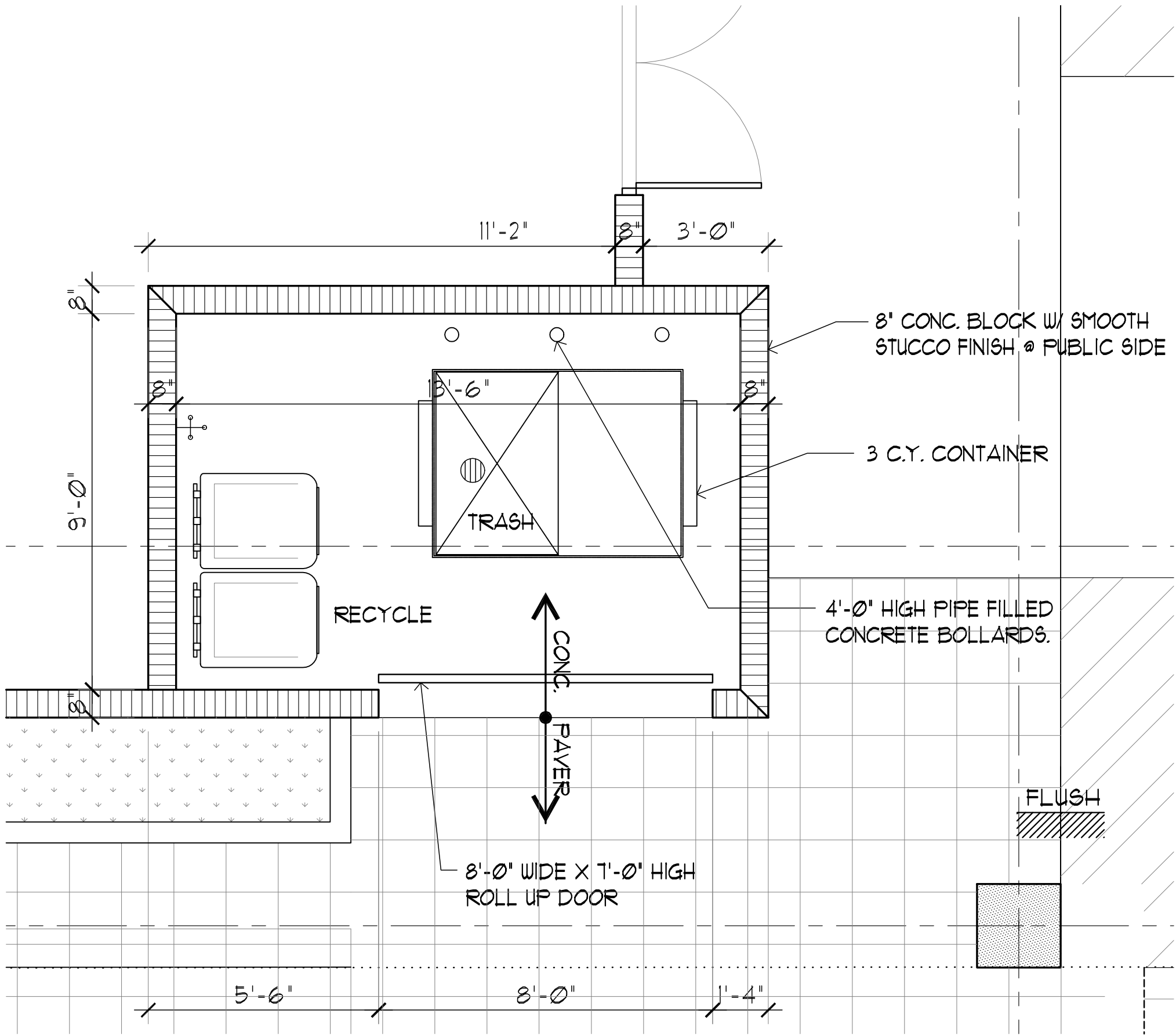


OUTDOOR CONDITIONS -  
OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON

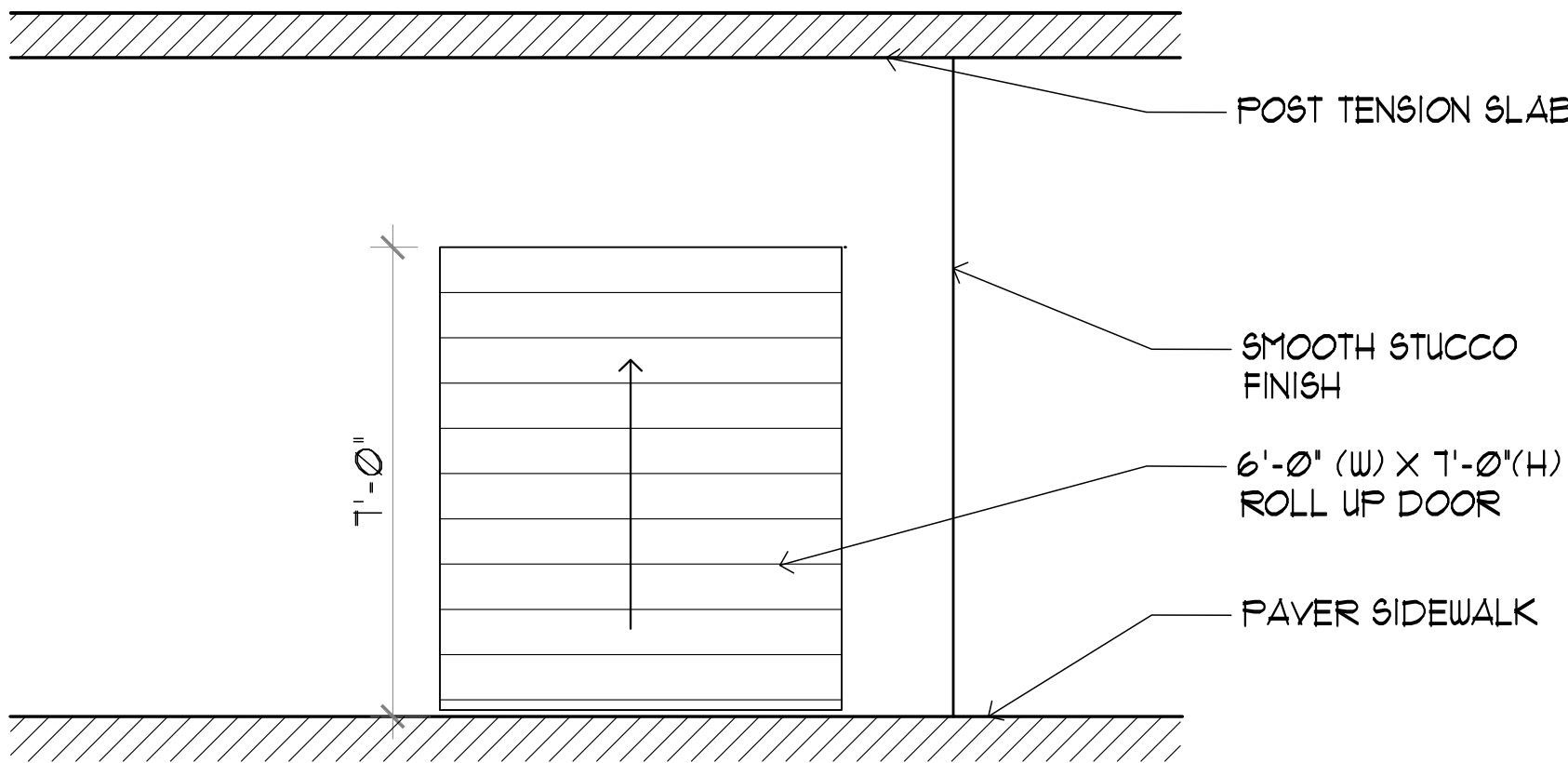


## 12 | NOT USED

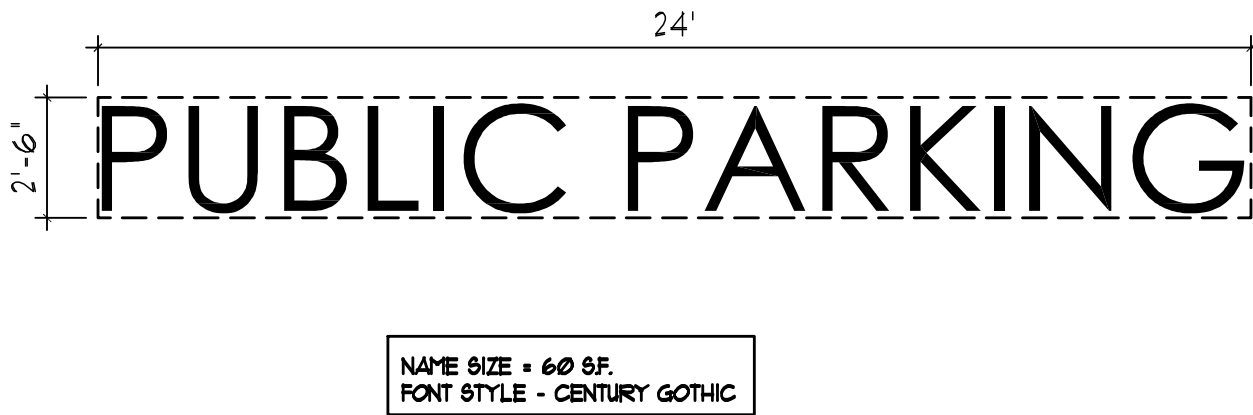
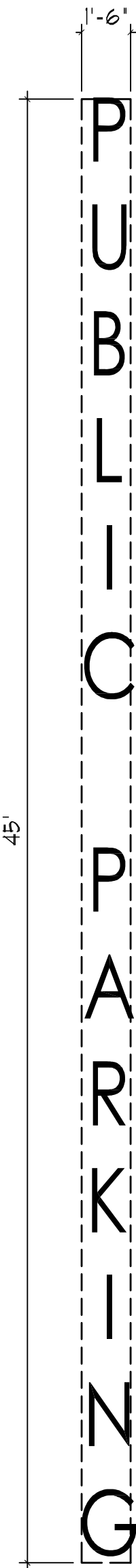
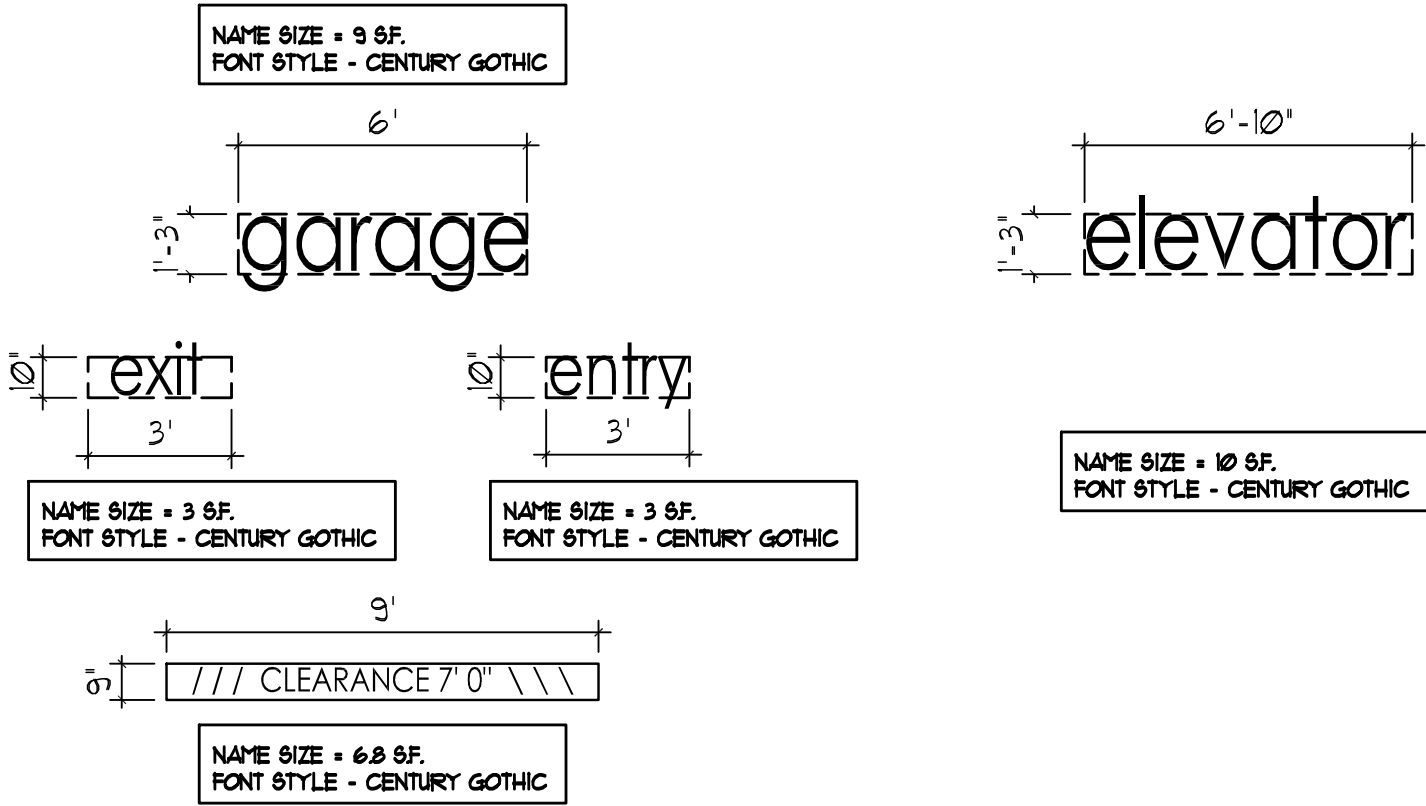
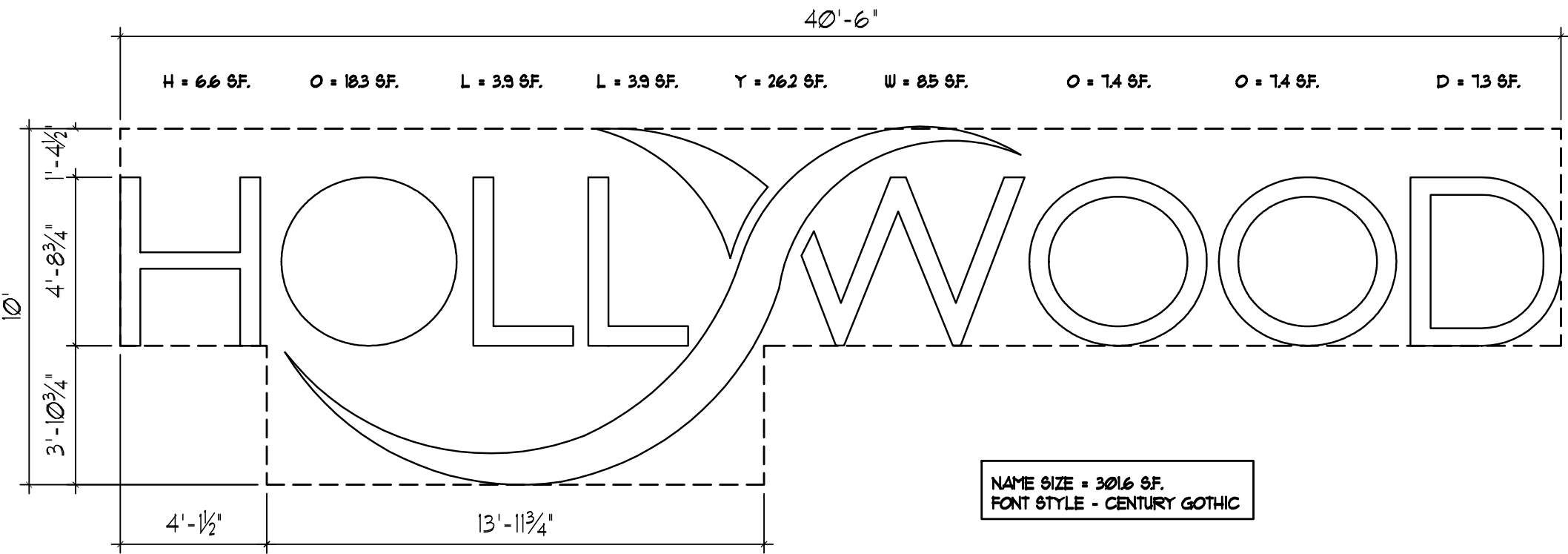




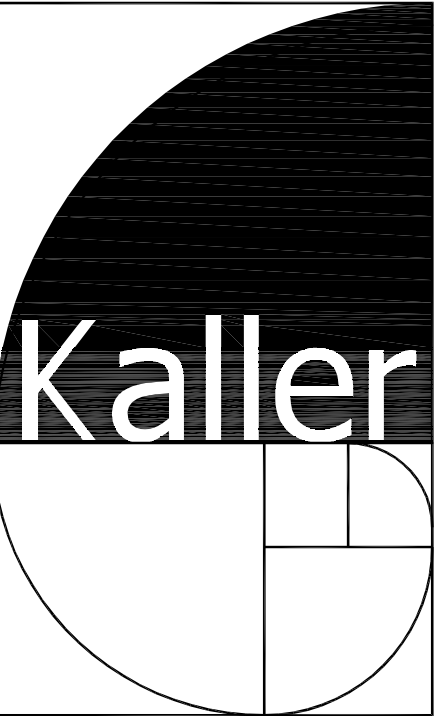
FLOOR PLAN



SOUTH ELEVATION



- ALL SIGNAGE TO BE NEON BACK LIT PIN MOUNTED CHANNEL LETTERS
- ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD ZONING AND LAND DEVELOPMENT CODE BASED ON THE BRT-25-C ZONING DISTRICT.
- NOTE:  
A SEPARATE SIGN PERMIT IS REQUIRED FOR EACH SIGN.  
A SEPARATE ELECTRICAL PERMIT IS REQUIRED FOR SIGNS REQUIRING ILLUMINATION.
- TURTLE LIGHTING ORDINANCE  
PROJECT SHALL ADHERE TO THE NEW DEVELOPMENT LIGHTING STANDARDS OF CHAPER 108 'LIGHTING REQUIREMENTS FOR MARINE TURTLE PROTECTION' OF THE CITY OF HOLLYWOOD CODE OF ORDINANCE.



JOSEPH B. KALLER  
&  
ASSOCIATES, P.A.  
AA# 26001212  
2417 Hollywood Blvd. Hollywood, Florida 33020  
P(954) 920 5746 phone - F(954) 926 2841  
kaller@kallerarchitects.com

SEAL

JOSEPH B. KALLER  
FLORIDA R.A. # 0009239

**WALKER**  
PARKING CONSULTANTS  
4902 Eisenhower Boulevard  
Suite 281  
Tampa, FL 33634  
813.888.5800 Ph.  
813.888.5822 Fax  
BE-0003840

PROJECT TITLE  
NEBRASKA GARAGE

SHEET TITLE  
SIGNS  
TRASH ROOM

REVISIONS		
No.	DATE	DESCRIPTION
1	10/02/15	COMMENT REV.
3	11/16/16	TAC REVISION

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

PROJECT No.: 12106  
DATE: 01-27-15  
DRAWN BY: JAIME  
CHECKED BY: JBK

SHEET

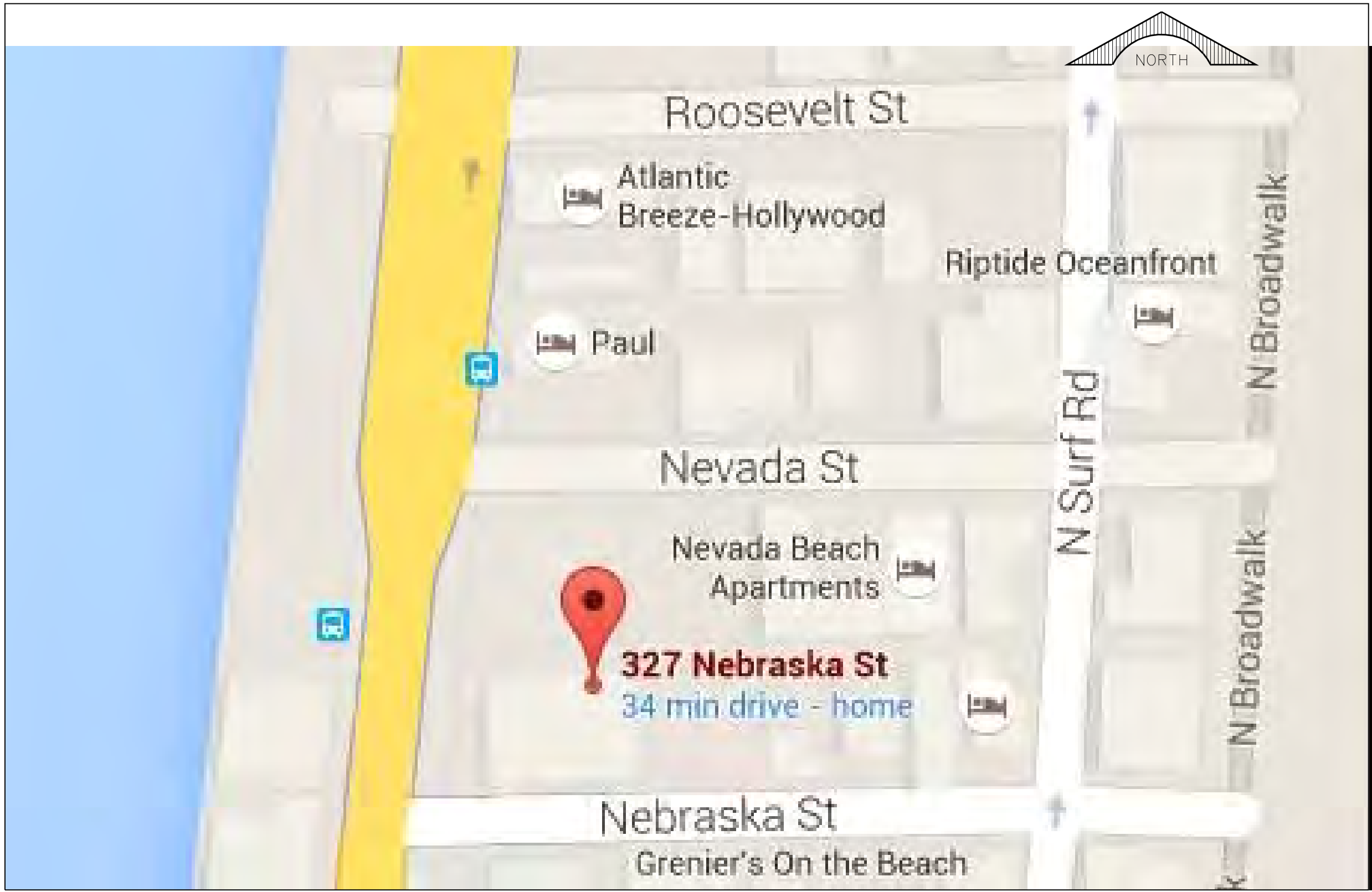
SP-3



# NEBRASKA GARAGE

## 327 NEBRASKA STREET HOLLYWOOD, FLORIDA

# CIVIL ENGINEERING PLANS

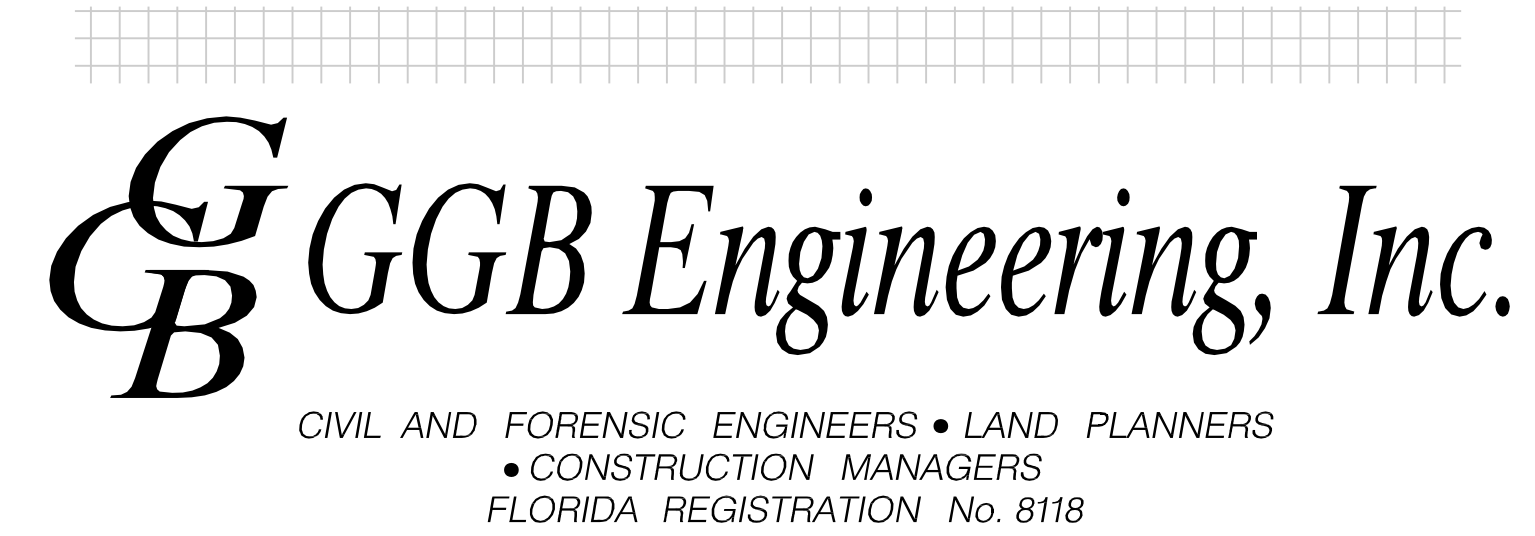


LOCATION MAP  
N.T.S.

