EXHIBIT"4"

Hallandale Beach, Florida, 33009





LEGAL DESCRIPTION

BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0121 LOT 19, BLOCK 1 OF BENNET PIPES FIRST ADDITION TO TOWN OF HALLANDALE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0120

JURISDICTION:

BROWARD COUNTY

STATE OF FLORIDA

CITY OF HALLANDALE BEACH

PROPERTY ADDRESS

613 - 625 WEST HALLANDALE BEACH BLVD. HALLANDALE BEACH, FL 33009

NFPA 1, NFPA 101, LIFE SAFETY CODE, 2018 EDITION

BUILDING CODES: FLORIDA BUILDING CODE 2017 6th EDITION

CITY OF HOLLYWOOD ZONING CODE

SITE INFORMATION

COMMERCIAL

FIRE CODE, 2018 EDITION

- EXISTING ZONING: B/-G (BUSINESS GENERAL) - LAND USE DESIGNATION: RDO (REDEVELOPMENT OVERLAY) - CURRENT USE: VACANT / SINGLE FAMILY RESIDENTIAL COMMERCIAL-RETAIL - PROPOSED USE: - LOT AREA: 45,000 S.F. (1.03 ACRES) B-G (BUSINESS GENERAL) - ADJACENT ZONING: B-G (BUSINESS GENERAL) SOUTH RS-7 (RESIDENTIAL SINGLE FAMILY) B-G (BUSINESS GENERAL) - FEMA FLOOD HAZARD: ZONE-X (0.2% ANNUAL CHANCE OF FLOOD HAZARD) REQUIRED

(a) FRONT (HALLANDALE BEACH BLVD) 15'-0" M**I**N 10'-1" (MONUMENT SIGN) - 10'-6" (BUILDING) (b) SIDE INTERIOR (WEST) 0'-0" 3'-8" (TO MONUMENT SIGN) (c) SIDE INTERIOR (EAST) 0'-0" 5'-9" (BUILDING) - 1" (PL WALL)

(d) REAR (S.W. 1ST STREET) 25'-0" 28'-6" REQUIRED **PROVIDED** - Parking: RETAIL (1:300 S.F.) 12,096 S.F./ 300= 43 SPACES TOTAL 40 SPACES 41 SPACES (INCL. 2 ADA) (+2 TEMP. SPACES @ F.D.O.T. CROSS ACCESS EASEMENT)

- LOADING: COMMERCIAL 2 SPACES 1 SPACE (VARIANCE REQUESTED) PERVIOUS

> 15% (MIN) LANDSCAPE______ 7,122 S.F. OR 16% OR 6,750 S.F.

VARIANCES

SETBACKS **PROVIDED** (A) FRONT SETBACK (BISCAYNE) 15'-0" MAX 10'-1" (MONUMENT SIGN) -10'-6" (BUILDING) (B) LOADING AREA

OWNER: REUBEN EZEKIEL 801 S UNIVERSITY DRIVE PLANTATION, FL 33324 PH: 954-4742019

KALLER ARCHITECTURE JOSEPH B. KALLER, AP, AIA, LEED 2417 HOLLYWOOD BLVD HOLLYWOOD, FLORIDA 33020

ACCURATE LAND SURVEYORS, INC 1150 E ATLANTIC BLVD POMPANO BEACH, FLORIDA 33060

PH: 954-782-1441

PROJECT TEAM

T-1.0 COVER SHEET/ LOCATION MAP/ PROJECT INFO SU-1 SURVEY SPD-1 SITE PLAN - DEMOLITION SP-1.0 NEW SITE PLAN SP-2.0 SITE DETAILS SP-2.1 SITE DETAILS SPH-1 SITE LIGHTING & PHOTOMETRICS

LANDSCAPING LI-1 IRRIGATION PLAN LP-1 LANDSCAPE PLAN

C-1 PAVING/ GRADING AND DRAINAGE PLAN C-1A PAVEMENT MARKINGS AND SIGNAGE PLAN WATER AND SEWER PLAN GENERAL NOTES AND CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS CONSTRUCTION DETAILS CONSTRUCTION DETAILS C-8 STORMWATER POLLUTION PREVENTION PLAN