SHEET NO.	TITLE
1	COVER SHEET
2	PAVING, GRADING & DRAINAGE PLAN
3	WATER & SEWER PLAN
4 – 5B	CONSTRUCTION DETAILS
6 – 8	STORMWATER POLLUTION PREVENTION PLAN

APPROVALS		
AGENCY	APPROVAL DATE	PERMIT NUMBER

DRAWINGS MAY BE OUT OF SCALE DUE TO XEROX REPRODUCTION ERROR.



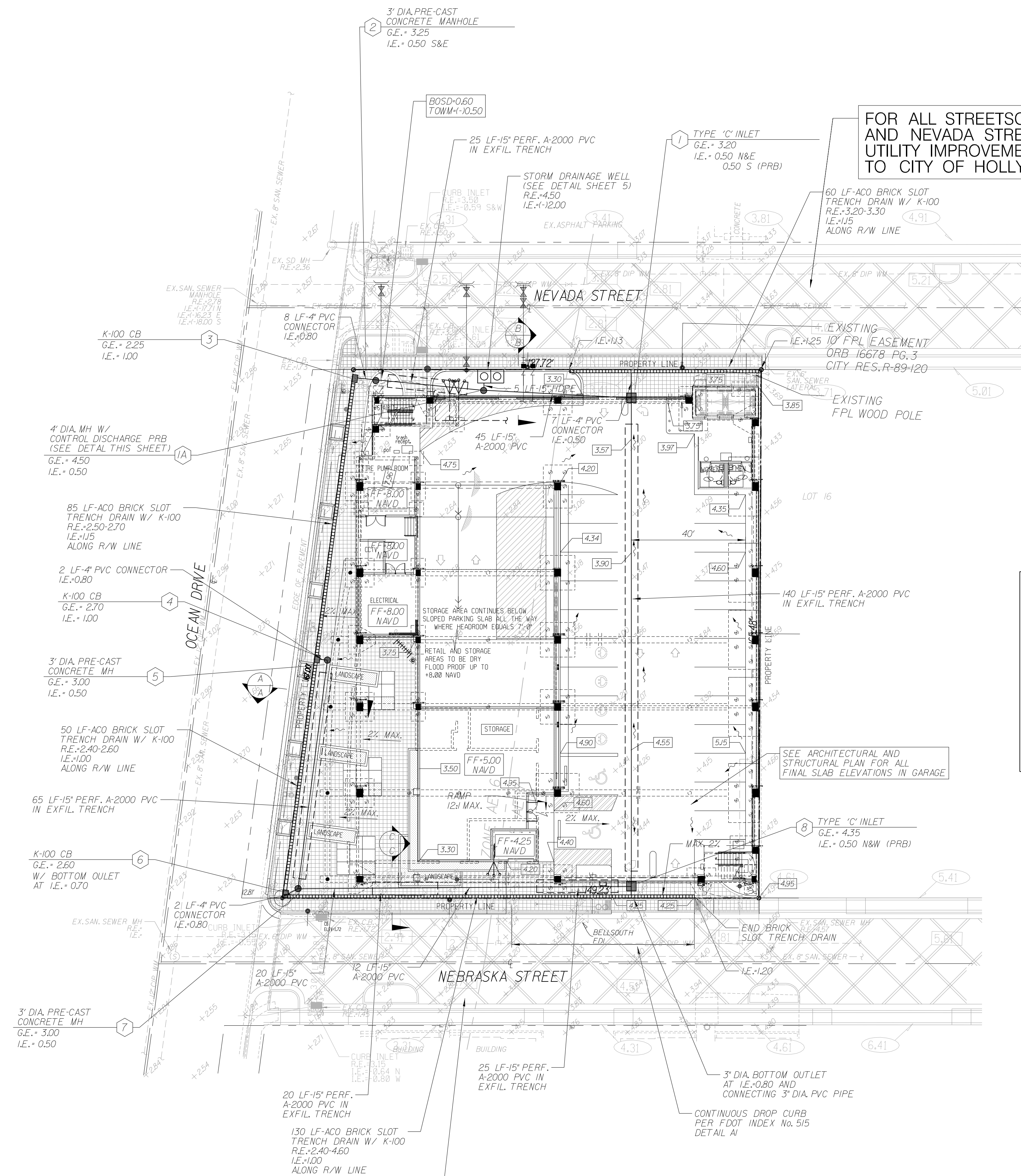
**GGB Engineering, Inc.**  
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS  
• CONSTRUCTION MANAGERS  
FLORIDA REGISTRATION No. 8118

2699 Stirling Road, Suite C-202 Phone: (954) 986-9899  
Fort Lauderdale, Florida 33312 Fax: (954) 986-6655

PROJECT No. 14-0608  
DESIGN DATE: May 2015

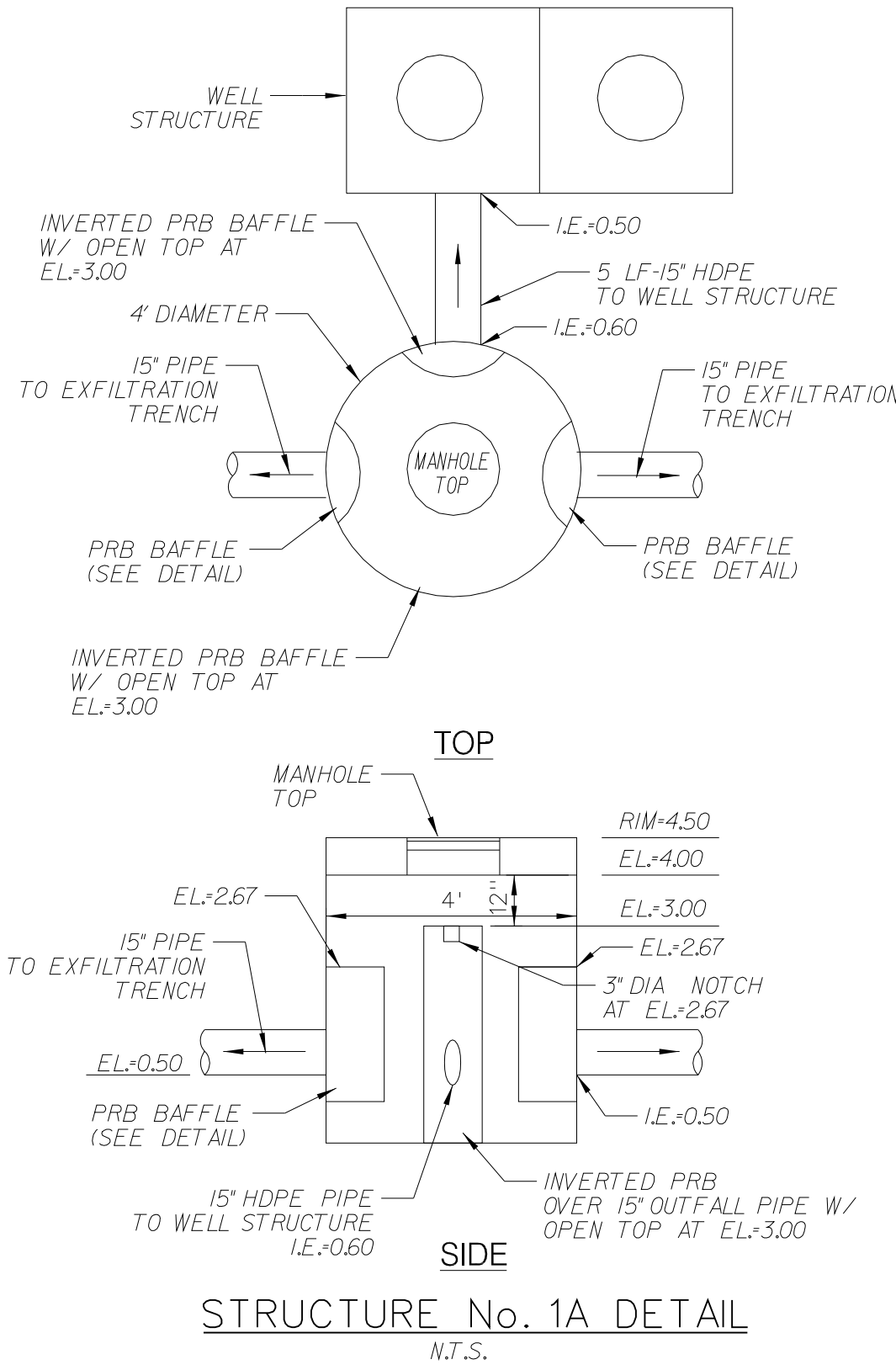
GARY G. BLOOM, P.E.  
FLA. LIC. No. 19832  
NOT VALID UNLESS SIGNED  
AND SEALED BY ENGINEER





FOR ALL STREETSCAPE AND NEVADA STREET PGD AND UTILITY IMPROVEMENTS, REFER TO CITY OF HOLLYWOOD PLANS

FOR ALL STREETSCAPE AND NEBRASKA STREET PGD AND UTILITY IMPROVEMENTS, REFER TO CITY OF HOLLYWOOD PLANS



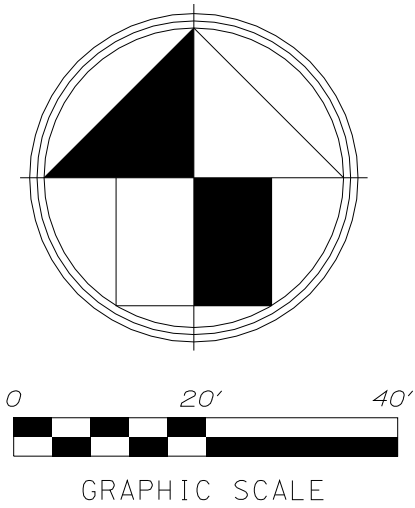
LEGEND	
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
→	DIRECTION OF OVERLAND FLOW
F.F. +	FINISHED FLOOR ELEVATION (SEE PLAN)
---	EXISTING OR FUTURE UTILITIES
3.50	PROPOSED FINISHED CONCRETE OR S/W GRADE
+3.44	EXISTING GRADE

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

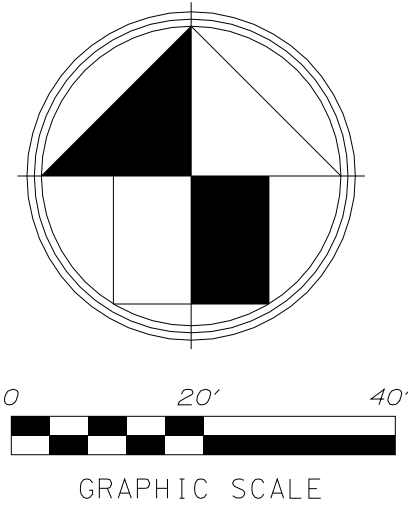
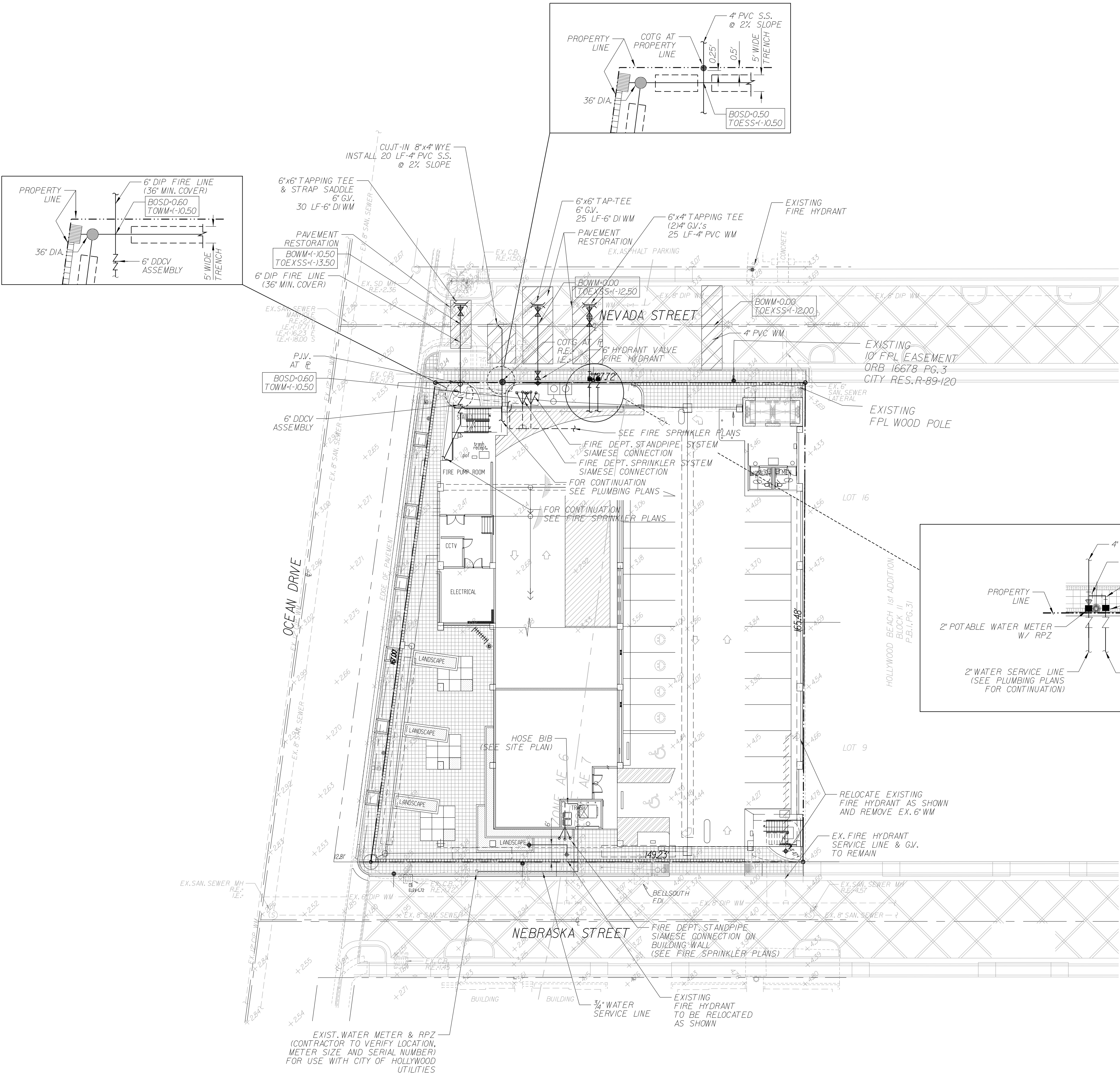
NOTE:  
ALL PROPOSED STORM PIPING TO BE A-2000 PVC PIPING.

NOTE:  
ALL PROPOSED CLEANOUT TO GRADE (COTG) TO HAVE TRAFFIC BEARING LID.

NOTE:  
ALL PROPOSED BUILDING IS TO BE DRY FLOOD-PROOFED TO 8.00' NAVD ELEVATION IN ACCORDANCE WITH FLORIDA BUILDING CODE AND ASCE 24 STANDARDS.



REVISIONS:		1. 3/20/16 REV PER CITY OF HOLLYWOOD
		2. 10/17/16 REV PER CLIENT
		3.
		4.
		5.
		6.
		7.
		8.
CLIENT:		<b>Kaller Architects</b> 2417 Hollywood Boulevard Hollywood, Florida 33020-6605 (954) 920-5746
PROJECT:	NEBRASKA GARAGE	FLORIDA
	HOLLYWOOD	PAVING, GRADING AND DRAINAGE PLAN
		<b>GGB Engineering, Inc.</b> CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS • CONSTRUCTION MANAGERS FLORIDA REGISTRATION No. 818 2699 Stirling Road, Suite C-202 Fort Lauderdale, Florida 33312 Phone: (954) 986-9899 Fax: (954) 866-8655
		DATE: May 2015 DESIGNED BY: G.C.B. PROJECT NO.: 14-0608 SHEET 2 OF 8 SCALE: 1"=10' DRAWN BY: F.M.
GARY G. BLOOM, P.E. FLA LIC No. 19832 NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER		



**WATER LEGEND**

- DOUBLE WATER METER SERVICE
- SINGLE WATER METER SERVICE
- LENGTH, SIZE & TYPE OF WATER MAIN
- FIRE HYDRANT, GATE VALVE & TEE ASSEMBLY
- PROPOSED GATE VALVE
- BACTERIOLOGICAL SAMPLING POINT
- EXISTING OR FUTURE UTILITIES
- D.I.P. PIPE

**SEWER LEGEND**

- R.E. RIM ELEVATION
- I.E. INVERT ELEVATION
- MANHOLE DESIGNATION
- LENGTH & SLOPE OF PIPE
- DOUBLE SEWER LATERAL
- SINGLE SEWER LATERAL
- EXISTING OR FUTURE UTILITIES
- CLEAN OUT TO GRADE
- D.I.P. PIPE

- WATER & SEWER UTILITY NOTES:**
- FIRE LINE TO BE C53 D.I.P. WITH POLY-WRAP, OR PVC DR-14 WITH 200 PSIRATING.
  - 2" NIBCO-SCOTT T-133 GATE VALVE (G.V.) REQUIRED FOR ALL NEW 2" WATER SERVICE LINES
  - CONTRACTOR TO FIELD VERIFY SIZE OF EXISTING LATERALS. 6" SEWER LATERAL CHANGE-OUT CAN BE PROVIDED IF EXISTING LINES ARE NOT SIZED AS INDICATED.
  - PAVEMENT RESTORATION PER MINIMUM CITY OF HOLLYWOOD STANDARDS AND REQUIREMENTS.

REVISIONS:  
1. 3/20/16 REV. PER CITY OF HOLLYWOOD  
2. 10/27/16 REV. PER CLIENT  
3.  
4.  
5.  
6.  
7.  
8.

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

PROJECT:  
**NEBRASKA GARAGE**  
**HOLLYWOOD**  
**FLORIDA**

TASK:  
**WATER AND SEWER 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) 986-8655

DATE: May 2015  
DESIGNED BY: G.C.B.  
PROJECT NO. 14-0608  
SHEET 3 OF 8  
SCALE: 1"=10'  
DRAWN BY: F.M.

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 WILL INTERFERE WITH THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY. WORK STARTED WITHIN FIVE WORKING DAYS AFTER ALL UNDERGROUND UTILITIES HAVE BEEN IDENTIFIED. THE NOTIFICATION NUMBER IS A ONE CALL SYSTEM STATEWIDE AT (800) 432-4770. FAILURE TO COMPLY COULD RESULT IN FINES AND DAMAGES.

UNIVERSAL COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

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

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

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

4. ALL ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.

5. THE CONTRACTOR SHALL SUBMIT THREE (3) SETS OF SHOP DRAWINGS FOR APPROVAL TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR CONSTRUCTION FOR ALL MATERIALS USED ON THE PROJECT. APPROVED SHOP DRAWINGS FROM THE ENGINEER SHALL THEN BE SUBMITTED TO CITY OF HOLLYWOOD FOR THEIR APPROVAL. NO CONSTRUCTION SHALL COMMENCE UNTIL THE APPROVED SHOP DRAWINGS HAVE BEEN OBTAINED BY THE CONTRACTOR FROM THE ENGINEER.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF EXISTING PAVEMENT, PIPES, CONDUITS, CABLES, ETC., AND LANDSCAPED AREAS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY.

7. THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN THE AREA AND ANY OTHER UNDERGROUND CONDUIT REQUIRED FOR FPL, BELL SOUTH, BRIGATION 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 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 DEVICES 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 CONSTRUCTION ON-ON-SITE PAVEMENT MARKINGS SHALL BE REFLECTORIZED PANT.

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.

DRAINAGE STRUCTURES

FOR MANHOLE USE US FOUNDRY FRAME AND COVER, DRAWING NO. 465 (OR APPROVED EQUAL) COVER TO BE MARKED "STORM SEWER"

ADJUST TO GRADE WITH MIN. OF 6" AND MAX. OF 12" BRICK MASONRY. (TYP)

FOR CATCH BASIN USE U.S. FOUNDRY FRAME AND GRATE, DRAWING NO. 5155-6224 CURB TYPE (OR APPROVED EQUAL)

#5 @ 12" C/C (BOTH WAYS) (TYP)

APPROVED CONST. JOINT PERMITTED

#4 @ 12" C/C (BOTH WAYS)

2-1/2" CL. (TYP)

6" (4'-8" MAX INSIDE DIM) 8" OVER 4'-8" INSIDE DIM

#4 @ 12" C/C

APPROVED CONST. JOINT PERMITTED

SEE TABLE

6" WEEP HOLE

30" MIN. SLUMP

#4 @ 9" CTRS. (BOTH WAYS)

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"

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 SHALL 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 LIME/ROCK, 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 CLEARED 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 LIME/ROCK 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 LIME/ROCK 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" (100%) 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
SOP	• SLOTTED CONCRETE PIPE, FDOT SECTIONS 941 AND 942.
PVC	• POLYVINYLCHLORIDE PIPE
PCMP	• PERFORATED CMP, FDOT SECTION 945
DIP	• DUCTILE IRON PIPE
HDPE	• SMOOTH LINED HIGH DENSITY POLYETHYLENE, AASHTO M 294 TYPE S

16. ASPHALTIC CONCRETE TYPE S-II 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" 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 RAMP, STAIRS, 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 1, 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, HANCOX SURE-LOK OR APPROVED EQUAL.