C-9 STORMWATER POLLUTION PREVENTION NOTES

ARCHITECTURAL:

A.1-0 NEW FLOOR PLAN A.2-0 NEW ROOF PLAN A-3.0 NORTH & EAST ELEVATION A-4.0 SOUTH & WEST ELEVATION A-5.0 BUILDING SECTIONS

A-6.0 CONCEPTUAL RENDERINGS

STRUCTURAL ENGINEERING:

CIVIL ENGINEER:
GGB ENGINEERING, INC

2699 STIRLING RD, SUITE C-202

ONNING AND ASSOCIATES. INC

FORT LAUDERDALE, FL, 33312

PH: 954-986-9899

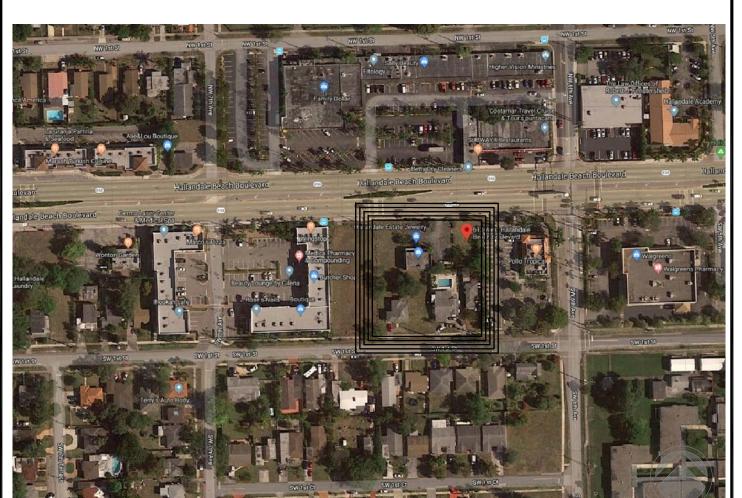
4855 NW 92 TERRACE

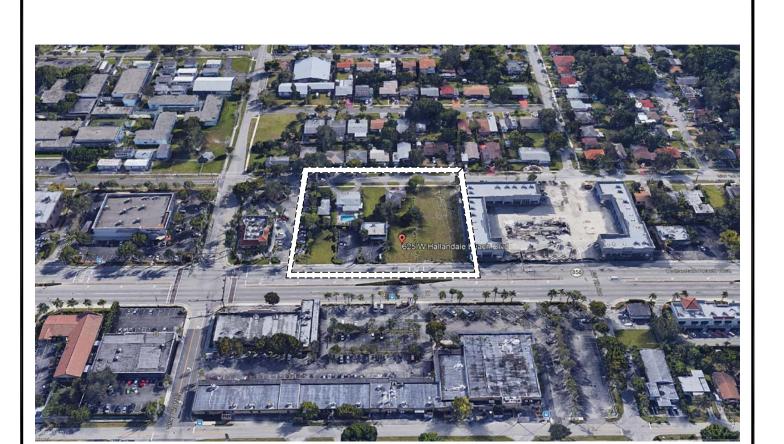
CORAL SPRINGS, FL, 33067 PH: 561-414-8269

MECHANICAL ENGINEERING:

ELECTRICAL ENGINEERING:

PLUMBING ENGINEERING:





NORTH

. PERMITS: CONTRACTOR SHALL CONTAIN IN THEIR BID AS WELL AS SECURE ALL NECESSARY BUILDING PERMITS, NOT LIMITED,

THE NATURE OF EXISTING CONDITIONS, THE LOCATION OF EXISTING UTILITIES AND ANY OTHER CONDITIONS SURROUNDING AND 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, AT IS THE RESPONSIBILITY OF THE CONTRACTOR TO

6. COMPLY AT ALL TIMES WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE, LIFE AND SAFETY CODE (N.F.P.A. 101), AND ALL LOCAL

7. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT ONE COPY ON REPRODUCIBLE SEPIA 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.

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 SWEPT BROOM CLEAN, CARPETS VACUUMED, FIXTURES WASHED AND ALL LABELS REMOVED.

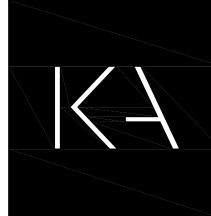
14. STORE MATERIALS IN A SAFE AND APPROVED LOCATION. COMPLY WITH ALL REGULATIONS GOVERNING THE NEIGHBORHOOD AS TO MINIMIZE INTERRUPTIONS AND/ OR INTERFERENCE WITH ANY OF THE SURROUNDING OPERATIONS.

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

GENERAL NOTES

- ELECTRIC VEHICLE (EV) CHARGING STATION/ PARKING.
- BICYCLE PARKING.
- RECYCLE BIN PROVIDED WITHIN DUMPSTER ENCLOSURE.
- . CENTRAL AIR CONDITIONER OF 18 SEER OR HIGHER SHALL BE PROVIDED.
- WINDOWS SHALL BE LOW-E.
- DOORS SHALL BE ENERGY EFFICIENT.
- ROOFING MATERIALS ARE ENERGY STAR RATED.
- 8. ALL THERMOSTATS PROVIDED SHALL BE PROGRAMMABLE. 9. 100% OF THE LANDSCAPING MEETS THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT RECOMMENDATIONS.
- 10. OUTDOOR LIGHTING SHALL BE ENERGY-EFFICIENT.
- 11. ALL HOT WATER PIPES HAVE A MINIMUM OF $\frac{1}{2}$ " INSULATION.

GREEN BUILDING PRACTICES



Kaller Architecture 2417 Hollywood Blvd. Hollywood Florida 33020

> joseph@kallerarchitects.com www.kallerarchitects.com

954.920.5746

JOSEPH B. KALLER

FLORIDA R.A. # 0009239

REVISIONS No. DATE DESCRIPTION

9/21/18 MDR COMMENTS

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CHECKED BY:

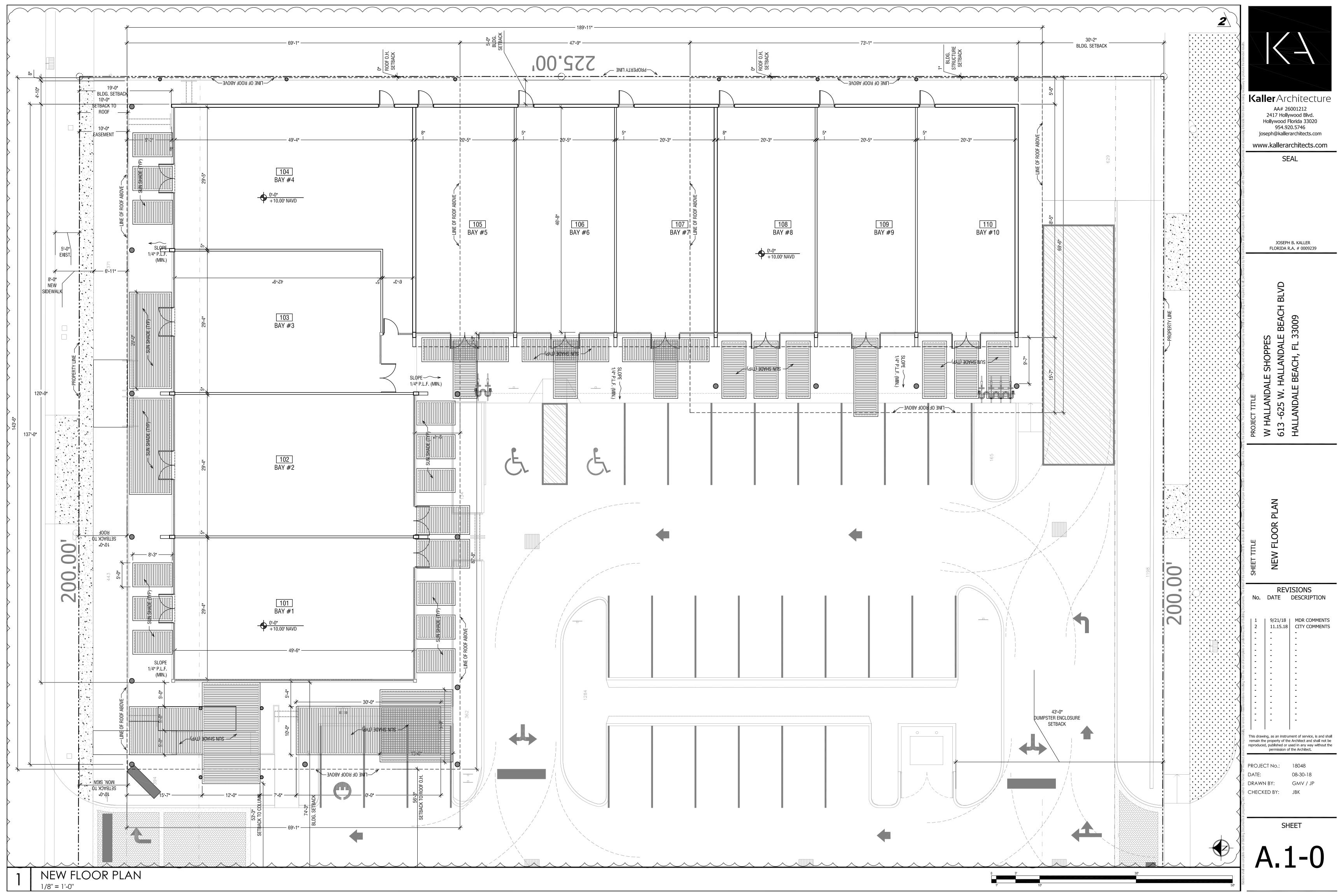
SHEET

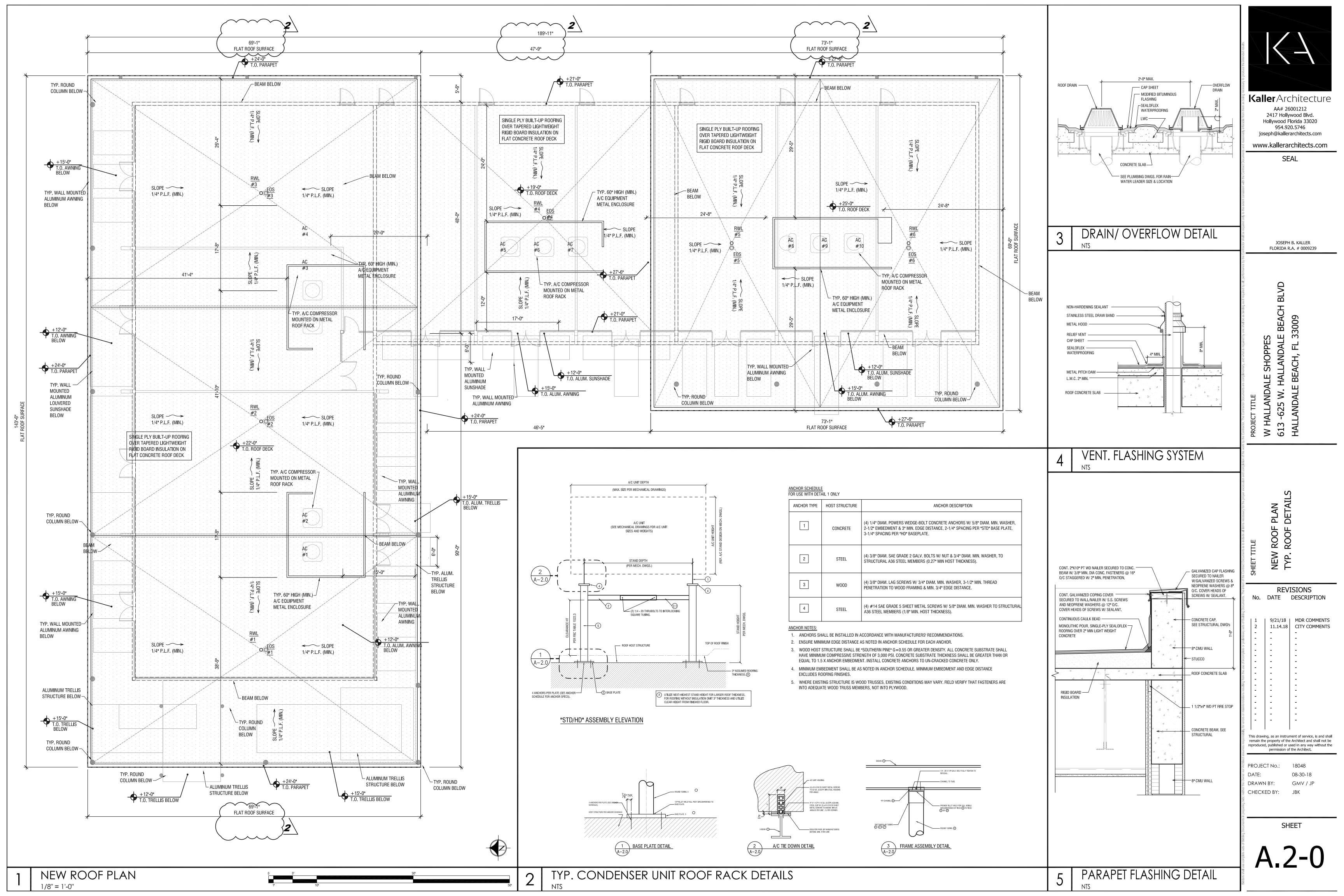
PROJECT INFORMATION