BRACKET DETAIL

NOTE 4

NOTE 5

NOTE 6

NOTE 1: CONTRACTOR TO VERIFY THAT BAFFLE WILL FIT STRUCTURE

NOTE 2: DEBRIS BAFFLE REQUIRED AT CATCH BASIN. CONNECTED DIRECTLY TO PROPOSED CURB

NOTE 3: PROVIDE NEOPRENE GASKET SIDES AND TOP

NOTE 4: SECTION OF A-CMP, CUT IN HALF OR EQUIVALENT PREPARED (TYPED) BAFFLE DIAMETER TO BE AS PER TABLE

NOTE 5: 1/2" GALVANIZED LAG BOLT IN LEAD SHEILD

NOTE 6: WELD OR 2-1/4" THRU BOLTS

SEE BAFFLE DETAIL

D = PIPE DIAMETER

MIN. LUG PLATE TO BE WELDED TO TOP OF BAFFLE

ALUMINUM CORRUGATED METAL PIPE, CUT IN HALF OR PREPARED (TYPED) BAFFLE BOTTOM OF BAFFLE EL. - 0.00

2" MIN. OR AS NOTED ON THE PLAN

12% STAINLESS STEEL ANCHOR BOLT AND NUT

3"x1/8" ANGLE

PIPE SEE DRAWINGS

3"x1/8" ANGLE

POLLUTION RETARDANT BASIN DEBRIS BAFFLE DETAIL

TABLE 1

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

BRACKET DETAIL

NOTE 4

NOTE 5

NOTE 6

NOTE 1: CONTRACTOR TO VERIFY THAT BAFFLE WILL FIT STRUCTURE

NOTE 2: DEBRIS BAFFLE REQUIRED AT CATCH BASIN. CONNECTED DIRECTLY TO PROPOSED CURB

NOTE 3: PROVIDE NEOPRENE GASKET SIDES AND TOP

NOTE 4: SECTION OF A-CMP, CUT IN HALF OR EQUIVALENT PREPARED (TYPED) BAFFLE DIAMETER TO BE AS PER TABLE

NOTE 5: 1/2" GALVANIZED LAG BOLT IN LEAD SHEILD

NOTE 6: WELD OR 2-1/4" THRU BOLTS

SEE BAFFLE DETAIL

D = PIPE DIAMETER

MIN. LUG PLATE TO BE WELDED TO TOP OF BAFFLE

ALUMINUM CORRUGATED METAL PIPE, CUT IN HALF OR PREPARED (TYPED) BAFFLE BOTTOM OF BAFFLE EL. - 0.00

2" MIN. OR AS NOTED ON THE PLAN

12% STAINLESS STEEL ANCHOR BOLT AND NUT

3"x1/8" ANGLE

PIPE SEE DRAWINGS

3"x1/8" ANGLE

CONCRETE SIDEWALK DETAIL

PLAN

SECTION "A-A"

SECTION "B-B"

SECTION "C-C"