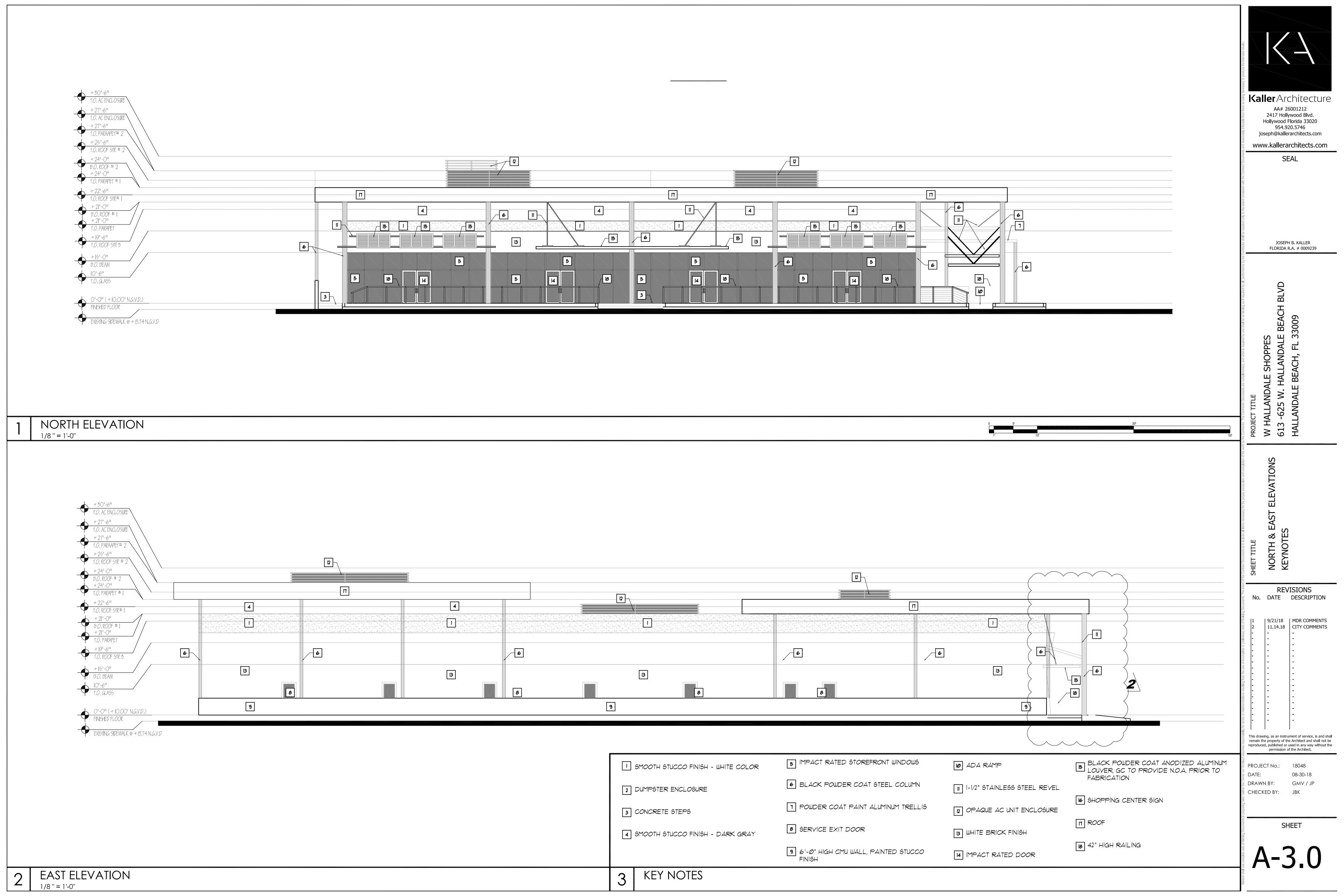
DRAWING INDEX

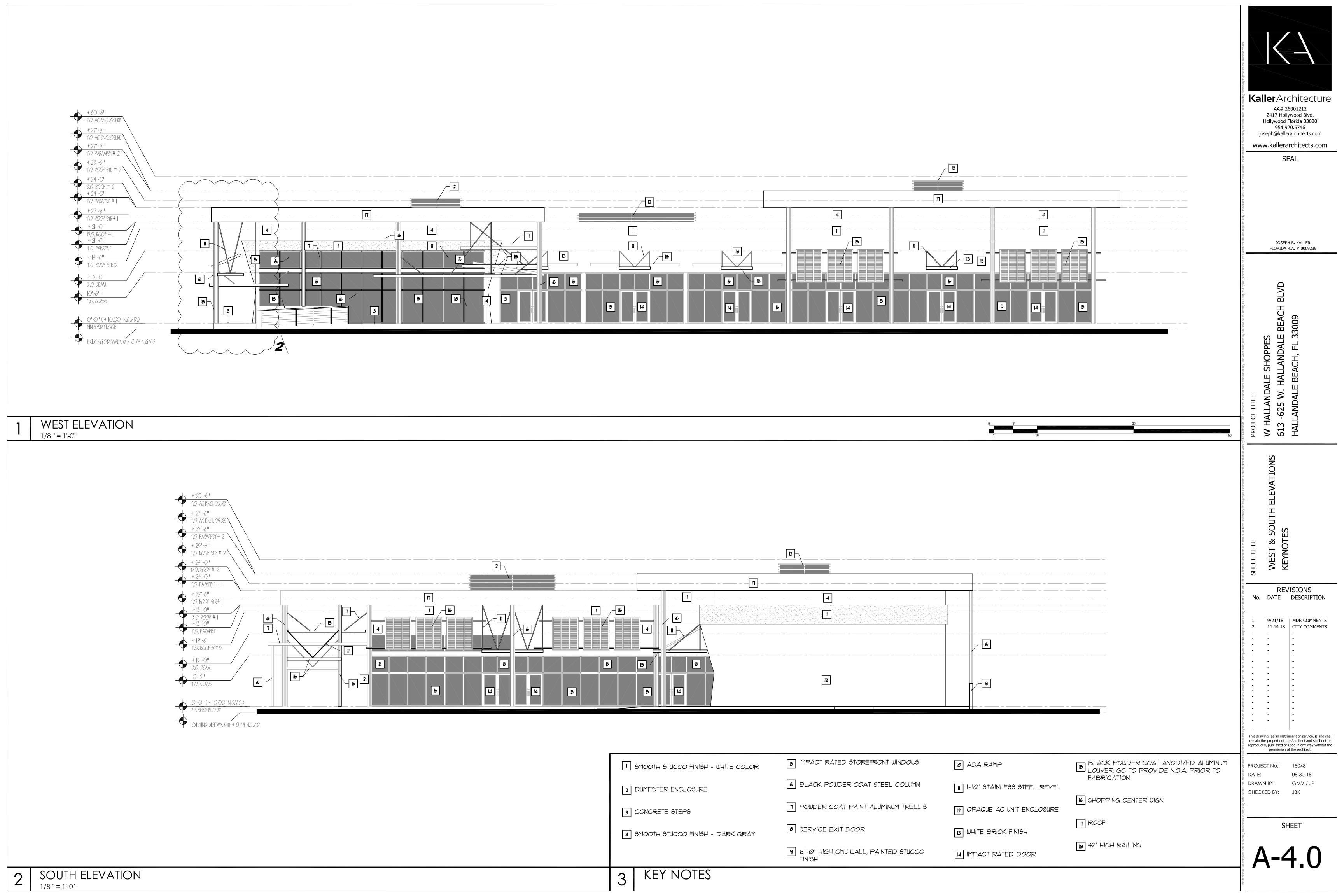
AERIAL VIEW