SECTION "D" CURB

TYPE "A" JOINT

TYPE "B" JOINT

TYPE "C" JOINT

TYPE "D" CURB

TYPE "E" CURB

TYPE "F" CURB

TYPE "G" CURB

TYPE "H" CURB

TYPE "I" CURB

TYPE "J" CURB

TYPE "K" CURB

TYPE "L" CURB

TYPE "M" CURB

TYPE "N" CURB

TYPE "O" CURB

TYPE "P" CURB

TYPE "Q" CURB

TYPE "R" CURB

TYPE "S" CURB

TYPE "T" CURB

TYPE "U" CURB

TYPE "V" CURB

TYPE "W" CURB

TYPE "X" CURB

TYPE "Y" CURB

TYPE "Z" CURB

TYPE "AA" CURB

TYPE "AB" CURB

TYPE "AC" CURB

TYPE "AD" CURB

TYPE "AE" CURB

TYPE "AF" CURB

TYPE "AG" CURB

TYPE "AH" CURB

TYPE "AI" CURB

TYPE "AJ" CURB

TYPE "AK" CURB

TYPE "AL" CURB

TYPE "AM" CURB

TYPE "AN" CURB

TYPE "AO" CURB

TYPE "AP" CURB

TYPE "AQ" CURB

TYPE "AR" CURB

TYPE "AS" CURB

TYPE "AT" CURB

TYPE "AU" CURB

TYPE "AV" CURB

TYPE "AW" CURB

TYPE "AX" CURB

TYPE "AY" CURB

TYPE "AZ" CURB

TYPE "BA" CURB

TYPE "BB" CURB

TYPE "BC" CURB

TYPE "BD" CURB

TYPE "BE" CURB

TYPE "BF" CURB

TYPE "BG" CURB

TYPE "BH" CURB

TYPE "BI" CURB

TYPE "BJ" CURB

TYPE "BK" CURB

TYPE "BL" CURB

TYPE "BM" CURB

TYPE "BN" CURB

TYPE "BO" CURB

TYPE "BP" CURB

TYPE "BQ" CURB

TYPE "BR" CURB

TYPE "BS" CURB

TYPE "BT" CURB

TYPE "BU" CURB

TYPE "BV" CURB

TYPE "BW" CURB

TYPE "BX" CURB

TYPE "BY" CURB

TYPE "BZ" CURB

TYPE "CA" CURB

TYPE "CB" CURB

TYPE "CC" CURB

TYPE "CD" CURB

TYPE "CE" CURB

TYPE "CF" CURB

TYPE "CG" CURB

TYPE "CH" CURB

TYPE "CI" CURB

TYPE "CJ" CURB

TYPE "CK" CURB

TYPE "CL" CURB

TYPE "CM" CURB

TYPE "CN" CURB

TYPE "CO" CURB

TYPE "CP" CURB

TYPE "CQ" CURB

TYPE "CR" CURB

TYPE "CS" CURB

TYPE "CT" CURB

TYPE "CU" CURB

TYPE "CV" CURB

TYPE "CW" CURB

TYPE "CX" CURB

TYPE "CY" CURB

TYPE "CZ" CURB

TYPE "DA" CURB

TYPE "DB" CURB

TYPE "DC" CURB

TYPE "DD" CURB

TYPE "DE" CURB

TYPE "DF" CURB

TYPE "DG" CURB

TYPE "DH" CURB

TYPE "DI" CURB

TYPE "DJ" CURB

TYPE "DK" CURB

TYPE "DL" CURB

TYPE "DM" CURB

TYPE "DN" CURB

TYPE "DO" CURB

TYPE "DP" CURB

TYPE "DQ" CURB

TYPE "DR" CURB

TYPE "DS" CURB

TYPE "DT" CURB

TYPE "DU" CURB

TYPE "DV" CURB

TYPE "DW" CURB

TYPE "DX" CURB

TYPE "DY" CURB

TYPE "DZ" CURB

TYPE "EA" CURB

TYPE "EB" CURB

TYPE "EC" CURB

TYPE "ED" CURB

TYPE "EE" CURB

TYPE "EF" CURB

TYPE "EG" CURB

TYPE "EH" CURB

TYPE "EI" CURB

TYPE "EJ" CURB

TYPE "EK" CURB

TYPE "EL" CURB

TYPE "EM" CURB

TYPE "EN" CURB

TYPE "EO" CURB

TYPE "EP" CURB

TYPE "EQ" CURB

TYPE "ER" CURB

TYPE "ES" CURB

TYPE "ET" CURB

TYPE "EU" CURB

TYPE "EV" CURB

TYPE "EW" CURB

TYPE "EX" CURB

TYPE "EY" CURB

TYPE "EZ" CURB

TYPE "FA" CURB

TYPE "FB" CURB

TYPE "FC" CURB

TYPE "FD" CURB

TYPE "FE" CURB

TYPE "FF" CURB

TYPE "FG" CURB

TYPE "FH" CURB

TYPE "FI" CURB

TYPE "FJ" CURB

TYPE "FK" CURB

TYPE "FL" CURB

TYPE "FM" CURB

TYPE "FN" CURB

TYPE "FO" CURB

TYPE "FP" CURB

TYPE "FQ" CURB

TYPE "FR" CURB

TYPE "FS" CURB

TYPE "FT" CURB

TYPE "FU" CURB

TYPE "FV" CURB

TYPE "FW" CURB

TYPE "FX" CURB

TYPE "FY" CURB

TYPE "FZ" CURB

TYPE "GA" CURB

TYPE "GB" CURB

TYPE "GC" CURB

TYPE "GD" CURB

TYPE "GE" CURB

TYPE "GF" CURB

TYPE "GG" CURB

TYPE "GH" CURB

TYPE "GI" CURB

TYPE "GJ" CURB

TYPE "GK" CURB

TYPE "GL" CURB

TYPE "GM" CURB

TYPE "GN" CURB

TYPE "GO" CURB

TYPE "GP" CURB

TYPE "GQ" CURB

TYPE "GR" CURB

TYPE "GS" CURB

TYPE "GT" CURB

TYPE "GU" CURB

TYPE "GV" CURB

TYPE "GW" CURB

TYPE "GX" CURB

TYPE "GY" CURB

TYPE "GZ" CURB

TYPE "HA" CURB

TYPE "HB" CURB

TYPE "HC" CURB

TYPE "HD" CURB

TYPE "HE" CURB

TYPE "HF" CURB

TYPE "HG" CURB

TYPE "HH" CURB

TYPE "HI" CURB

TYPE "HJ" CURB

TYPE "HK" CURB

TYPE "HL" CURB

TYPE "HM" CURB

TYPE "HN" CURB

TYPE "HO" CURB

TYPE "HP" CURB

TYPE "HQ" CURB

TYPE "HR" CURB

TYPE "HS" CURB

TYPE "HT" CURB

TYPE "HU" CURB

TYPE "HV" CURB

TYPE "HW" CURB

TYPE "HX" CURB

TYPE "HY" CURB

TYPE "HZ" CURB

TYPE "IA" CURB

TYPE "IB" CURB

TYPE "IC" CURB

TYPE "ID" CURB

TYPE "IE" CURB

TYPE "IF" CURB

TYPE "IG" CURB

TYPE "IH" CURB

TYPE "II" CURB

TYPE "IJ" CURB

TYPE "IK" CURB

TYPE "IL" CURB

TYPE "IM" CURB

TYPE "IN" CURB

TYPE "IO" CURB

TYPE "IP" CURB

TYPE "IQ" CURB

TYPE "IR" CURB

TYPE "IS" CURB

TYPE "IT" CURB

TYPE "IU" CURB

TYPE "IV" CURB

TYPE "IW" CURB

TYPE "IX" CURB

TYPE "IY" CURB

TYPE "IZ" CURB

TYPE "JA" CURB

TYPE "JB" CURB

TYPE "JC" CURB

TYPE "JD" CURB

TYPE "JE" CURB

TYPE "JF" CURB

TYPE "JG" CURB

TYPE "JH" CURB

TYPE "JI" CURB

TYPE "JJ" CURB

TYPE "JK" CURB

TYPE "JL" CURB

TYPE "JM" CURB

TYPE "JN" CURB

TYPE "JO" CURB

TYPE "JP" CURB

TYPE "JQ" CURB

TYPE "JR" CURB

TYPE "JS" CURB

TYPE "JT" CURB

TYPE "JU" CURB

TYPE "JV" CURB

TYPE "JW" CURB

TYPE "JX" CURB

TYPE "JY" CURB

TYPE "JZ" CURB

TYPE "KA" CURB

TYPE "KB" CURB

TYPE "KC" CURB

TYPE "KD" CURB

TYPE "KE" CURB

TYPE "KF" CURB

TYPE "KG" CURB

TYPE "KH" CURB

TYPE "KI" CURB

TYPE "KJ" CURB

TYPE "KK" CURB

TYPE "KL" CURB

TYPE "KM" CURB

TYPE "KN" CURB

TYPE "KO" CURB

TYPE "KP" CURB

TYPE "KQ" CURB

TYPE "KR" CURB

TYPE "KS" CURB

TYPE "KT" CURB

TYPE "KU" CURB

TYPE "KV" CURB

TYPE "KW" CURB

TYPE "KX" CURB

TYPE "KY" CURB

TYPE "KZ" CURB

TYPE "LA" CURB

TYPE "LB" CURB

TYPE "LC" CURB

TYPE "LD" CURB

TYPE "LE" CURB

TYPE "LF" CURB

TYPE "LG" CURB

TYPE "LH" CURB

TYPE "LI" CURB

TYPE "LJ" CURB

TYPE "LK" CURB

TYPE "LL" CURB

TYPE "LM" CURB

TYPE "LN" CURB

TYPE "LO" CURB

TYPE "LP" CURB

TYPE "LQ" CURB

TYPE "LR" CURB

TYPE "LS" CURB

TYPE "LT" CURB

TYPE "LU" CURB

TYPE "LV" CURB

TYPE "LW" CURB

TYPE "LX" CURB

TYPE "LY" CURB

TYPE "LZ" CURB

TYPE "MA" CURB

TYPE "MB" CURB

TYPE "MC" CURB

TYPE "MD" CURB

TYPE "ME" CURB

TYPE "MF" CURB

TYPE "MG" CURB

TYPE "MH" CURB

TYPE "MI" CURB

TYPE "MJ" CURB

TYPE "MK" CURB

TYPE "ML" CURB

TYPE "MM" CURB

TYPE "MN" CURB

TYPE "MO" CURB

TYPE "MP" CURB

TYPE "MQ" CURB

TYPE "MR" CURB

TYPE "MS" CURB

TYPE "MT" CURB

TYPE "MU" CURB

TYPE "MV" CURB

TYPE "MW" CURB

TYPE "MX" CURB

TYPE "MY" CURB

TYPE "MZ" CURB

TYPE "NA" CURB

TYPE "NB" CURB

TYPE "NC" CURB

TYPE "ND" CURB

TYPE "NE" CURB

TYPE "NF" CURB

TYPE "NG" CURB

TYPE "NH" CURB

TYPE "NI" CURB

TYPE "NJ" CURB

TYPE "NK" CURB

TYPE "NL" CURB

TYPE "NM" CURB

TYPE "NN" CURB

TYPE "NO" CURB

TYPE "NP" CURB

TYPE "NQ" CURB

TYPE "NR" CURB

TYPE "NS" CURB

TYPE "NT" CURB

TYPE "NU" CURB

TYPE "NV" CURB

TYPE "NW" CURB

TYPE "NX" CURB

TYPE "NY" CURB

TYPE "NZ" CURB

TYPE "OA" CURB

TYPE "OB" CURB

TYPE "OC" CURB

TYPE "OD" CURB

TYPE "OE" CURB

TYPE "OF" CURB

TYPE "OG" CURB

TYPE "OH" CURB

TYPE "OI" CURB

TYPE "OJ" CURB

TYPE "OK" CURB

TYPE "OL" CURB

TYPE "OM" CURB

TYPE "ON" CURB

TYPE "OO" CURB

TYPE "OP" CURB

TYPE "OQ" CURB

TYPE "OR" CURB

TYPE "OS" CURB

TYPE "OT" CURB

TYPE "OU" CURB

TYPE "OV" CURB

TYPE "OW" CURB

TYPE "OX" CURB

TYPE "OY" CURB

TYPE "OZ" CURB

TYPE "PA" CURB

TYPE "PB" CURB

TYPE "PC" CURB

TYPE "PD" CURB

TYPE "PE" CURB

TYPE "PF" CURB

TYPE "PG" CURB

TYPE "PH" CURB

TYPE "PI" CURB

TYPE "PJ" CURB

TYPE "PK" CURB

TYPE "PL" CURB

TYPE "PM" CURB

TYPE "PN" CURB

TYPE "PO" CURB

TYPE "PP" CURB

TYPE "PQ" CURB

TYPE "PR" CURB

TYPE "PS" CURB

TYPE "PT" CURB

TYPE "PU" CURB

TYPE "PV" CURB

TYPE "PW" CURB

TYPE "PX" CURB

TYPE "PY" CURB

TYPE "PZ" CURB

TYPE "QA" CURB

TYPE "QB" CURB

TYPE "QC" CURB

TYPE "QD" CURB

TYPE "QE" CURB

TYPE "QF" CURB

TYPE "QG" CURB

TYPE "QH" CURB

TYPE "QI" CURB

TYPE "QJ" CURB

TYPE "QK" CURB

TYPE "QL" CURB

TYPE "QM" CURB

TYPE "QN" CURB

TYPE "QO" CURB

TYPE "QP" CURB

TYPE "QQ" CURB

TYPE "QR" CURB

TYPE "QS" CURB

TYPE "QT" CURB

TYPE "QU" CURB

TYPE "QV" CURB

TYPE "QW" CURB

TYPE "QX" CURB

TYPE "QY" CURB

TYPE "QZ" CURB

TYPE "RA" CURB

TYPE "RB" CURB

TYPE "RC" CURB

TYPE "RD" CURB

TYPE "RE" CURB

TYPE "RF" CURB

TYPE "RG" CURB

TYPE "RH" CURB

TYPE "RI" CURB

TYPE "RJ" CURB

TYPE "RK" CURB

TYPE "RL" CURB

TYPE "RM" CURB

TYPE "RN" CURB

TYPE "RO" CURB

TYPE "RP" CURB

TYPE "RQ" CURB

TYPE "RR" CURB

TYPE "RS" CURB

TYPE "RT" CURB

TYPE "RU" CURB

TYPE "RV" CURB

TYPE "RW" CURB

TYPE "RX" CURB

TYPE "RY" CURB

TYPE "RZ" CURB

TYPE "SA" CURB

TYPE "SB" CURB

TYPE "SC" CURB

TYPE "SD" CURB

TYPE "SE" CURB

TYPE "SF" CURB

TYPE "SG" CURB

TYPE "SH" CURB

TYPE "SI" CURB

TYPE "SJ" CURB

TYPE "SK" CURB

TYPE "SL" CURB

TYPE "SM" CURB

TYPE "SN" CURB

TYPE "SO" CURB

TYPE "SP" CURB

TYPE "SQ" CURB

TYPE "SR" CURB

TYPE "SS" CURB

TYPE "ST" CURB

TYPE "SU" CURB

TYPE "SV" CURB

TYPE "SW" CURB

TYPE "SX" CURB

TYPE "SY" CURB

TYPE "SZ" CURB

TYPE "TA" CURB

TYPE "TB" CURB

TYPE "TC" CURB

TYPE "TD" CURB

TYPE "TE" CURB

TYPE "TF" CURB

TYPE "TG" CURB

TYPE "TH" CURB

TYPE "TI" CURB

TYPE "TJ" CURB

TYPE "TK" CURB

TYPE "TL" CURB

TYPE "TM" CURB

TYPE "TN" CURB

TYPE "TO" CURB

TYPE "TP" CURB

TYPE "TQ" CURB

TYPE "TR" CURB

TYPE "TS" CURB

TYPE "TT" CURB

TYPE "TU" CURB

TYPE "TV" CURB

TYPE "TW" CURB

TYPE "TX" CURB

TYPE "TY" CURB

TYPE "TZ" CURB

TYPE "UA" CURB

TYPE "UB" CURB

TYPE "UC" CURB

TYPE "UD" CURB

TYPE "UE" CURB

TYPE "UF" CURB

TYPE "UG" CURB

TYPE "UH" CURB

TYPE "UI" CURB

TYPE "UJ" CURB

TYPE "UK" CURB

TYPE "UL" CURB

TYPE "UM" CURB

TYPE "UN" CURB

TYPE "UO" CURB

TYPE "UP" CURB

TYPE "UQ" CURB

TYPE "UR" CURB

TYPE "US" CURB

TYPE "UT" CURB

TYPE "UU" CURB

TYPE "UV" CURB

TYPE "UW" CURB

TYPE "UX" CURB

TYPE "UY" CURB

TYPE "UZ" CURB

TYPE "VA" CURB

TYPE "VB" CURB

TYPE "VC" CURB

TYPE "VD" CURB

TYPE "VE" CURB

TYPE "VF" CURB

TYPE "VG" CURB

TYPE "VH" CURB

TYPE "VI" CURB

TYPE "VJ" CURB

TYPE "VK" CURB

TYPE "VL" CURB

TYPE "VM" CURB

TYPE "VN" CURB

TYPE "VO" CURB

TYPE "VP" CURB

TYPE "VQ" CURB

TYPE "VR" CURB

TYPE "VS" CURB

TYPE "VT" CURB

TYPE "VU" CURB

TYPE "VV" CURB

TYPE "VW" CURB

TYPE "VX" CURB

TYPE "VY" CURB

TYPE "VZ" CURB

TYPE "WA" CURB

TYPE "WB" CURB

TYPE "WC" CURB

TYPE "WD" CURB

TYPE "WE" CURB

TYPE "WF" CURB

TYPE "WG" CURB

TYPE "WH" CURB

TYPE "WI" CURB

TYPE "WJ" CURB

TYPE "WK" CURB

TYPE "WL" CURB

TYPE "WM" CURB

TYPE "WN" CURB

TYPE "WO" CURB

TYPE "WP" CURB

TYPE "WQ" CURB

TYPE "WR" CURB

TYPE "WS" CURB

TYPE "WT" CURB

TYPE "WU" CURB

TYPE "WV" CURB

TYPE "WW" CURB

TYPE "WX" CURB

TYPE "WY" CURB

TYPE "WZ" CURB

TYPE "XA" CURB

TYPE "XB" CURB

TYPE "XC" CURB

TYPE "XD" CURB

TYPE "XE" CURB

TYPE "XF" CURB

TYPE "XG" CURB

TYPE "XH" CURB

TYPE "XI" CURB

TYPE "XJ" CURB

TYPE "XK" CURB

TYPE "XL" CURB

TYPE "XM" CURB

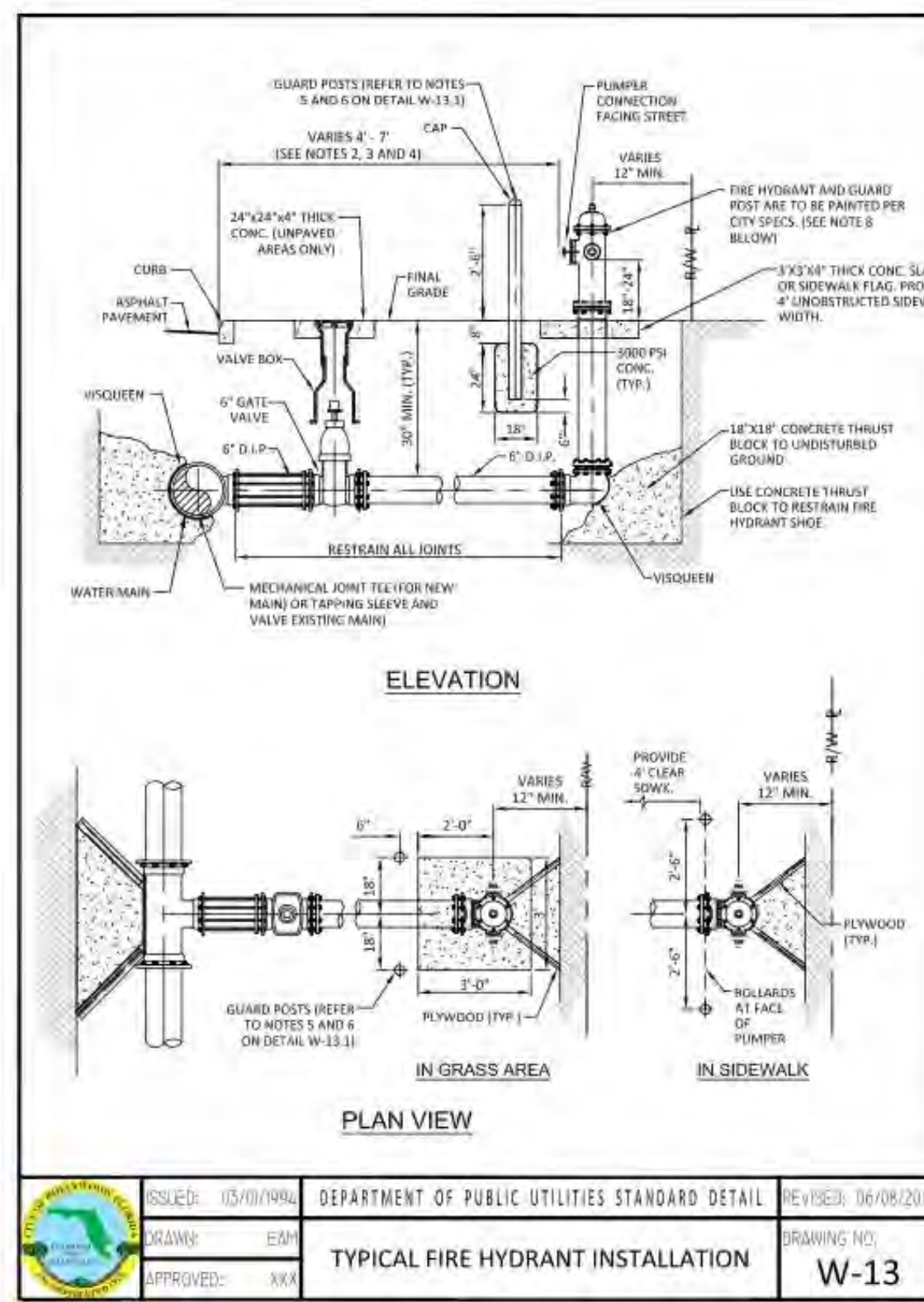
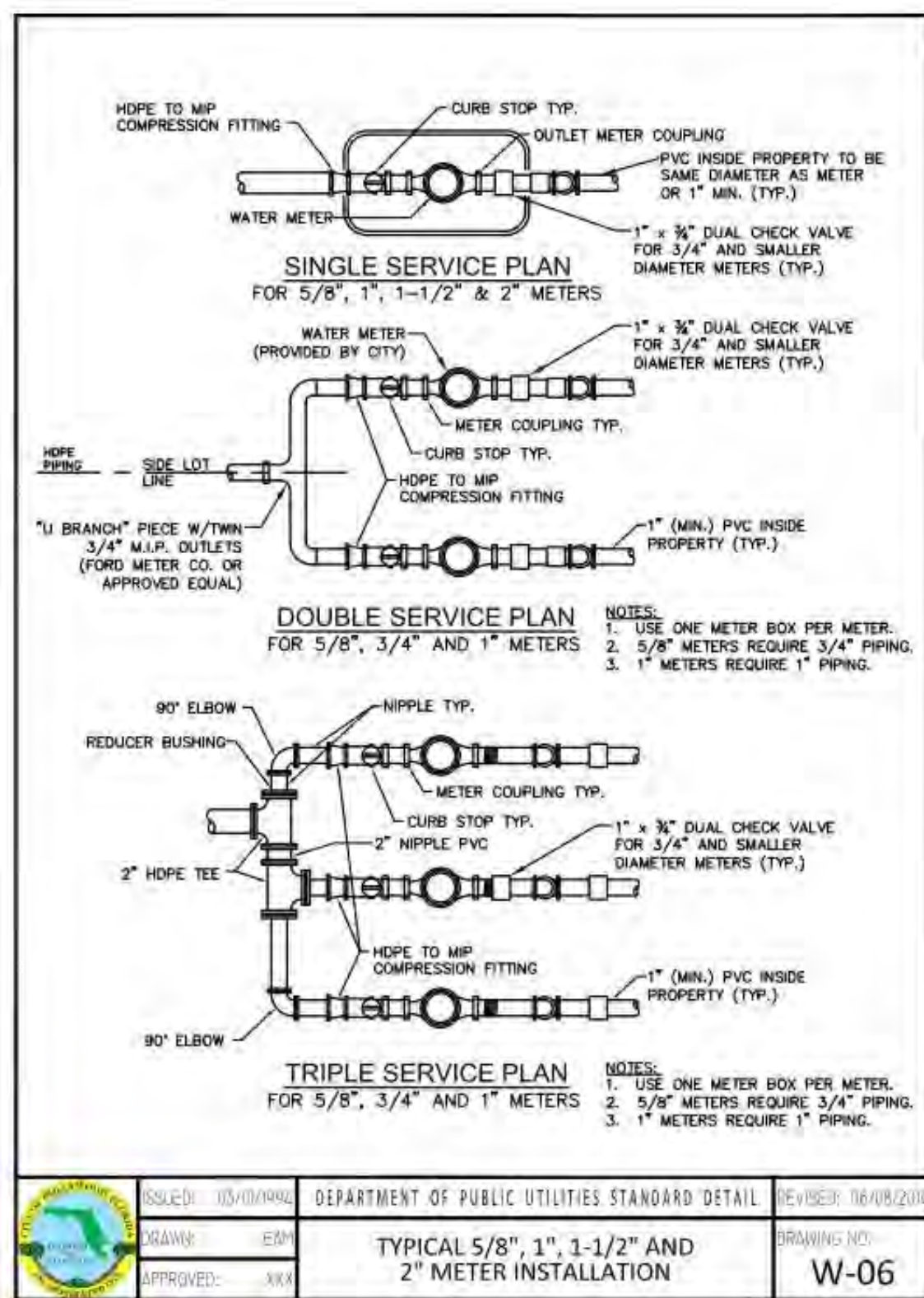
TYPE "XN" CURB

TYPE "XO" CURB

TYPE "XP" CURB

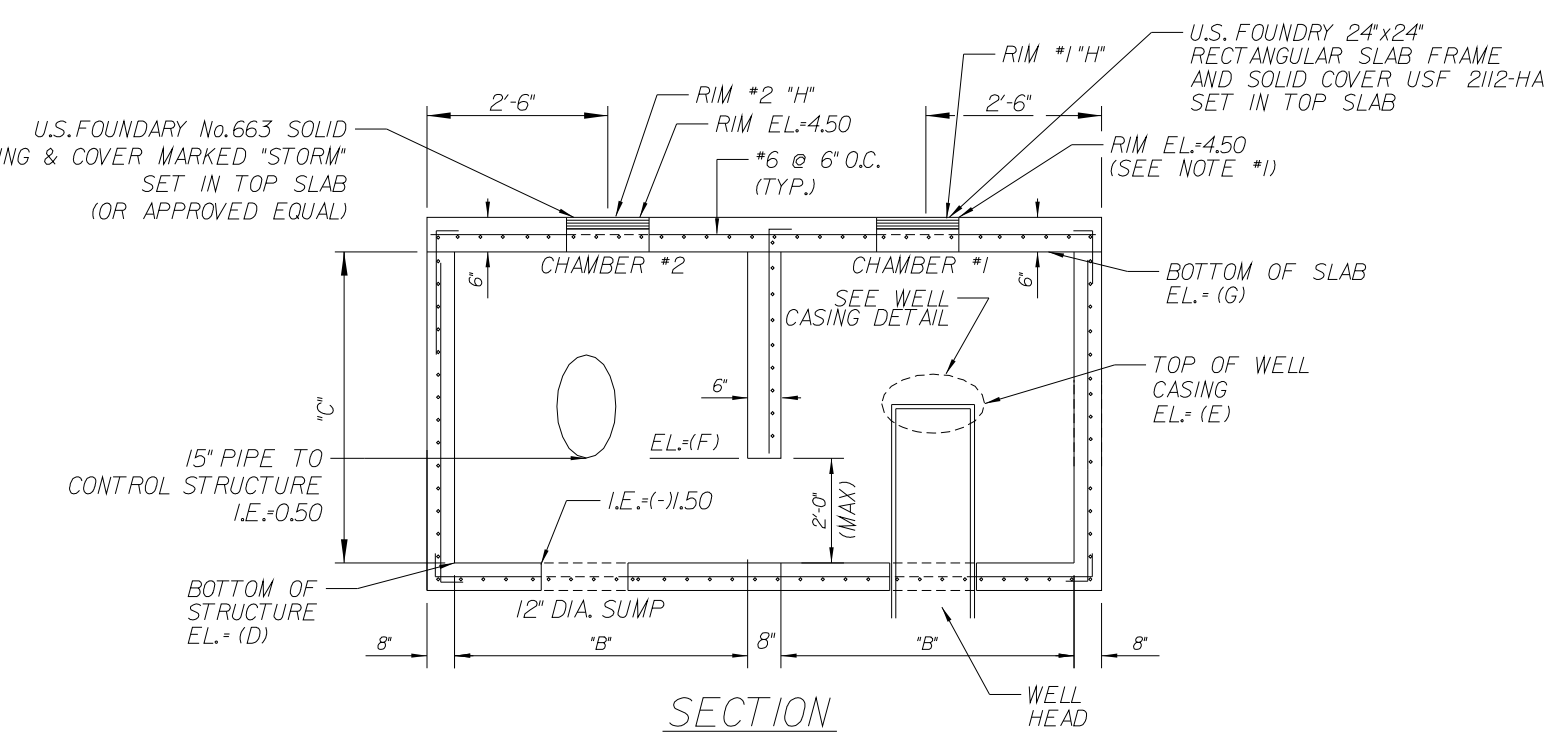
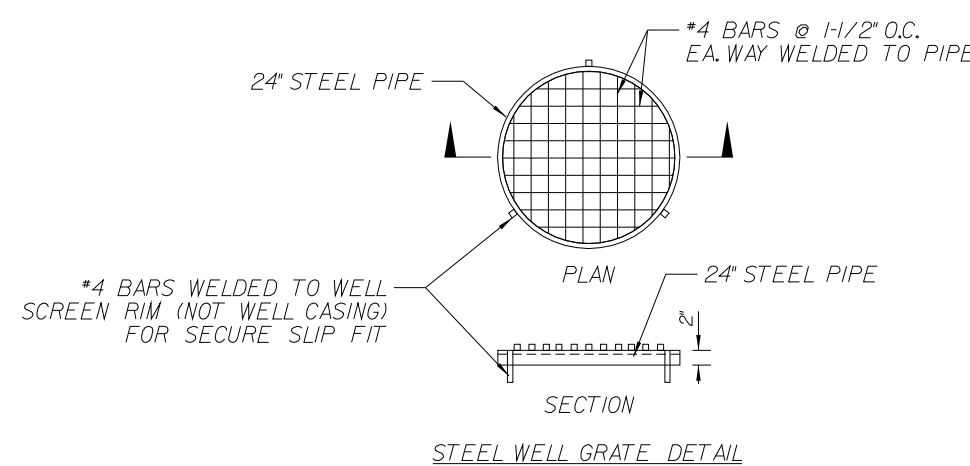
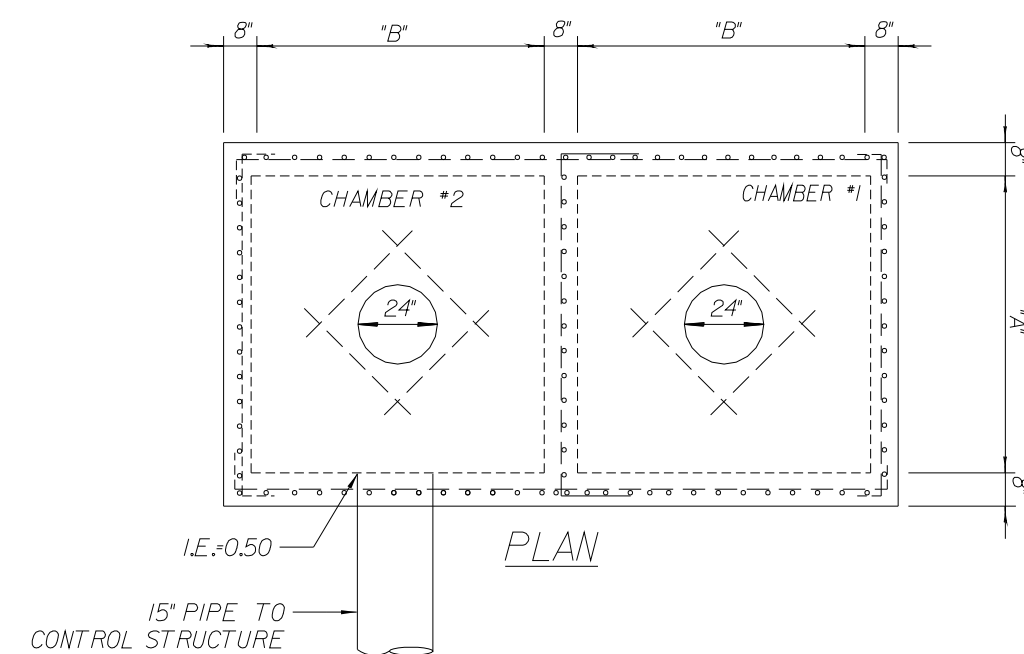
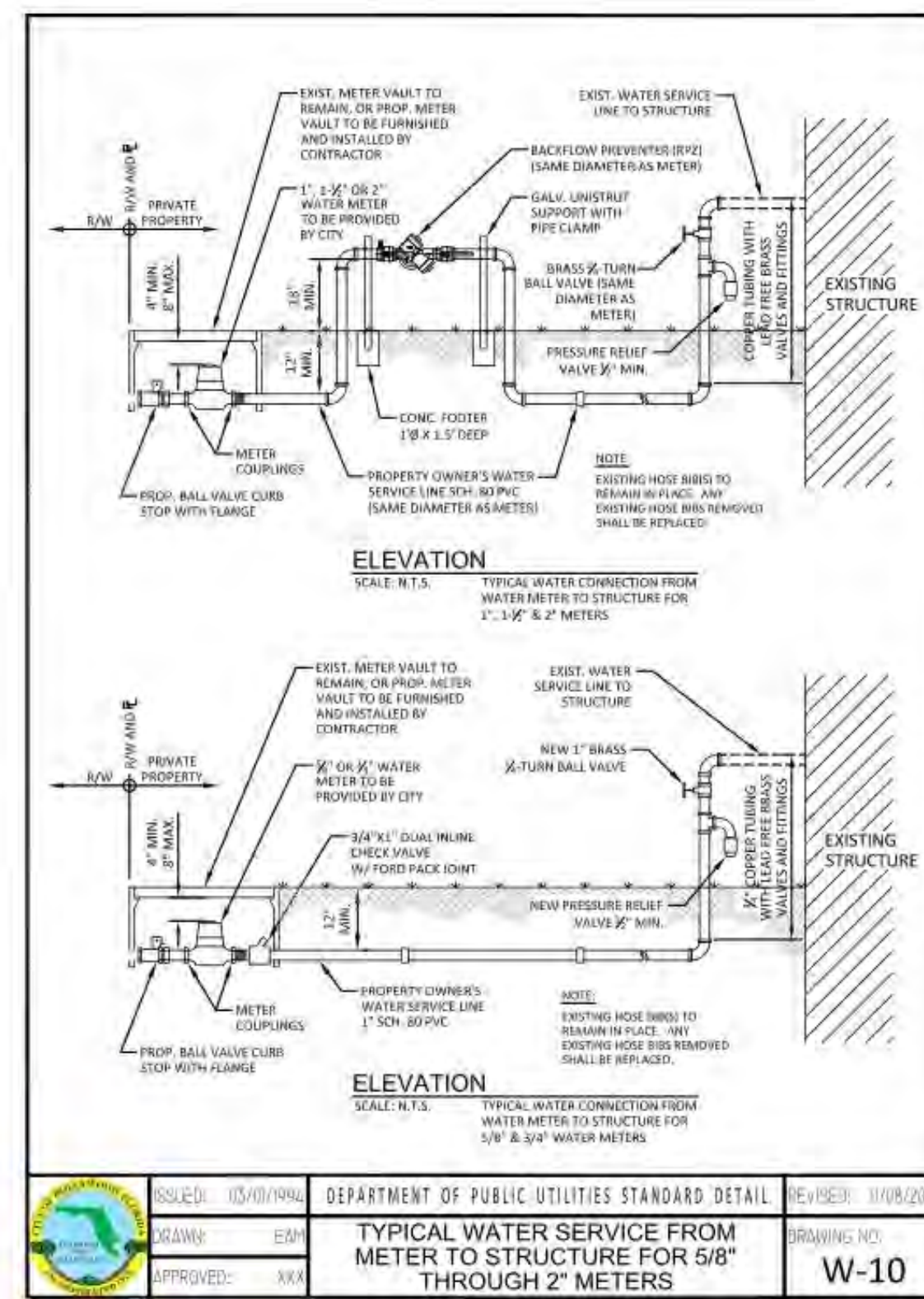
TYPE "XQ" CURB





## 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  $\frac{1}{2}$  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 COLORS.
8. THE FIRE HYDRANT BONNET, OPERATING NUT, HOLD-DOWN NUT, PUMPER CAP AND CAPS SHALL BE PAINTED GREEN, AND THE HYDRANT UPPER BARREL SHALL BE PAINTED SILVER IN ACCORDANCE WITH CITY SPECIFICATIONS.



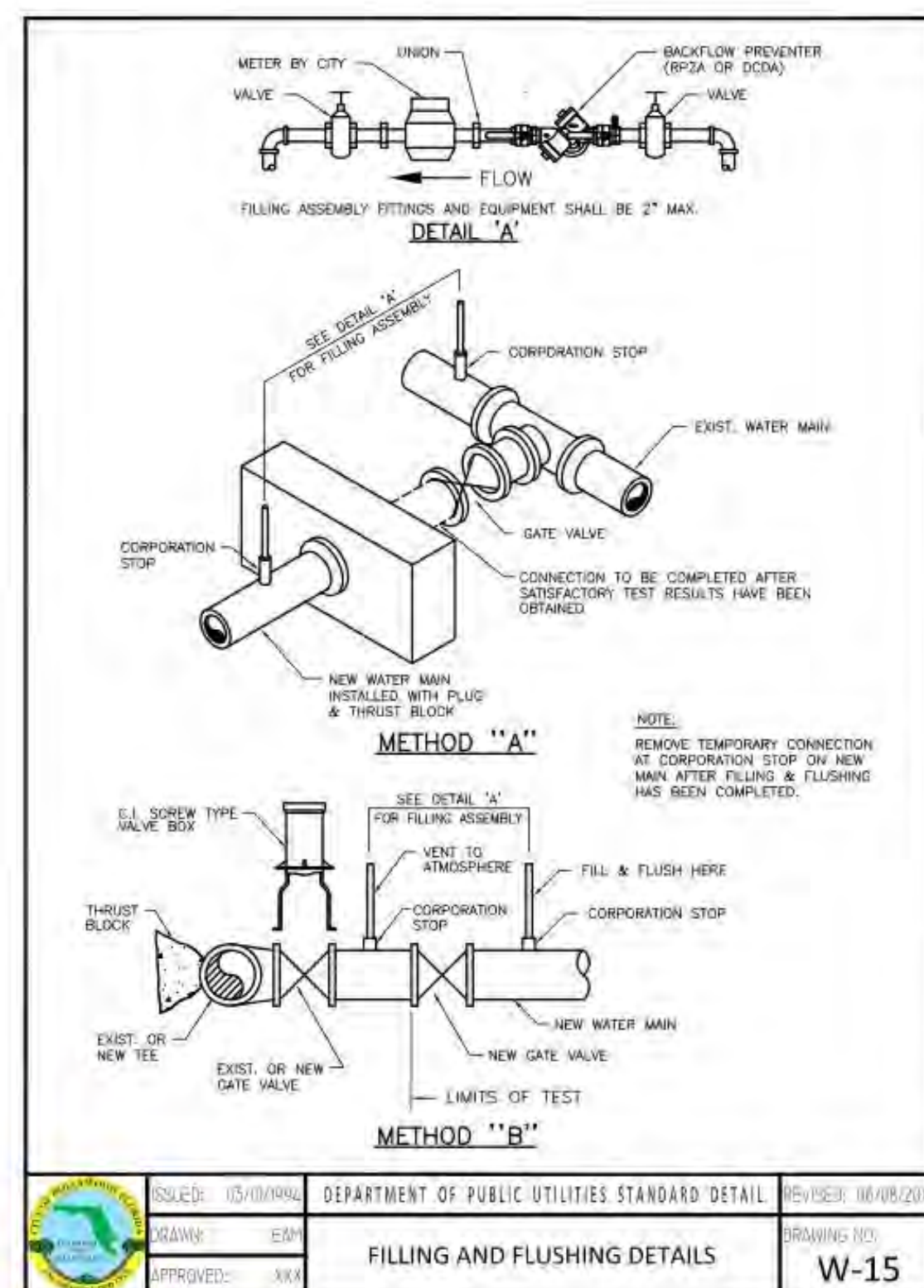
WELL STRUCTURE No. 1

NOTES:

1. MIN. DRAINAGE WELL CAPACITY REQUIRED IS 269 GPM FER FOOT OF HEAD.
2. A CERTIFIED WELL DRILLER SHALL DEVELOPE THE WELL TO A DEPTH AT WHICH THE WATER CONTAINS A MINIMUM 10000 PPM OF TOTAL DISSOLVED SOLIDS
3. WELL DRILLER SHALL OBTAIN A D.E.P. CLASS V.GROUP 5 PERMIT AND PROVIDE THE ENGINEER WITH COPY OF PERMIT.
4. WELL DRILLER SHALL PROVIDE THE ENGINEER WITH CERTIFICATION OF CAPACITY AND DEPTH OF CONSTRUCTION UPON COMPLETION OF INSTALLATION.
5. CONTRACTOR SHALL PROVIDE A BASE BID FOR THE EXPECTED WELL DEPTH (100' MIN. PROVIDED BY WELL DRILLER) PLUS OR MINUS 10% PER FOOT FOR EVERY FOOT ABOVE OR BELOW THE BASE BID.