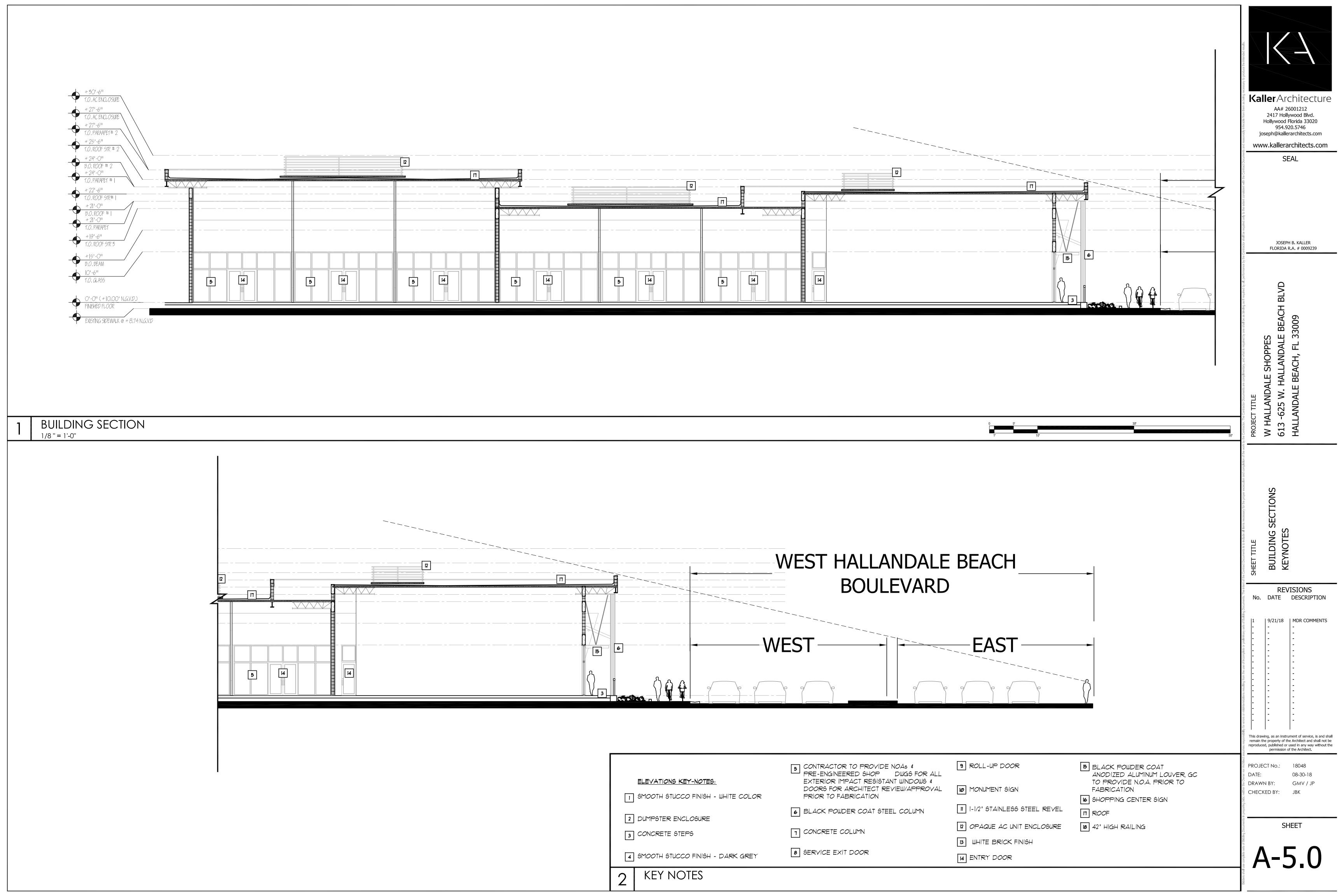
LOCATION MAP















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

www.kallerarchitects.com