1. SEE PLAN FOR RIM OR GRATE ELEVATIONS.
2. TOP SLAB OPENINGS TO HAVE ADDITIONAL No.8 BARS AROUND OPENINGS, UNLESS OTHERWISE SPECIFIED BY FABRICATOR.
3. PLACEMENT OF RING AND COVER ACCESSING EACH CHAMBER SHALL BE AS DESIGNED ON PLAN. CHAMBERS TO HAVE U.S.F. 663 RING AND AA COVER . MINIMUM STRUCTURE TO PROVIDE A MIN.
4. TOP SLAB OPENINGS SIZES WITHIN EACH CHAMBER SHALL BE AS REQUIRED BASED UPON INSTALLATION OF RING & COVER
5. STEEL REINFORCEMENT AND SLAB AND WALL THICKNESS SHALL BE RESPONSIBILITY OF STRUCTURE FABRICATOR PER PLAN DESIGN AND LAUNCH CONDITIONS. SITE CONTRACTOR TO PROVIDE STRUCTURE FABRICATOR WITH LOADING CONDITIONS ASSOCIATED WITH CONSTRUCTION EQUIPMENT (TOWER CRANE, BACKHOE, FRONT END LOADER/EC) TO WHICH THESE STRUCTURES MAY BE SUBJECT TO DURING THE DURATION OF CONSTRUCTION.

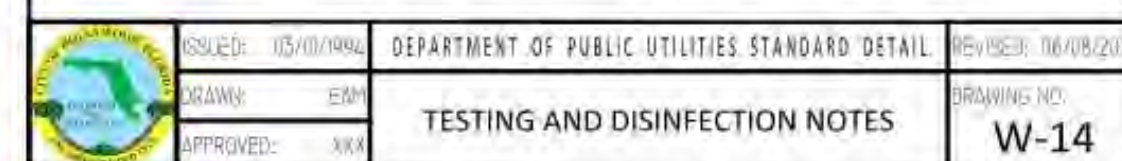
## WELL STRUCTURE DETAIL



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 IN ACCORDANCE WITH A.S. 6-555.31(5) (FAC) 600 ANNA- SATS 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:
$$L = \frac{5 \times D^3 \times \pi}{345,000}$$

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 62-555.31(5), 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.



PROJECT:

PROJECT: **NEBRASKA GARAGE**

REVISIONS:

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

**GGB Engineering, Inc.**

DATE: May 2015	SCALE: N.T.S.
DESIGNED BY: G.G.B.	DRAWN BY: F.M.

PROJECT NO. 14-0608	
SHEET 5	OF 8

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



WATER SYSTEM:

ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO STANDARDS OF THE LOCAL MUNICIPALITY AND APPLICABLE DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES STANDARDS. NO PHYSICAL CONNECTION OF NEW WATER MAINS TO EXISTING 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:

$$L = S D^{0.5} \sqrt{148,000}$$

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 BELLS UNLESS OTHERWISE NOTED ON PLANS. IF RESTRAINT JOINT PIPE IS SPECIFIED 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-300-97 POLY(VINYL CHLORIDE) PRESSURE PIPE, CLASS 150 PIPE SHALL CONFORM TO REQUIREMENT OF SR 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 REQUIREMENTS OF 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 ENCASUREMENT/WRAP SHALL BE INSTALLED ON ALL IRON PIPES INCLUDING 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 RESTRAINED DETAIL ON APPLICABLE DETAIL SHEET, USING MECA-CLUG 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 LENGTHS IS LESS THAN PIPE LENGTH) LENGTH 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 F.A.C.

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-03) 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-RISEING 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-RISEING 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 #K43-342W FOR SINGLE SERVICES AND FORD MODEL #U63-42W 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.

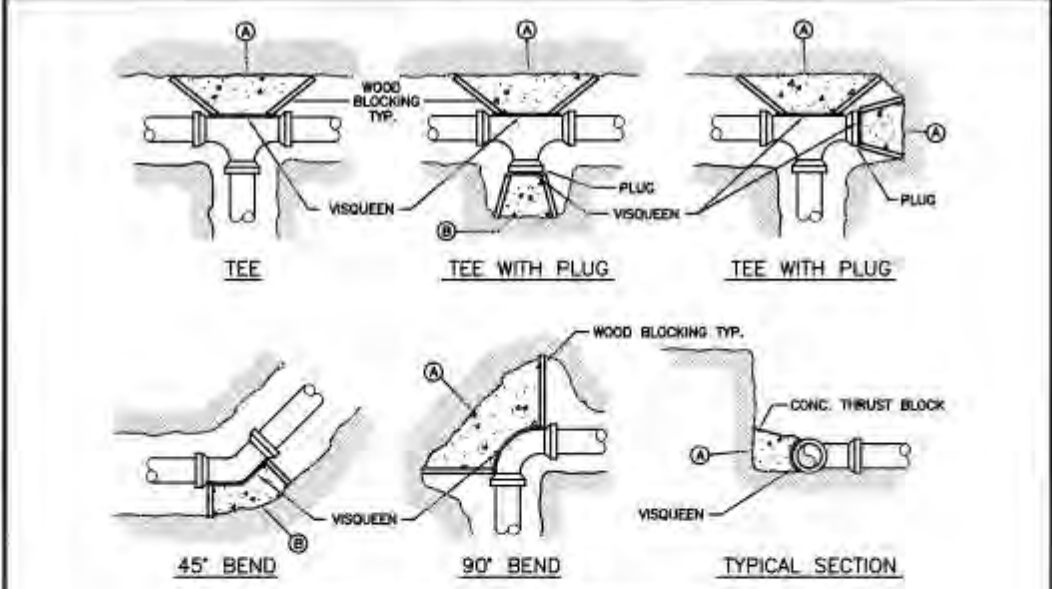
FIRE HYDRANTS SHALL BE FURNISHED WITH A BREAKABLE FEATURE THAT WILL BREAK CLEANLY UPON IMPACT. THIS SHALL CONSIST OF A TWO PART BREAKABLE SAFETY FLANGE WITH A BREAKABLE STEM COUPLING. THE UPPER AND LOWER BARRELS SHALL BE FLUTED AND RIBBED ABOVE AND BELOW THE SAFETY FLANGE OR HAVE AN EXTRA STRENGTH LOWER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

THE FIRE HYDRANT INTERNAL VALVE SHALL BE 5/4" 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 CONNECT 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.

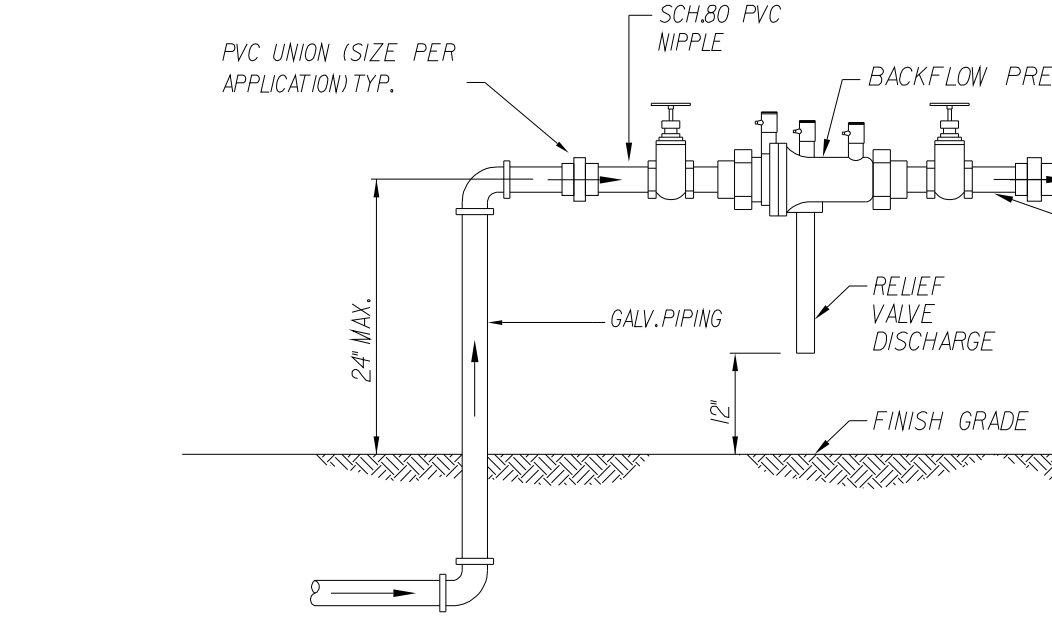


MINIMUM CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL (SQ. FT.)				
MARK	4" OR 6"	8"	10"	12"
A				
B				

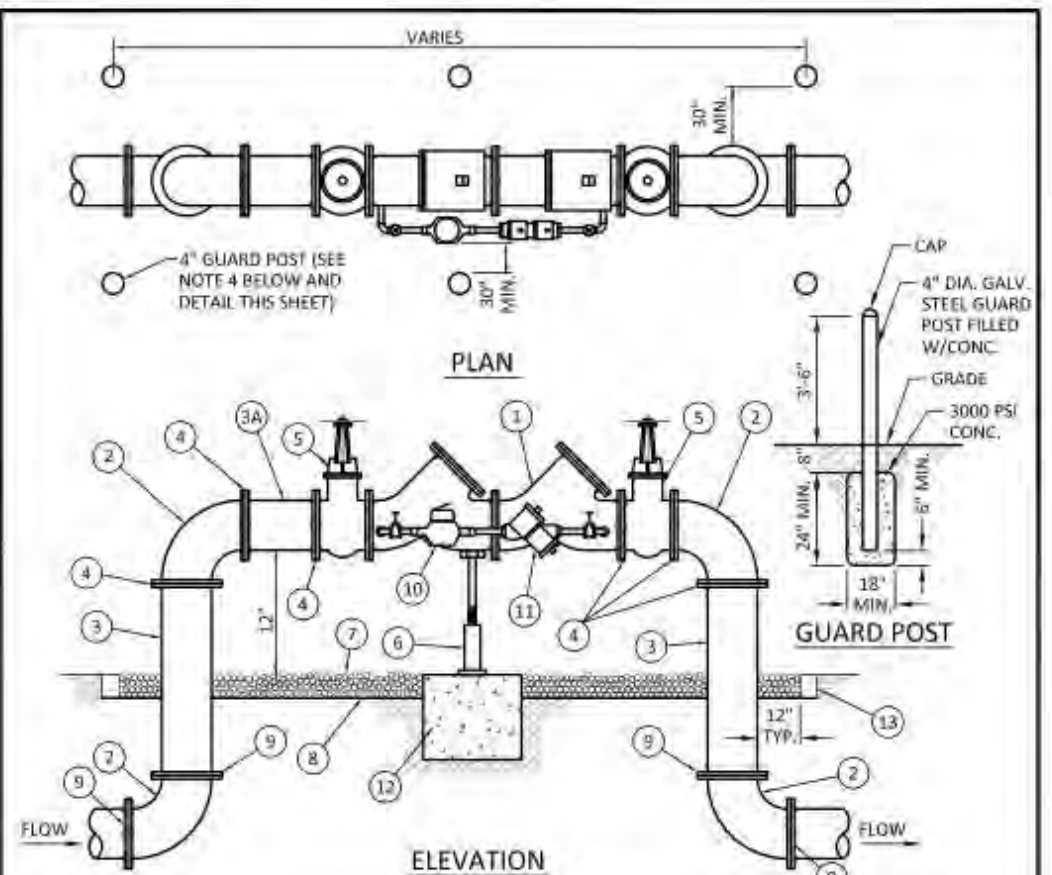
- NOTES:
- THRUST BLOCKS ARE TO BE USED IN COMBINATION WITH, AND NOT IN LIEU OF, MECHANICAL JOINT RESTRAINTS AS REQUIRED BY THE CITY. REFER TO THRUST RESTRAINT DESIGN TABLE IN STANDARD DETAIL G-10.
  - THE AREAS IN THE TABLE ARE BASED ON \_\_\_\_\_ POUNDS PER SQUARE FOOT SOIL BEARING AGAINST THE UNDISTURBED 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.
  - POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED, EVACUATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
  - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
  - DO NOT COVER COUPLING OR JOINTS WITH CONCRETE.
  - CONCRETE TO BE 2500 P.S.I. MINIMUM 28 DAY STRENGTH.
  - TABLE TO BE COMPLETED BY DESIGN ENGINEER.

ISSUED: 10/10/2014	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISION: 10/10/2014
DRAWN: EEP	THRUST BLOCK DESIGN	DRAWING NO: G-10
APPROVED: KKA		

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 (6) INCH (16") 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 CENTER 200 5/8" SIZE. REFERENCE CATALOG NO. 4-422 AND AMERICAN DARTLINE MODEL B-84 8 5/8" 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 C300 LATEST REVISION AND CLASS OR BE 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 MIBCO-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 MANUFACTURERS RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS REQUIRED.		
20.	TAPPING SLEEVES SHALL BE MUELLER H-635 (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: 10/10/2014	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISION: 10/10/2014
	DRAWN: EEP	WATER NOTES	DRAWING NO: W-01.1
	APPROVED: KKA		



REDUCED PRESSURE ZONE  
BACKFLOW PREVENTER DETAIL  
2" DIAMETER AND SMALLER  
N.T.S.



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	ELASTIC 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	3	VALVE, BYPASS DOUBLE CHECK
5	2	4" 6" 8" GATE VALVE (SEE NOTE 6)	12	3	36" X 36" X 16" CONC. SUPPORT
6	1	SCREW JACK ANCHORED	13	1	P.T. 2X4 LUMBER ALL AROUND

- NOTES:
- TEES ADJUST AND CUT ITEM 3 TO THE PROPER LENGTH.
  - ALL PIPING SHALL BE 0.1 P.I. CL 50/52 AS APPLICABLE TO MINIMUM STANDARDS.
  - ALL LOW FLOW METER PIPING SHALL BE BRASS OR COPPER.
  - PROTECTIVE 4" GALV. GUARD POSTS SHALL BE SPACED EVENLY APART AS SHOWN ABOVE AND IN ACCORDANCE WITH INSPECTOR'S DIRECTIONS.
  - MAY USE 45° BENDS (SEE DETAIL W-07.2) WHEN WORKING AREA IS NOT LIMITED, AS DIRECTED BY CITY.
  - GATE VALVES SHALL BE CHAINED AND LOCKED TOGETHER TO PREVENT TAMPERING.

ISSUED: 10/10/2014	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISION: 10/10/2014
DRAWN: EEP	TYPICAL 4", 6" AND 8" DOUBLE CHECK DETECTOR ASSEMBLY FOR FIRE SPRINKLER SERVICE (90° BENDS)	DRAWING NO: W-03
APPROVED: KKA		

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 (3) 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: 10/10/2014	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISION: 10/10/2014
	DRAWN: EEP	WATER NOTES	DRAWING NO: W-02
	APPROVED: KKA		

WATER NOTES:

- 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.
- 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 62-555.33(4)(2), EXCEPTIONS ALLOWED UNDER FAC 62-555.33(4)(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 II OF CHAPTER 62-630, 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 II OF CHAPTER 62-630, F.A.C. (FAC 62-555.33(4)(2), EXCEPTIONS ALLOWED UNDER FAC 62-555.33(4)(3))
- NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON PIPE (D.I.P.) WHEN CROSSING BELOW SANITARY SEWER MAINS.
- POLYETHYLENE ENCASUREMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE, FITTINGS, VALVES, BODS, 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.
- THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND BEDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATER TIGHT 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.
- 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.
- 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-RISEING 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 MIBCO-SCOTT T-133 LF WITH NO SUBSTITUTIONS ALLOWED. LARGE GATE VALVES OVER 3" THRU 16" IN DIAMETER, MUST BE RESILIENT SEAT AND BI-DIRECTIONAL FLOW ONLY. MANUFACTURERS: MUELLER, AMERICAN DARTING, AVK, OR CITY APPROVED EQUAL. VALVES FOR SPECIAL APPLICATION WILL REQUIRE CITY UTILITY APPROVAL.

ISSUED: 10/10/2014	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISION: 10/10/2014
DRAWN: EEP	WATER SYSTEM NOTES	DRAWING NO: W-01
APPROVED: KKA		

REVISIONS:

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

CLIENT:

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

PROJECT:

NEBRASKA GARAGE  
HOLLYWOOD  
FLORIDA

TASK:

CONSTRUCTION DETAILS

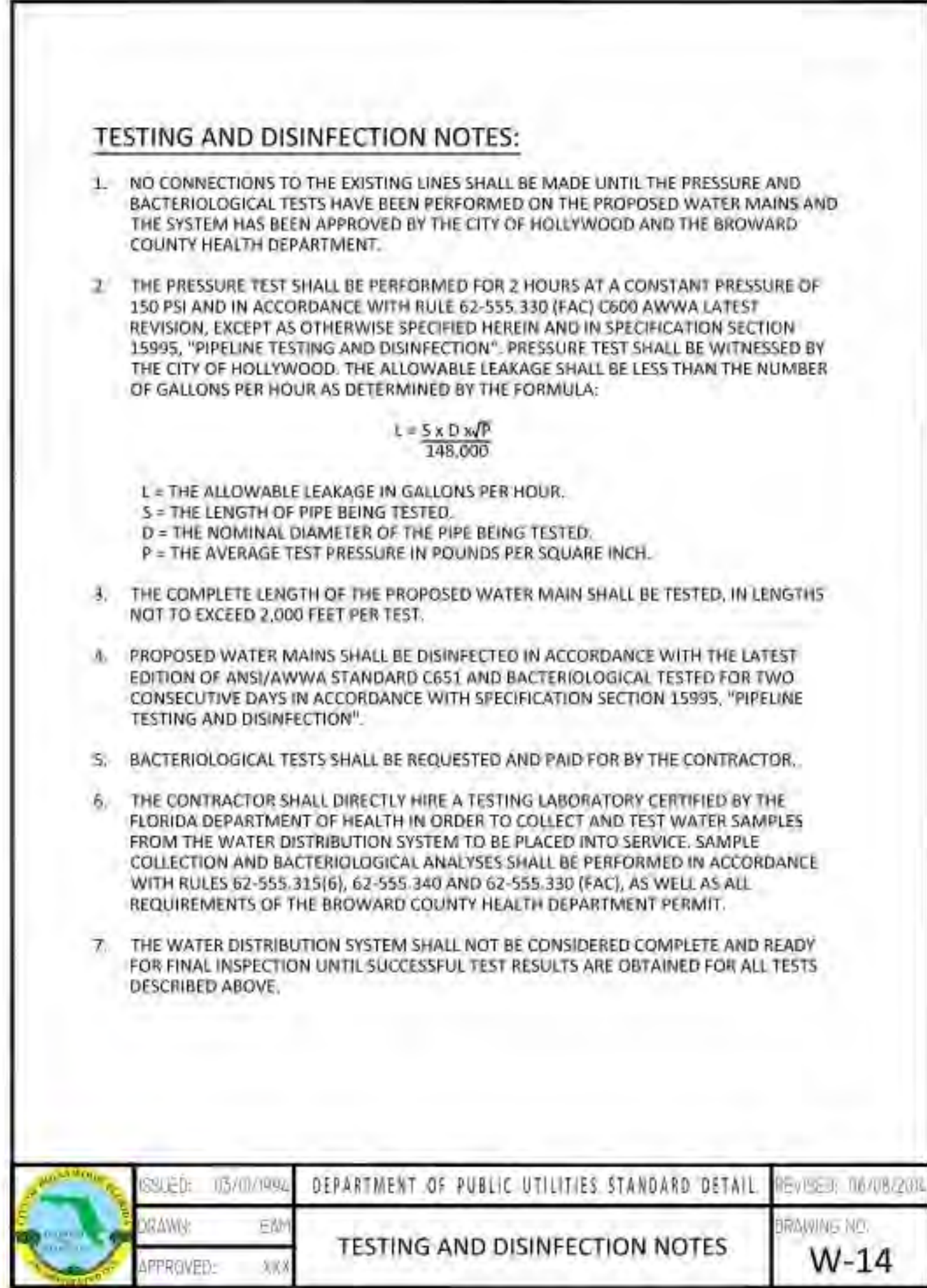
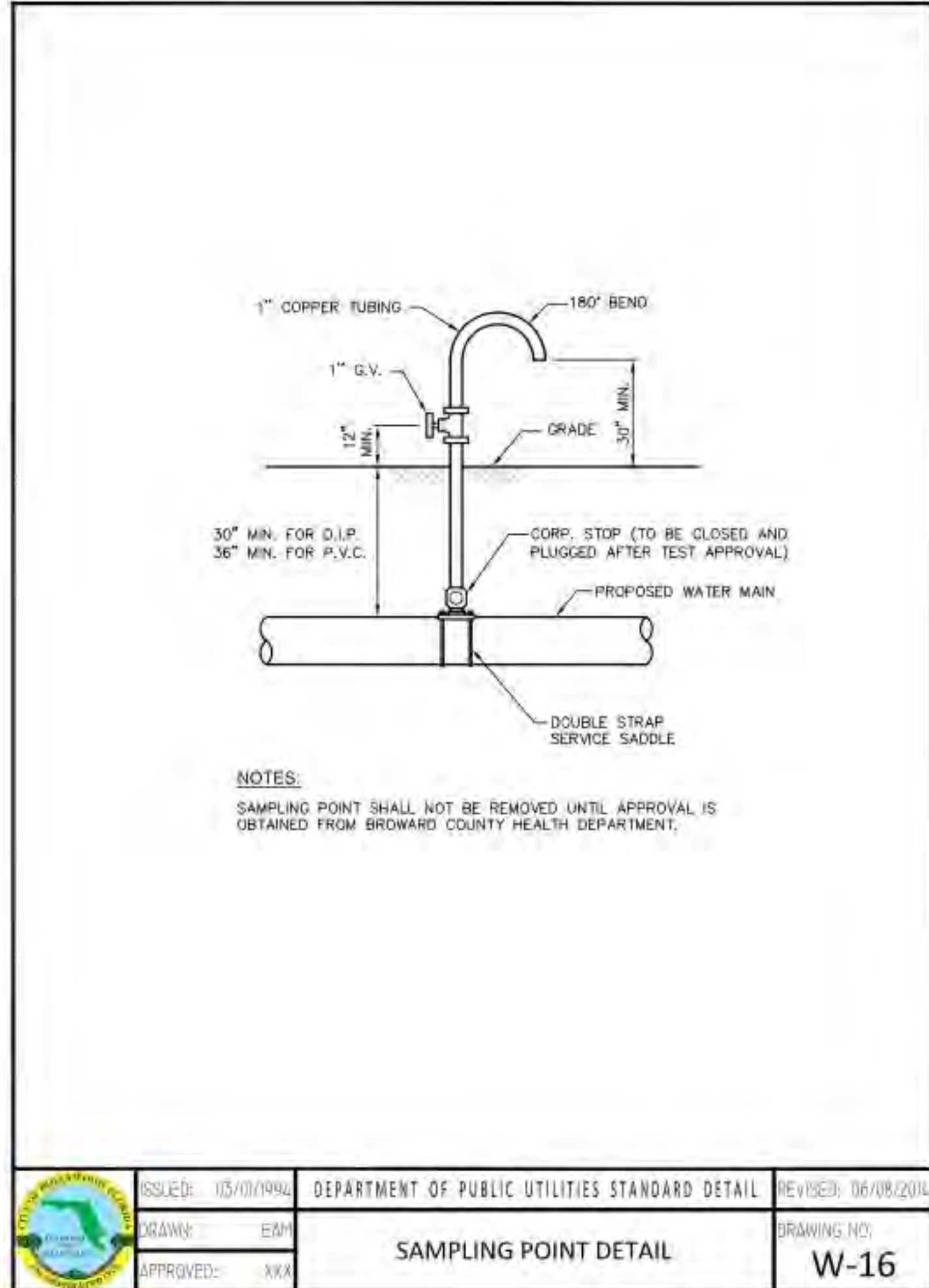
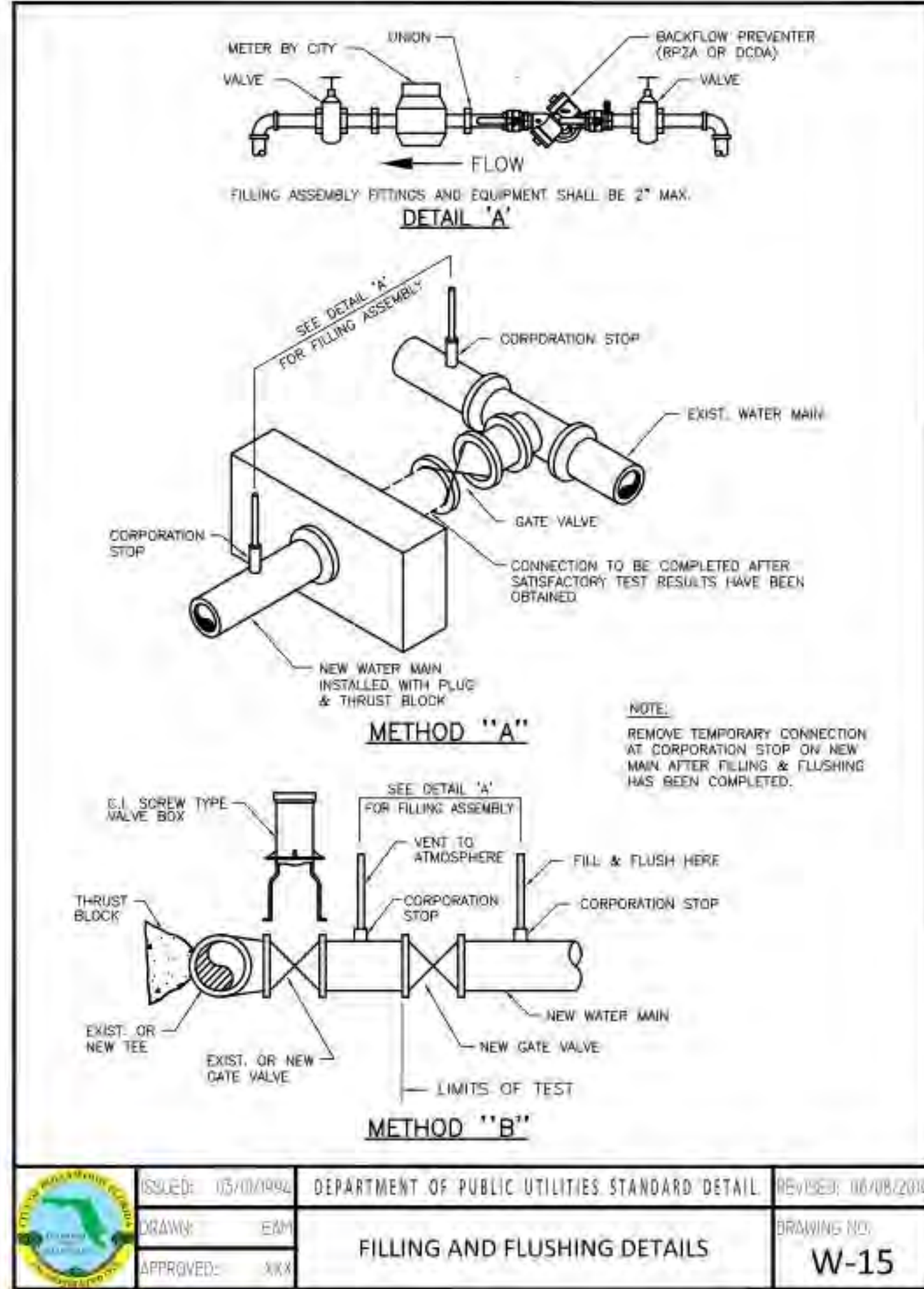
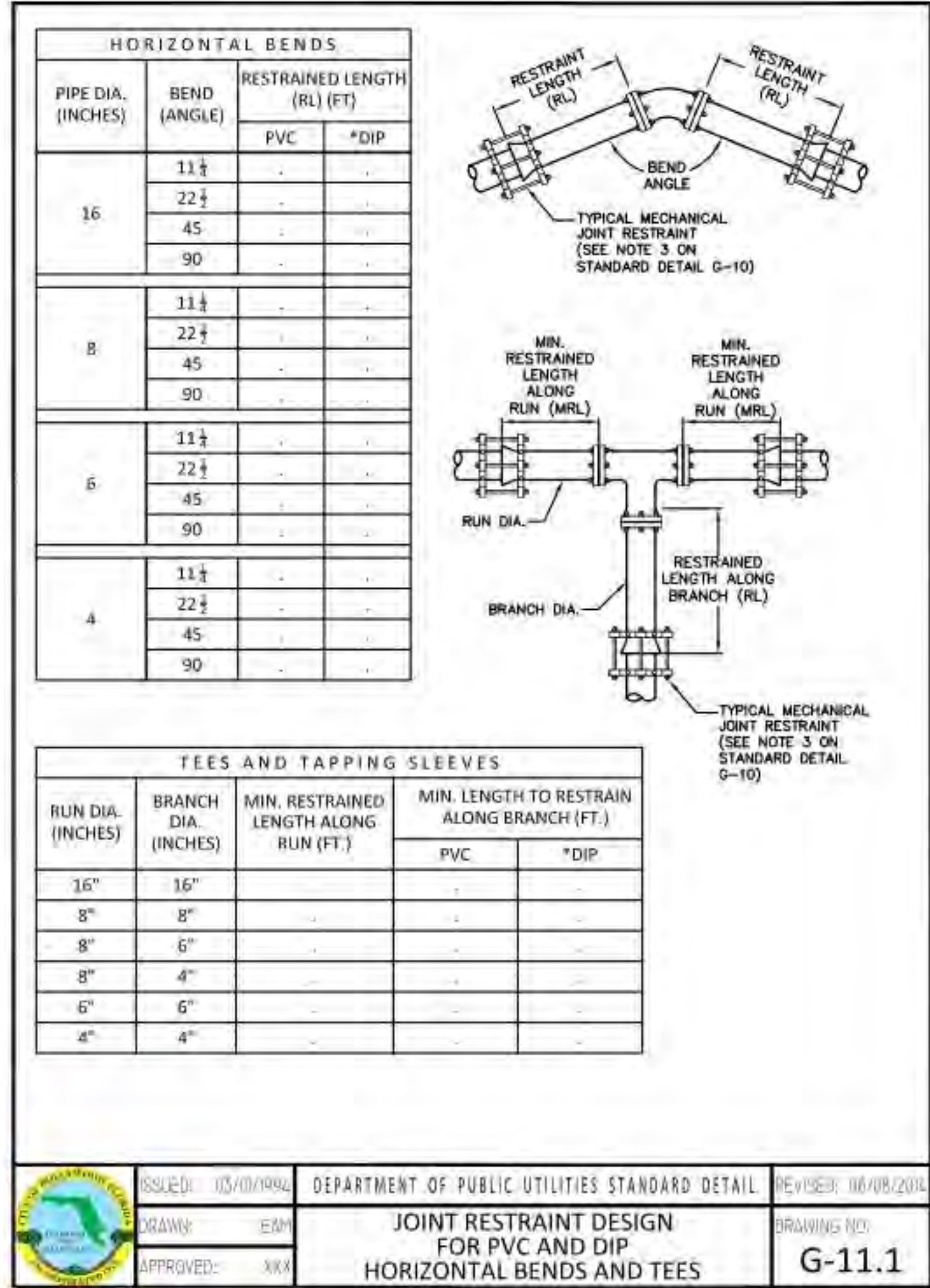
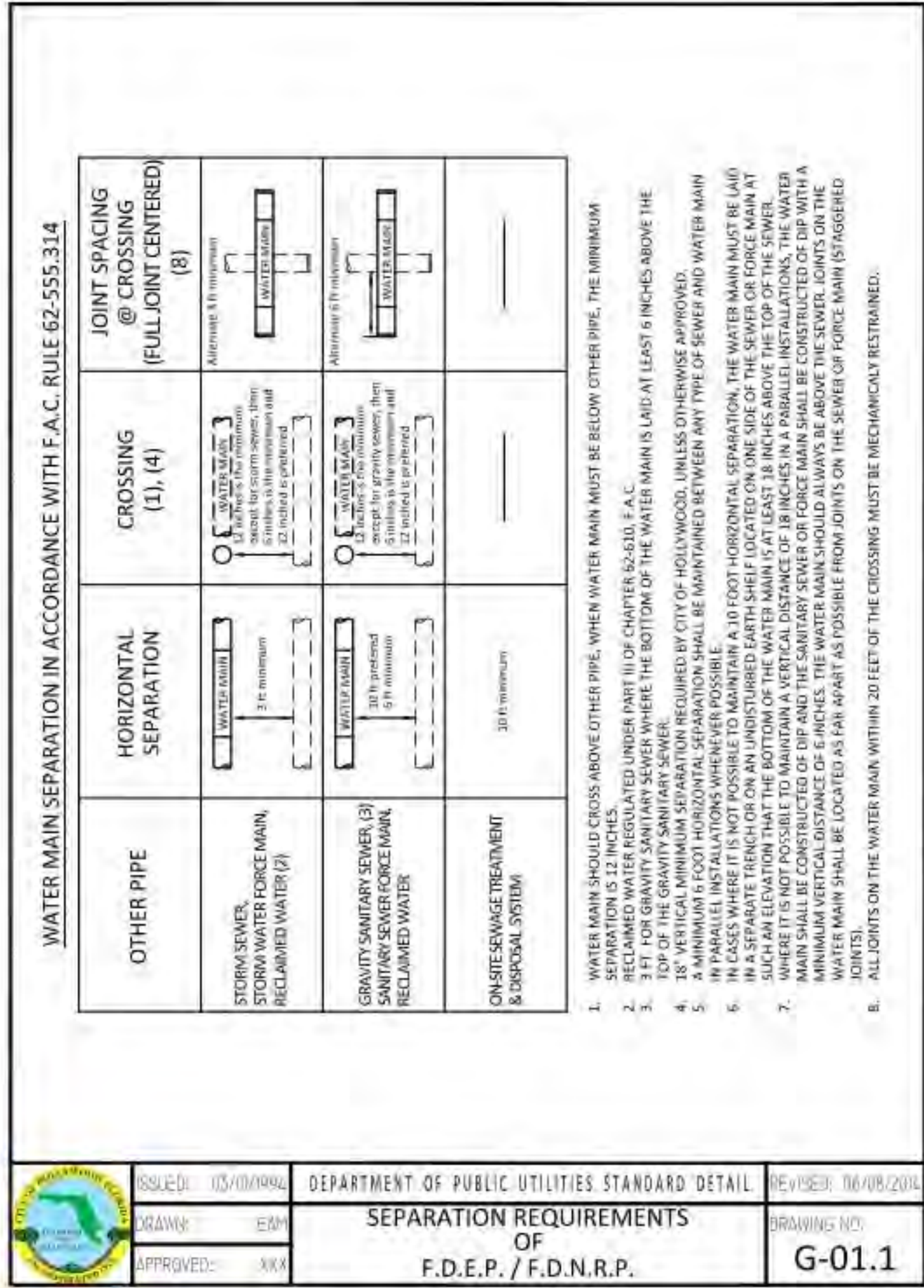
GGB Engineering, Inc.

CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS  
• CONSTRUCTION MANAGERS  
FLORIDA REGISTRATION NO. 818  
2699 Stirling Road, Suite C-202  
Fort Lauderdale, Florida 33312  
Phone: (954) 986-9899  
Fax: (954) 986-8655

DATE:	SCALE:
May 2015	N.T.S.
DESIGNED BY:	DRAWN BY:
G.C.B.	F.M.
PROJECT NO.	
14-0608	
SHEET	OF
5A	8

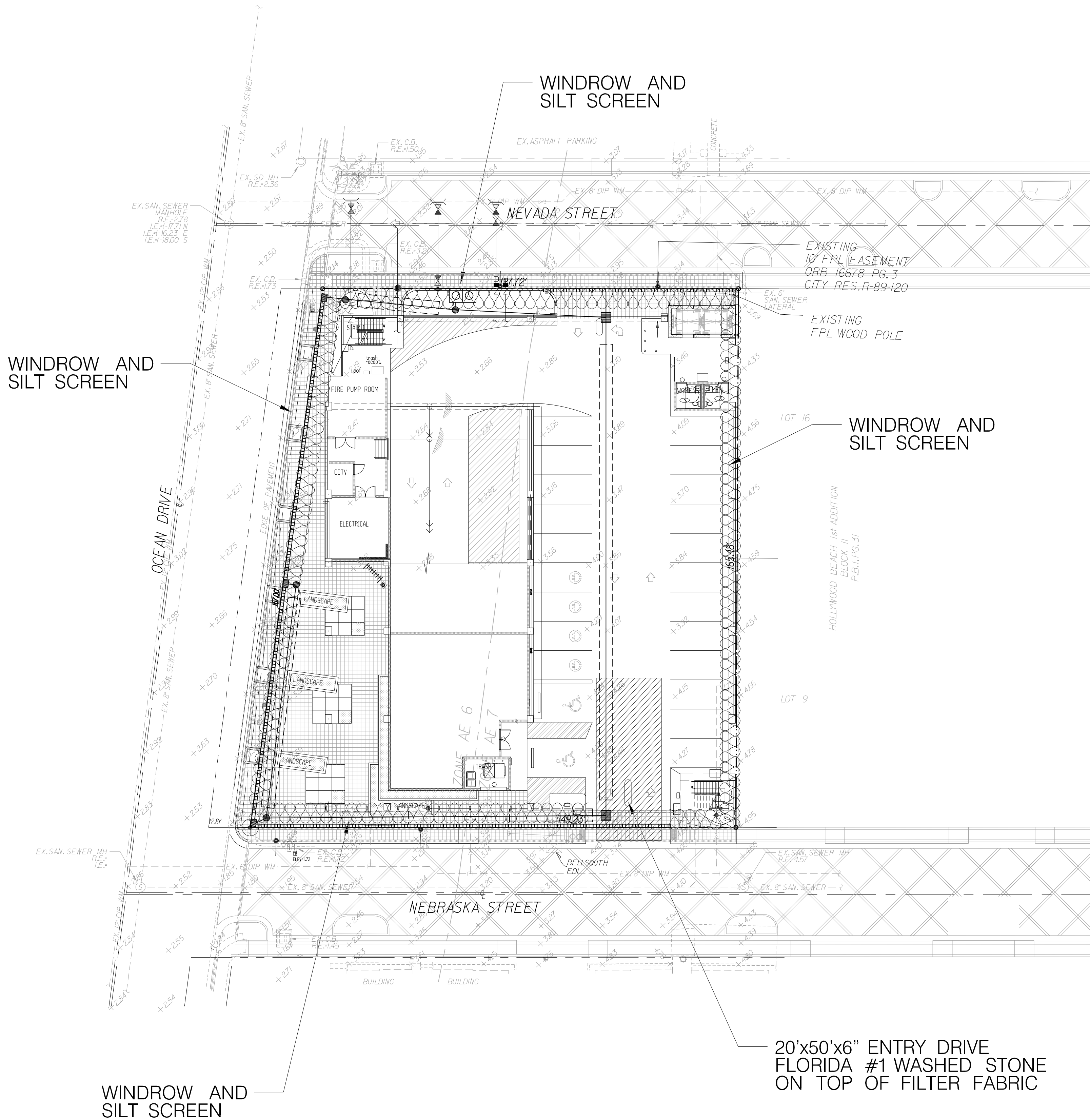
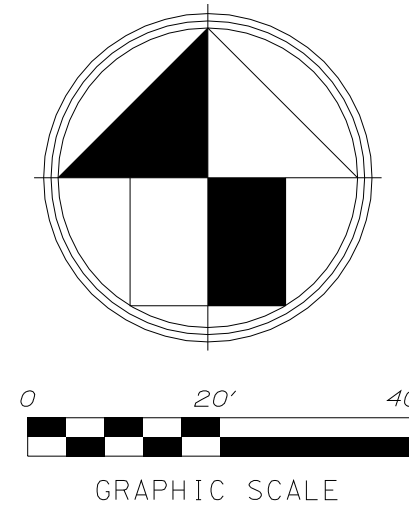
GARY G. BLOOM, P.E.  
FLA. LIC. NO. 39825  
NOT VALID UNLESS SIGNED  
AND SEALED BY ENGINEER





REVISIONS:	CLIENT:	PROJECT:	DATE:	SCALE:
1.	<b>Kaller Architects</b> 2417 Hollywood Boulevard Hollywood, Florida 33020-6605 (954) 920-5746	<b>NEBRASKA GARAGE</b>  <b>HOLLYWOOD</b>	<b>FLORIDA</b>	<b>1"=10'</b>
2.				
3.				
4.				
5.				
6.				
7.				
8.				
		<b>CONSTRUCTION DETAILS</b>		
<b>GGB Engineering, Inc.</b> 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) 986-8655				
		DESIGNED BY: G.C.B.		DRAWN BY: F.M.
		PROJECT NO. 14-0608		
		SHEET 5B		OF 8
GARY G. BLOOM, P.E. FLA. LIC. NO. 79832 NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER				





**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:

**NEBRASKA GARAGE**  
HOLLYWOOD  
FLORIDA

TASK:

**STORMWATER POLLUTION PREVENTION 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) 986-8655

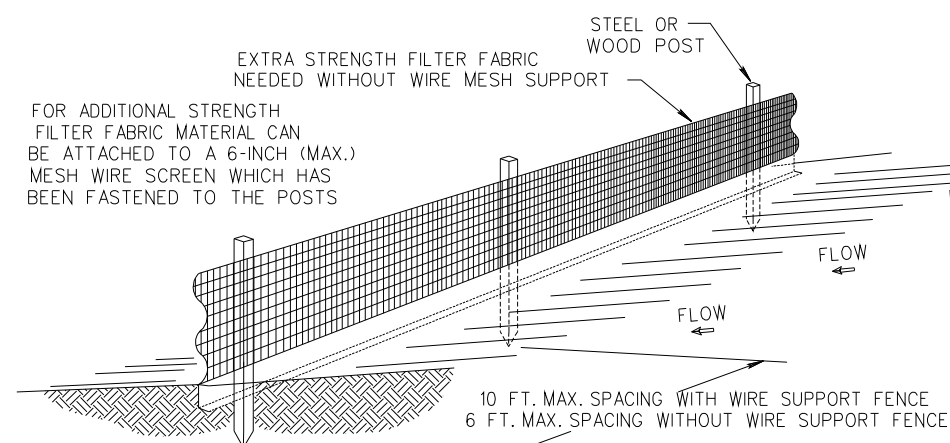
DATE:	May 2015	SCALE:	1"=10'
DESIGNED BY:	G.C.B.	DRAWN BY:	F.M.
PROJECT NO. 14-0608			
SHEET	6	OF	8

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

EROSION CONTROL NOTES DETAIL D9.1

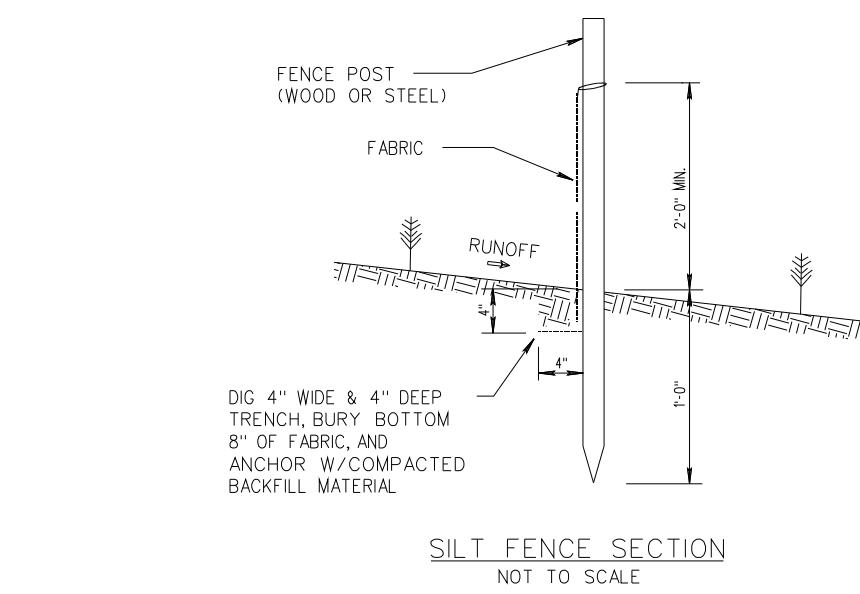
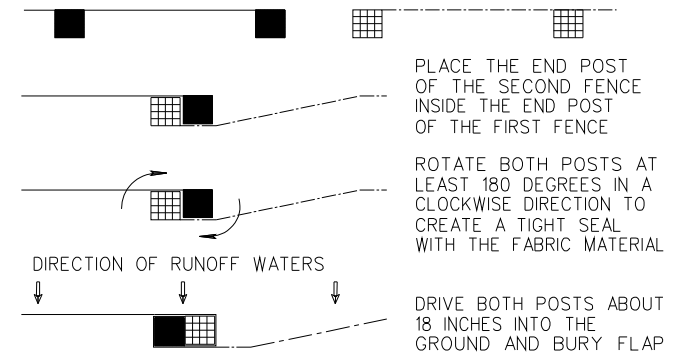
1. THE INTENT OF EROSION CONTROL MEASURES INDICATED GRAPHICALLY ON PLANS IS TO PROVIDE A BARRIER TO CONTAIN SILT AND SEDIMENT ON THE PROJECT SITE. THIS REPRESENTATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE TEST OF EROSION CONTROL EFFECTIVENESS IS NOT TO BE DETERMINED BY ADHERENCE TO THE 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.

SILT FENCE INSTALLATION DETAIL D 9.1a  
Sheet 1 of 2

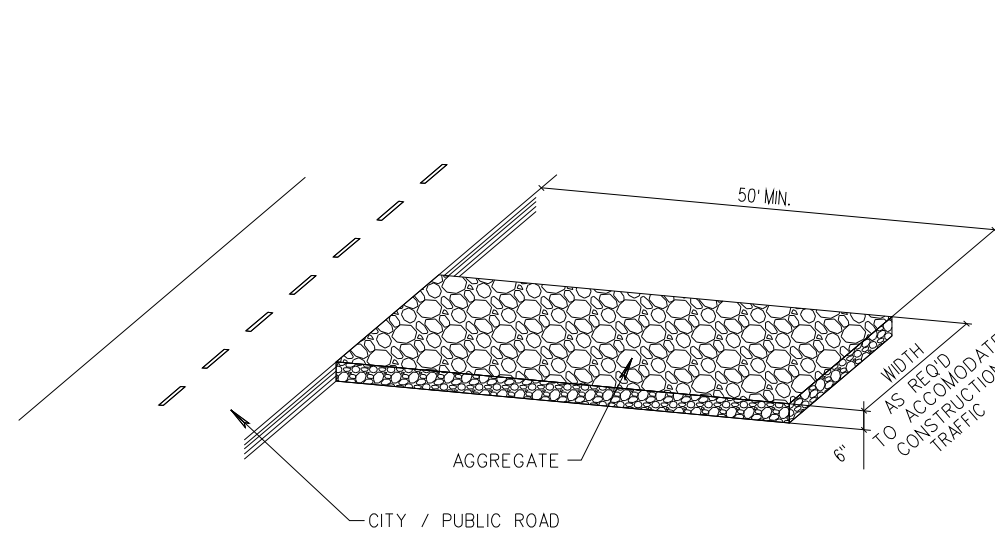


- NOTES:
1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
  2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
  3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY 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, THE WIRES OR HOE 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 9.1b  
Sheet 2 of 2

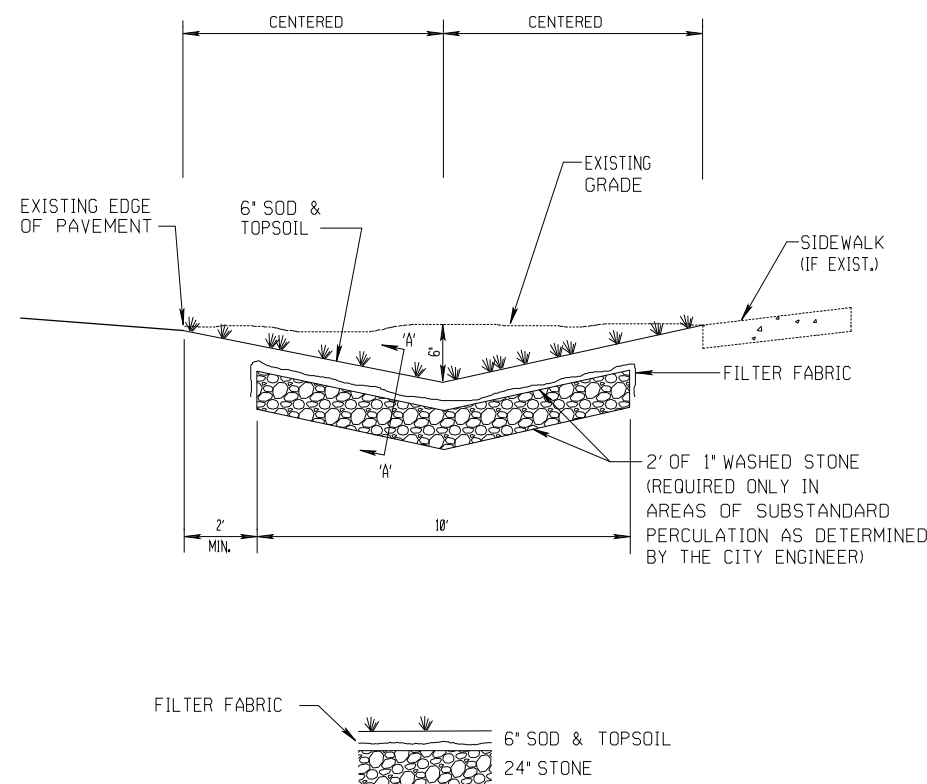


STABILIZED CONSTRUCTION ENTRANCE DETAIL D9.1C



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

SWALE REPLACEMENT DETAIL D10.1

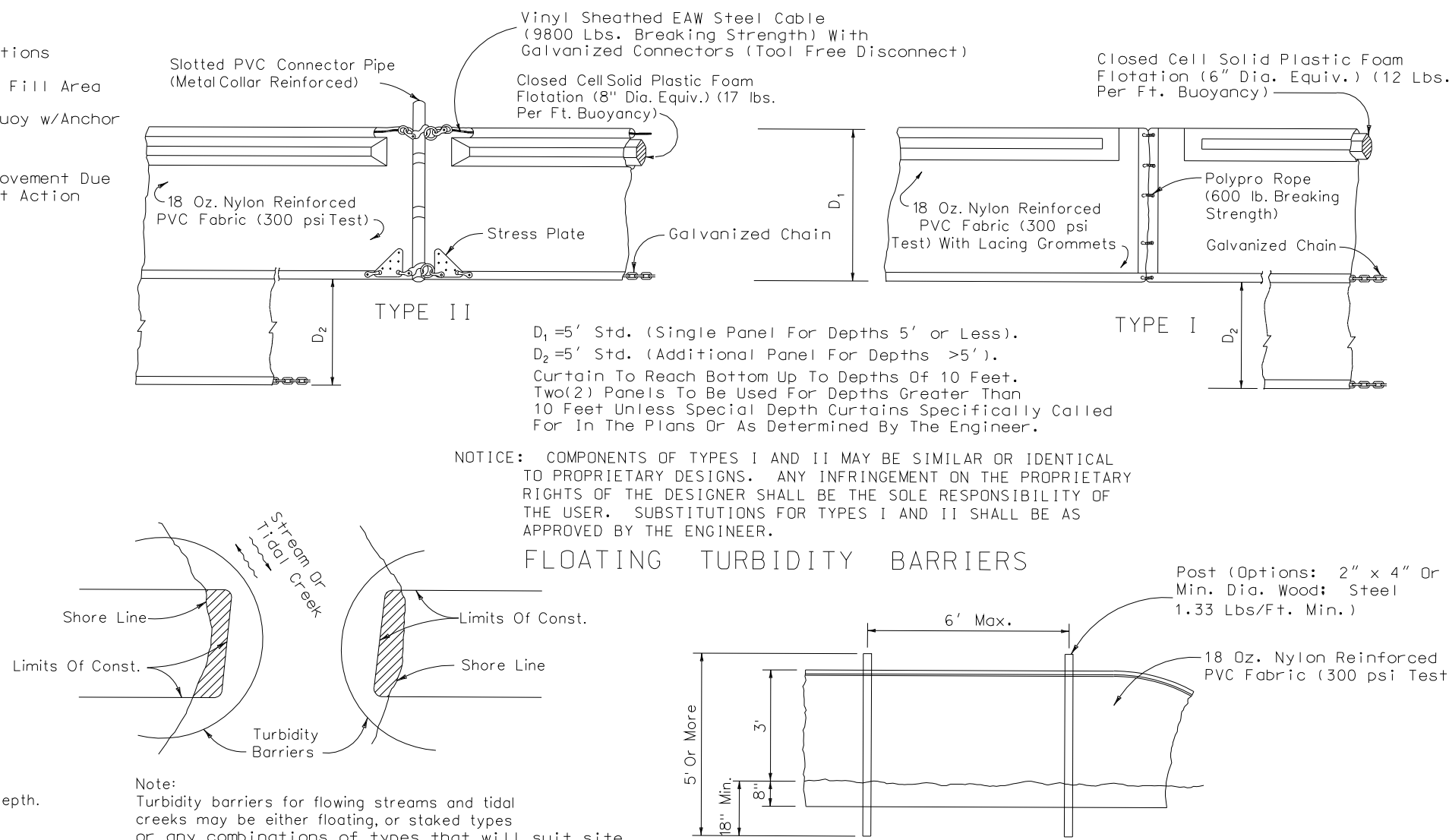
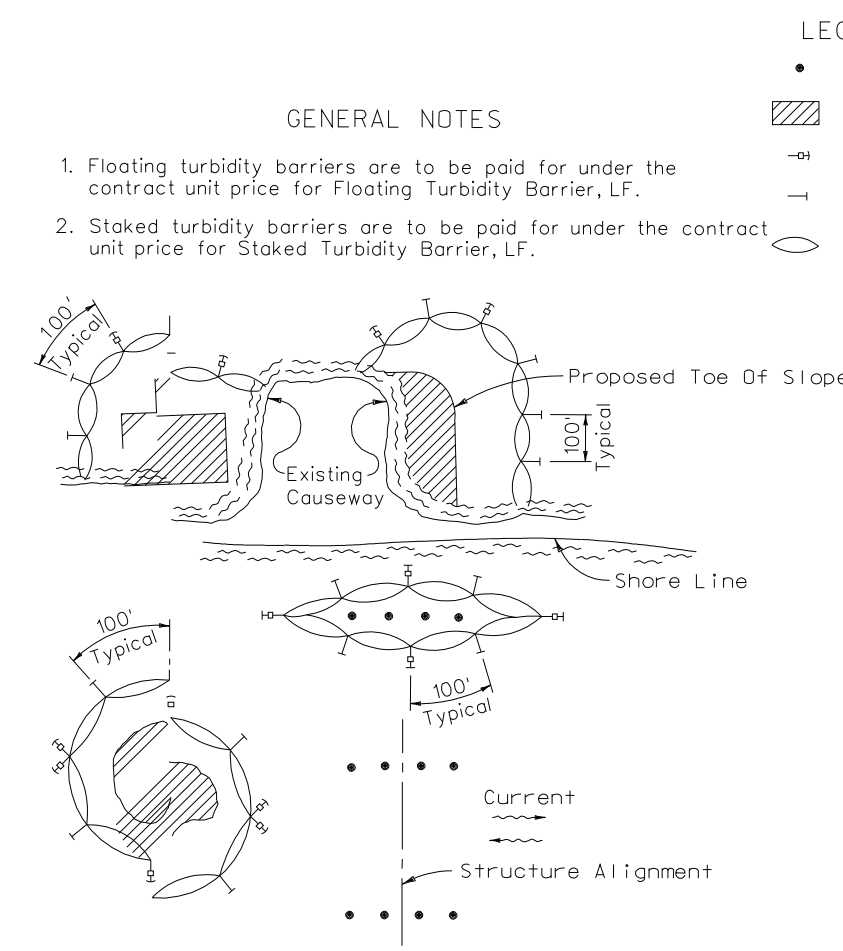


- NOTE:
1. CONTRACTOR TO REPLACE ALL IRRIGATION TREES & SHRUBBERY IN SWALES DAMAGED DURING CONSTRUCTION.

## TURBIDITY BARRIER APPLICATIONS

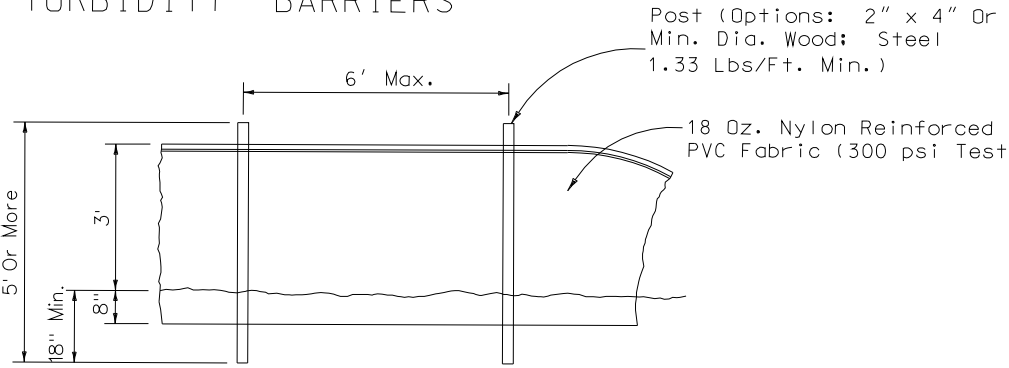
## TURBIDITY BARRIER DETAILS PER FDOT INDEX NO. 103

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.



NOTES: 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.

## STAKED TURBIDITY BARRIER



PROJECT:

FLORIDA

NEBRASKA GARAGE

CLIENT:

Kaller Architects

2417 Hollywood Boulevard

Hollywood, Florida 33020-6605

(954) 920-5746

REVISIONS:

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

GGB Engineering, Inc.

CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS

• CONSTRUCTION MANAGERS

FLORIDA REGISTRATION NO. 8188

2699 Stirling Road, Suite C-202

Fort Lauderdale, Florida 33312

Phone: (954) 986-9899

Fax: (954) 986-8655

DATE:

May 2015

DESIGNED BY:

G.C.B.

DRAWN BY:

F.M.

PROJECT NO.

14-0608

SHEET

7

OF


8

GARY G. BLOOM, P.E.  
FLA. LIC. NO. 78832  
NOT VALID UNLESS SIGNED  
AND SEALED BY ENGINEER

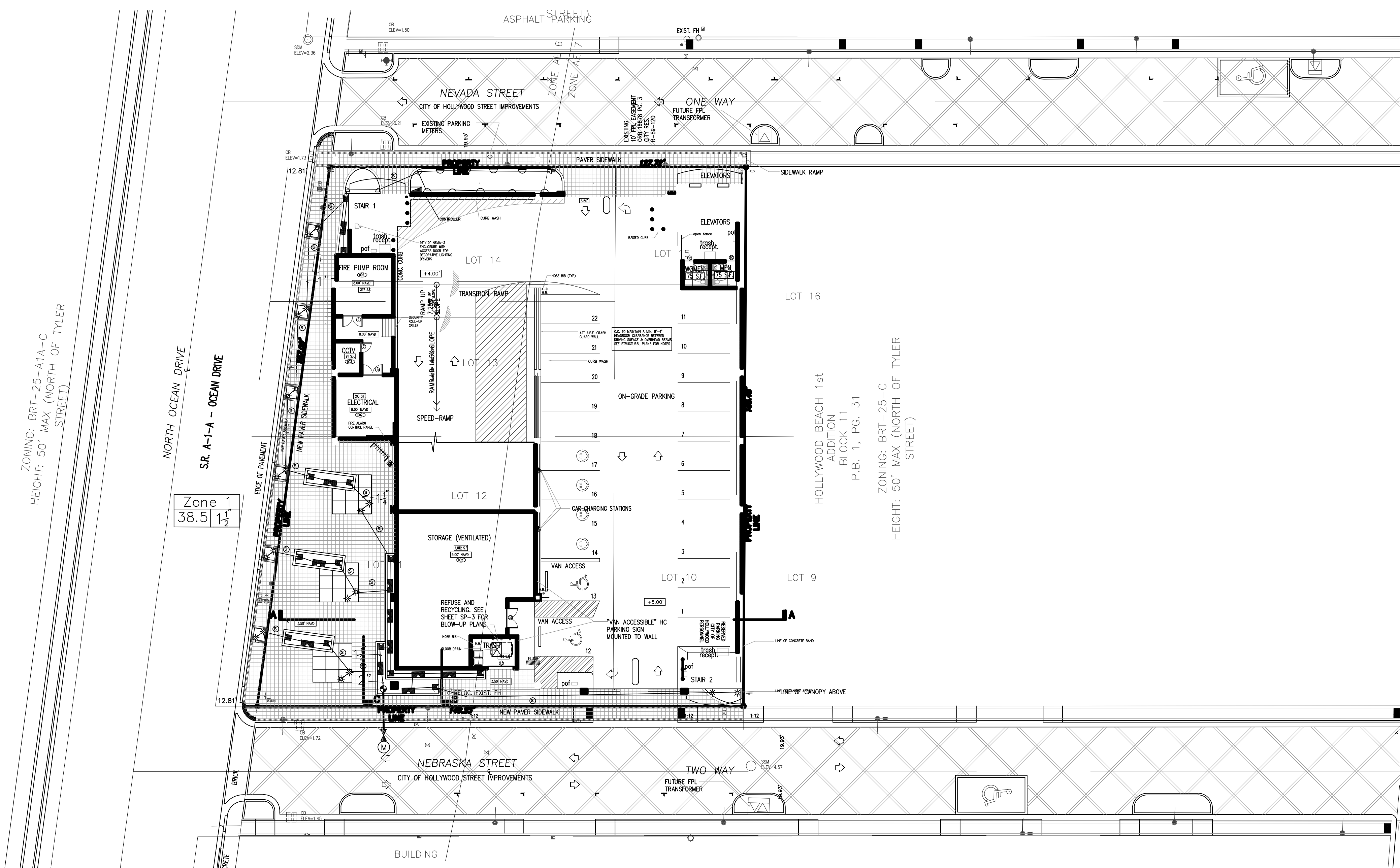


STORM WATER POLLUTION PREVENTION PLAN

[illegible]

		<b>NEBRASKA GARAGE</b> <b>HOLLYWOOD FLORIDA</b>		<b>Kaller Architects</b> <b>2417 Hollywood Boulevard</b> <b>Hollywood, Florida 33020-6605</b> <b>(954) 920-5746</b>		CLIENT:	
DATE: May 2015 DESIGNED BY: G.C.B.		SCALE: N.T.S. DRAWN BY: F.M.		PROJECT:		REVISIONS:	
PROJECT NO. 14-0608		SHEET 00 OF 00		TASK:		1. 2. 3. 4. 5. 6. 7. 8.	
GGB Engineering, Inc. CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS CONSULTING ENGINEERS FLORIDA REGISTRATION NO. 8168 2609 Stirling Road, Suite C-202 Fort Lauderdale, Florida 33312 Phone: (954) 986-9889 Fax: (954) 986-6655		<b>STORMWATER POLLUTION PREVENTION PLAN</b>					





**IRRIGATION LEGEND:**

MAIN LINE - 1-1/2" Feed From City Water Source

LATERAL ZONE LINES - SDR PVC as noted

ZONE BOUNDARIES

BACK FLOW: See Point of Connection Detail.

CONTROLLER - Toro Custom Command Series Electric 6 station controller: MCC-P-6 mounted on Southwest corner of structure, with a Rain Check automatic rain sensor shut-off switch mounted outside on eave of structure.

ZONE VALVES - Toro 252 Series.

PROPOSED WATER METER - 1" or per City Code.

SLEEVES - Sch. 40, 2 Sizes Larger, NDT - Pipe Size Shown is the Lateral Size, NDT the Sleeve Size

6" PDP-UP SPRAY - Toro 570 Series MPR Spray Nozzles as Required. NDT - All of the below may not be used

15' Series -	12' Series -	10' Series -	8' Series -
15-Q-PC - 1/4"	12-Q-PC - 1/4"	10-Q-PC - 1/4"	8-Q-PC - 1/4"
15-T-PC - 1/3"	12-T-PC - 1/3"	10-T-PC - 1/3"	8-T-PC - 1/3"
15-H-PC - 1/2"	12-H-PC - 1/2"	10-H-PC - 1/2"	8-H-PC - 1/2"
15-TT-PC - 2/3"	12-TT-PC - 2/3"	10-TT-PC - 2/3"	8-TT-PC - 2/3"
15-TQ-PC - 3/4"	12-TQ-PC - 3/4"	10-TQ-PC - 3/4"	8-TQ-PC - 3/4"
15-F-PC - Full	12-F-PC - Full	10-F-PC - Full	8-F-PC - Full

4S-SST-PC 4 x 18"

4-EST-PC 4 x 15"

4-CST-PC 4 x 30"

6" PDP-UP FLOOD BUBBLER - Toro 570 Series MPR Pressure Compensating Nozzles as Required.

SYSTEM DESIGN OPERATING PRESSURE = Between 35 and 40 psi.

Zone 2

37.6 1 1/2

Zone Number

Valve Size

GPM per Zone

4" PDP-UP ROTDR - Hunter PGM Rotor w/ Appropriate Nozzle as Required

**IRRIGATION NOTES:**

Piping:

Main Lines: PVC SDR 26, Class 160 Solvent Weld.

Zone Lines: PVC, 1/2 in. and 3/4 in. are not used. Min. pipe is 1 in. 315 PSI: 1 in. = SDR 21, 200 PSI: 1-1/4 in. and greater = SDR 26, 160 PSI. All solvent weld.

All end of the line unmarked pipe = 1 in. (min.).

Sleeves and suction Line: PVC, SCH 40.

Fittings: SCH 40 PVC

Fabrication: To manufacturers specifications. Use blue or grey PVC cement, square cut, clean and prime all joints.

Allow all main lines to cure for 24 hours before pressuring.

All pipe, fittings, and solvents to conform to latest ASTM specs.

Depth of Lines: Main Line and wiring = 18 in. depth, min. Steeking under pavement = 24 in. depth, min. Suction Line = 24 in. depth, nominal. Zone Lines 1-1/2 in. and smaller = 10 in. depth, min.

Control Wires: AWG 14 for all hot wires and AWG 12 for common. Solid copper type UL listed for direct burial. Run wires under main and tape every 20 feet. Run spares, two min. Splice wires only in a valve box. All splices shall be moisture proof using Snap tie or DEY UL connectors. Common shall be white, hot shall be red or color coded. Spare shall be black. Run in conduit where no Main line runs.

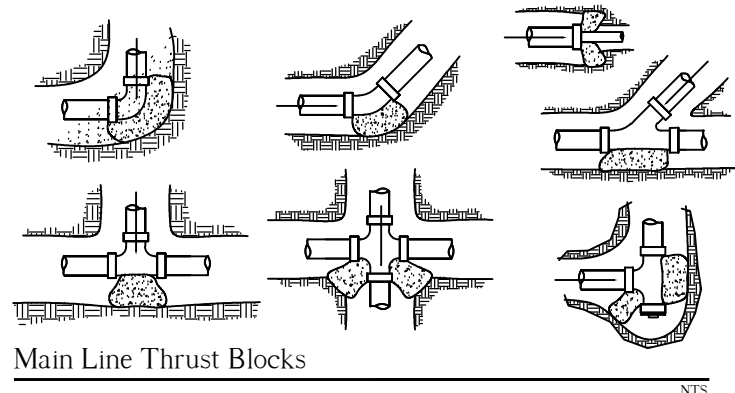
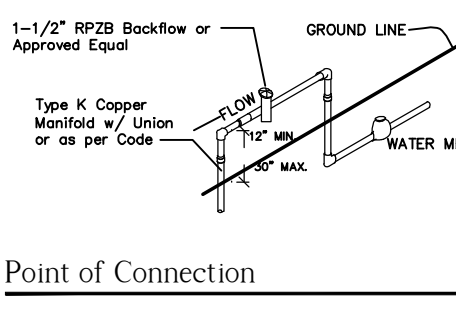
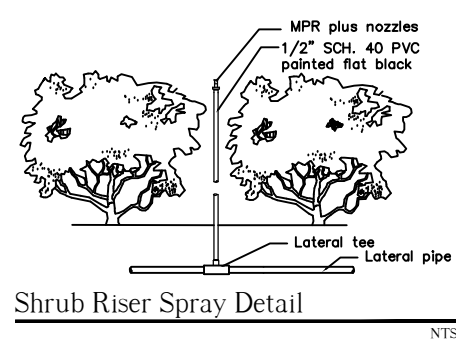
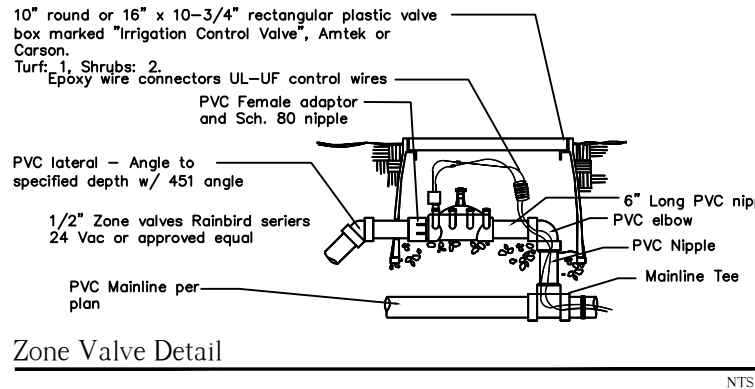
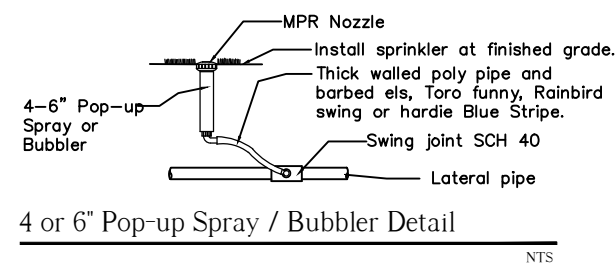
Backfill all trenches free of debris, compact to original density. Flush all lines, use screens in all heads, adjust heads for proper coverage avoiding excess water on walls, walks, etc.

All details are graphically shown only. All quantities shall be verified by the contractor prior to installation. It shall be the contractors responsibility to ensure complete overlapping coverage. Any discrepancies shall be reported to the owner and landscape architect before proceeding. Codes and local regulations shall take precedence over these plans, it is the contractors responsibility to comply. The landscape architect reserves the right to make minor field changes, the contractor may field adjust spray nozzle selection to provide for proper 100% min. coverage.

Provide owner with an accurate as installed plan(s) at completion showing main lines, wiring, valves, crossings, etc. using dimensions from fixed datum.

Contractor shall verify all underground utilities prior to commencement of work.

The perimeter irrigation and landscape may be required to be installed prior to either or both pump stations and all main line / valve wiring. A separate plan showing modifications and alternate water source will be provided prior to construction. The modifications will not impact upon the design intent or substantially affect the construction plan.



**TONNING & ASSOCIATES, INC.**  
Landscape Architecture & Land Planning

Landscape Architect - Florida License #6666709  
4855 NW 92 Terrace  
Coral Springs, Florida 33067  
Tel. 561-414-8265 Email: wtonning@tonningandassociates.com

DRWG. TITLE : IRRIGATION PLAN - GROUND FLOOR

PROJECT : NEBRASKA GARAGE  
327 NEBRASKA STREET  
HOLLYWOOD, FLORIDA 33019

CLIENT : KALLER ARCHITECTS

SEAL

PROJECT NO. 15-110

DRAWN BY WKT

DESIGNED BY WKT

CHECKED BY WKT

DATE : 04-17-15

DWG. NO. LI-1

SHT. NO. 1 of 2

REVISIONS : 11-18-16

WAYNE K. TONNING, RLA  
RLA #6666709



PROPOSED PLANT LIST  
TREES / PALMS

Code	Drought	QTY.	Botanical Name / Common Name
CN	V	3	Cococ nucifera / Coconut Palm
PL	(N)	3	Psidium littorale / Cattley Guava—Multi-Trunk
RE	V	6	Roystonea regia / Florida Royal Palm
TR	V	13	Thrinax radiata / Thatch Palm

ACCENTS / SHRUBS / GROUND COVERS

AJ	V	45	Trachelospermum asiaticum / Asiatic Jasmine
BRO	V	30	Bromeliads / Fire Ball Bromeliads
FMG	V	88	Ficus macrocarpa Green Island / Green Island Ficus
IVD	(N)	35	Ilex vomitoria / Dwarf Schellings Ilex
JNC	(N)	89	Juniperus conferta / Shore Juniper
LM	V	90	Lirape muscari / Lirape
PM	V	32	Podocarpus macrophylla / Podocarpus
PTV	V	18	Pittosporum tobira / Variegated Pittosporum
ZF	V	5	Zamia furfuracea / Cardboard Plant

MISCELLANEOUS

(N)	Florida Native Plant Species
L	Low Drought Tolerance
M	Moderate Drought Tolerance
V	Very Drought Tolerant

Specifications

B&B Field Grown, 20–25' OA  
B&B Field Grown, 10–12' OA, 4' Clear Trunks  
B&B Field Grown, 20–25' OA  
B&B Field Grown, 8–10' OA

1 Gal., 12" OC  
1 Gal., 12" OC  
3 Gal., 24" OA, 2' OC  
3 Gal., 24" OA, 2' OC  
3 Gal., 24" OA, 2' OC  
1 Gal., 12" OC  
3 Gal., 24" OA, 2' OC  
3 Gal., 24" OA, 30" OC  
7 Gal., 36" OA, 30" OC

NOTES:

GENERAL PLANTING REQUIREMENTS

All sizes shown for plant material on the plans are to be considered Minimum. All plant material must meet or exceed these minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan(s) will also be required for final acceptance.

All plant material furnished by the landscape contractor shall be Florida #1 or better as established by "Grades and Standards for Florida Nursery Plants" and "Grades and Standards for Florida Nursery Trees". All material shall be installed as per CSI specifications.

All plant material as included herein shall be warranted by the landscape contractor for a minimum period as follows: All trees and palms for 12 months, all shrubs, vines, groundcovers and miscellaneous planting materials for 90 days, and all lawn areas for 60 days after final acceptance by the owner or owner's representative.

All plant material shall be planted in planting soil that is delivered to the site in a clean loose and friable condition. All soil shall have a well drained characteristic. Soil must be free of all rocks, sticks, and objectionable material including weeds and weed seeds as per CSI specifications.

Twelve inches (12") of planting soil 50/50 sand/topsoil mix is required around and beneath the root ball of all trees and palms, and 1 cubic yard per 30 bedding or groundcover plants.

All landscape areas shall be covered with Eucalyptus or sterilized seed free Melaleuca mulch to a minimum depth of three inches (3") of cover when settled. Cypress bark mulch shall not be used.

All plant material shall be thoroughly watered in at the time of planting, no dry planting permitted. All plant materials shall be planted such that the top of the plant ball is flush with the surrounding grade.

All landscape and lawn areas shall be irrigated by a fully automatic sprinkler system adjusted to provide 100% coverage of all landscape areas. All heads shall be adjusted to 50% overlap as per manufacturers specifications and performance standards utilizing a rust free water source. Each system shall be installed with a rain sensor.

Each lot shall supply, install, and maintain an individual irrigation system for that individual lot.

It is the sole responsibility of the landscape contractor to insure that all new plantings receive adequate water during the installation and during all plant warranty periods. Deep watering of all new trees and palms and any supplemental watering that may be required to augment natural rainfall and site irrigation is mandatory to insure proper plant development and shall be provided as a part of this contract.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Wayne K. Tanning, S.L.A.

The plan takes precedence over the plant list.

SPECIAL INSTRUCTIONS

General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site grading and final decorative berm shaping shall be provided by the landscape contractor.

All sod areas as indicated on the planting plan shall receive Stenotaphrum secundatum, St. Augustine Floratam solid sod. It shall be the responsibility of the landscape contractor to include in the bid, the repair of any sod which may be damaged from the landscape installation operations.

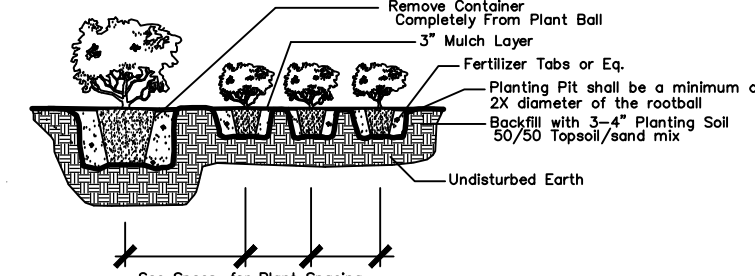
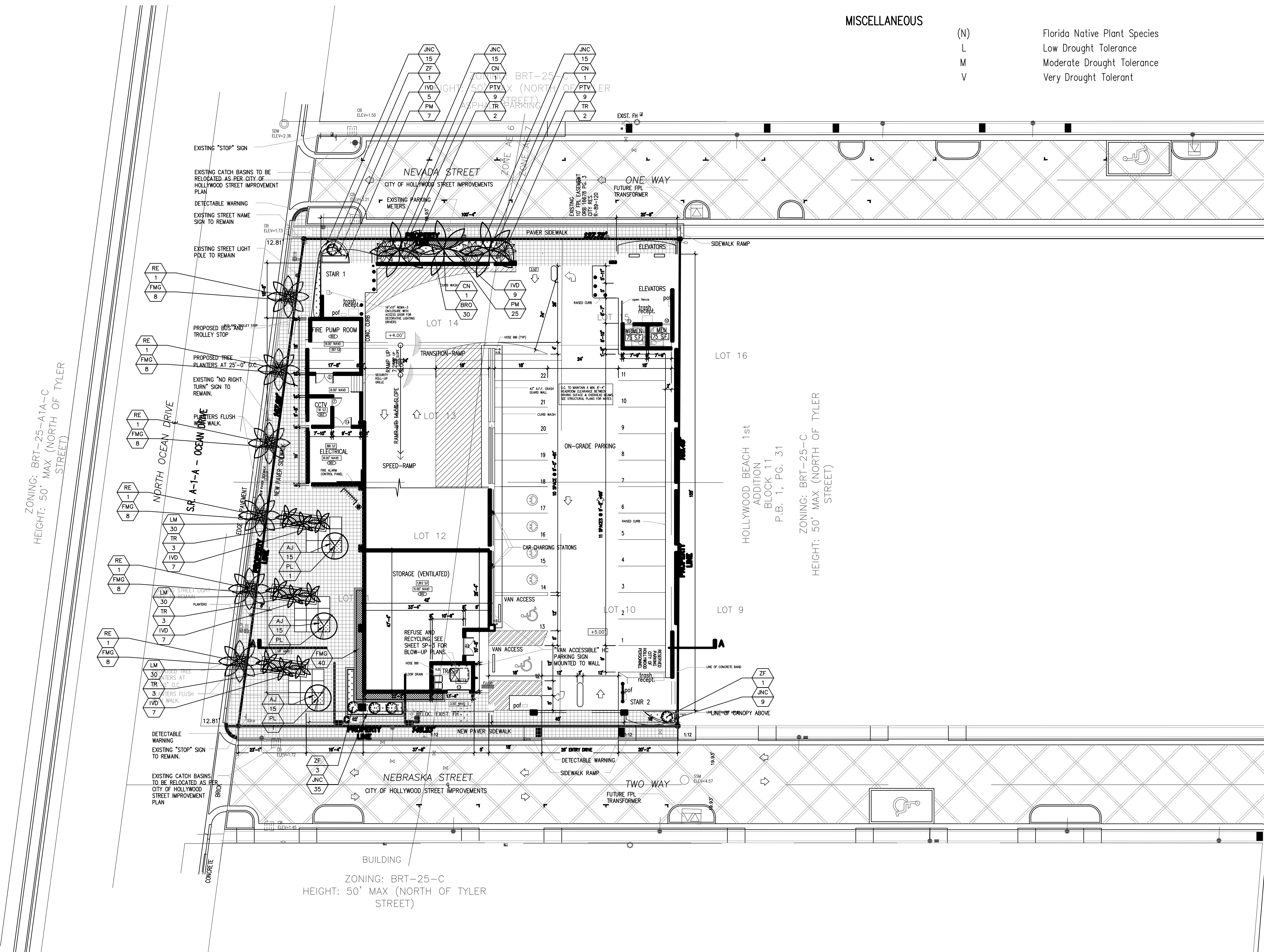
All existing palms to be trimmed and cleaned.

Existing automatic underground irrigation is functional. Rain sensor is to be provided/active.

Landscape permits are required before any planting occurs. Permits are obtained from the Building Department.

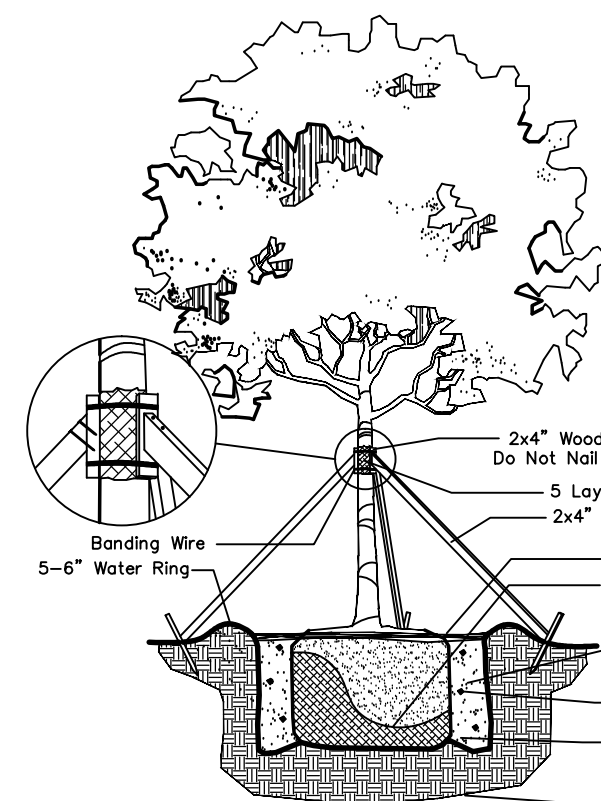
Trees are to be planted at a depth so that the root-flare and top of first order root(s) are fully visible.

Existing trees, palms, accents, hedges, shrubs, groundcover and sod must be healthy, maintained and live at final inspection. Also, the existing hedges must be continuous and at least 24" tall.



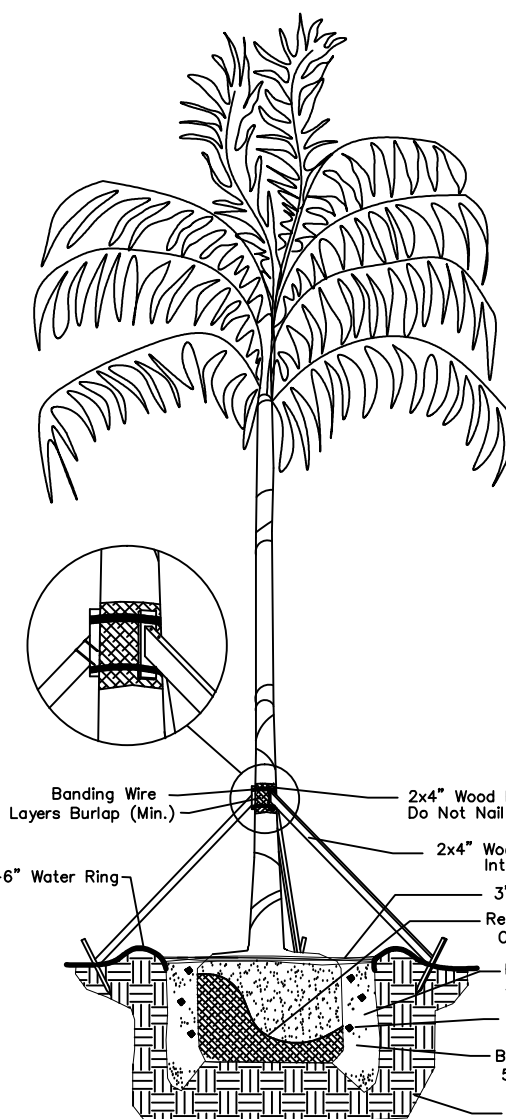
Shrub & Ground Cover Planting Detail

NTS



Large Tree Planting Detail

NTS



Palm Planting Detail

Not to Scale

LANDSCAPE PLAN

SCALE: 1" = 20'-0"



SEAL

PROJECT NO. 15-110  
DRAWN BY WKT  
DESIGNED BY WKT  
CHECKED BY WKT  
DATE : 04-17-15  
DWG. NO. LP-1  
SHT. NO. 1 of 2  
REVISIONS :  
12-07-15  
11-18-16

DRWG. TITLE : LANDSCAPE PLAN – GROUND FLOOR

PROJECT : NEBRASKA GARAGE

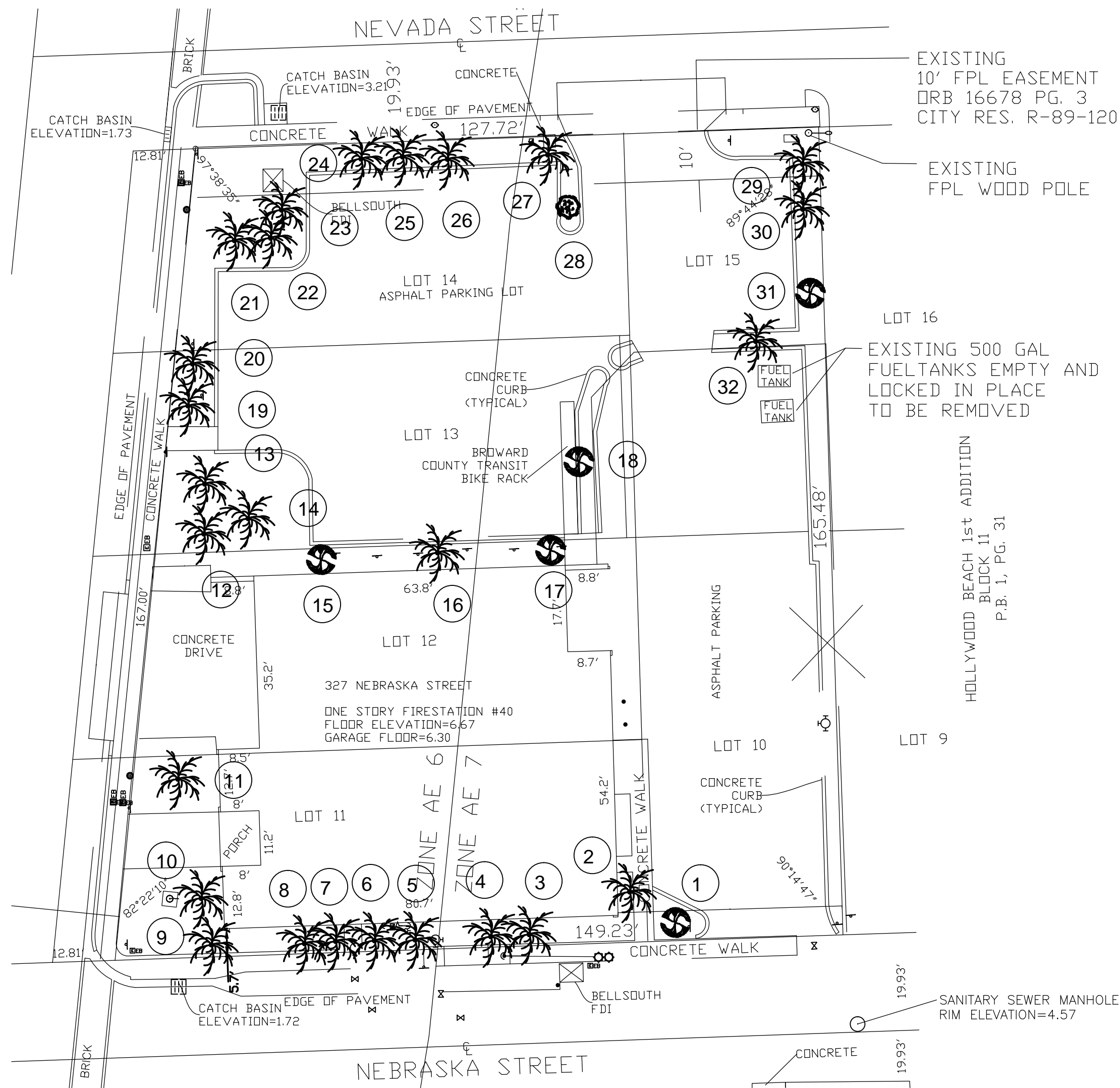
327 NEBRASKA STREET  
HOLLYWOOD, FLORIDA 33019

CLIENT : KALLER ARCHITECTS



Landscape Architect – Florida License #6666709  
4855 NW 92 Terrace  
Coral Springs, Florida 33067  
Tel: 561-414-8269  
Email: wtonning@tonningandassociates.com

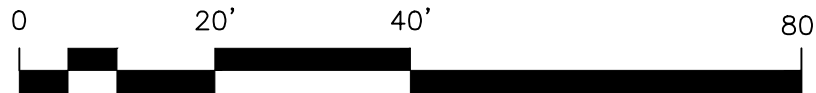





NEBRASKA GARAGE — HOLLYWOOD, FLORIDA									
Tree #	Type	Caliper	Height	Width Of Canopy	Disposition			Condition	
					Remove	Remain	Relocate		
1	Carrotwood	10"	25'	25'	x			Good	
2	Sabal Palm	10"	6'	5'	x			Good	
3	Sabal Palm	10"	15'	7'	x			Good	
4	Sabal Palm	10"	15'	7'	x			Good	
5	Sabal Palm	10"	15'	7'	x			Good	
6	Sabal Palm	10"	15'	7'	x			Good	
7	Sabal Palm	10"	15'	7'	x			Good	
8	Sabal Palm	10"	15'	7'	x			Good	
9	Sabal Palm	10"	15'	7'	x			Good	
10	Royal Palm	16"	25'	15'	x			Good	
11	Royal Palm	16"	25'	15'	x			Good	
12	Royal Palm	16"	25'	15'	x			Good	
13	Royal Palm	16"	25'	15'	x			Good	
14	Royal Palm	16"	25'	15'	x			Good	
15	Carrotwood	8"	20'	15'	x			Good	
16	Sabal Palm	10"	20'	10'	x			Good	
17	Carrotwood	8"	20'	15'	x			Good	
18	Carrotwood	6"	15'	10'	x			Good	
19	Sabal Palm	10"	15'	10'	x			Dead	
20	Sabal Palm	10"	15'	10'	x			Good	
21	Coconut Palm	12"	25'	15'	x			Good	
22	Coconut Palm	12"	25'	15'	x			Good	
23	Coconut Palm	12"	25'	15'	x			Good	
24	Sabal Palm	10"	20'	10'	x			Good	
25	Sabal Palm	10"	20'	10'	x			Good	
26	Sabal Palm	10"	20'	10'	x			Good	
27	Sabal Palm	10"	20'	10'	x			Good	
28	Ligustrum	3"	6'	6'	x			Good	
29	Sabal Palm	10"	15'	15'	x			Good	
30	Sabal Palm	10"	15'	15'	x			Good	
31	Ligustrum	3"	6'	6'	x			Good	
32	DEAD-Stump	0	0	0	x			Good	

WIRE METAL SCREEN TRELLIS FOR VINE

EXISTING CONDITIONS PLAN  
SCALE: 1" = 20'-0"





**TONNING & ASSOCIATES, INC.**  
Landscape Architecture & Land Planning  
Landscape Architect — Florida License #6666709  
4855 NW 92 Terrace  
Coral Springs, Florida 33067  
Tel. 561-414-8265 Email: wtonning@tonningandassociates.com

DRWG. TITLE : EXISTING LANDSCAPE PLAN  
PROJECT : NEBRASKA GARAGE  
327 NEBRASKA STREET  
HOLLYWOOD, FLORIDA 33019  
CLIENT : KALLER ARCHITECTS

SEAL  
WAYNE K. TONNING, RLA  
RLA #6666709

PROJECT NO. 15-110  
DRAWN BY WKT  
DESIGNED BY WKT  
CHECKED BY WKT  
DATE : 04-17-15  
DWG. NO. LP-2  
SHT. NO. 2 of 2  
REVISIONS :  
08-04-15  
11-18-16