SEAL

JOSEPH B. KALLER FLORIDA R.A. # 0009239

REVISIONS
No. DATE DESCRIPTION

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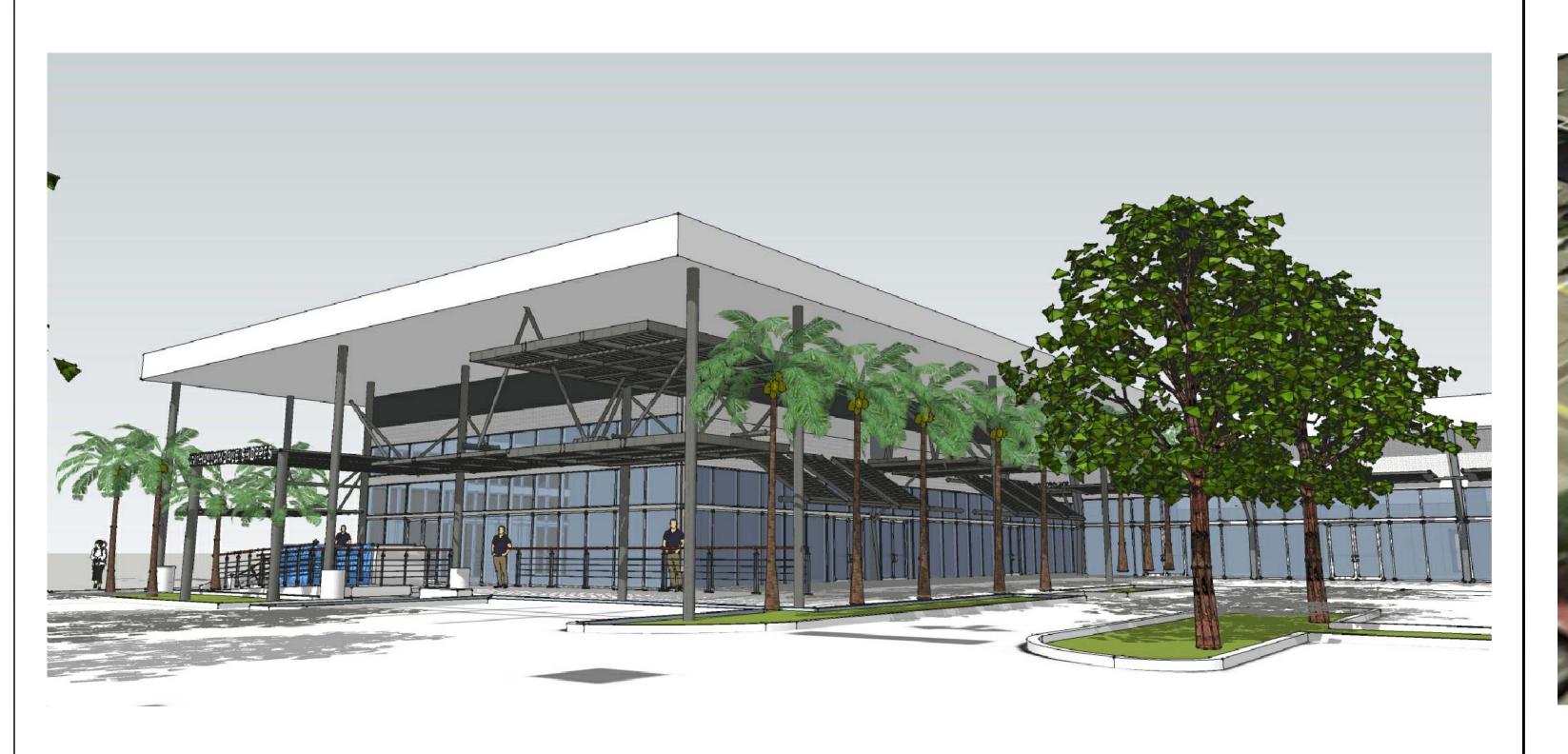
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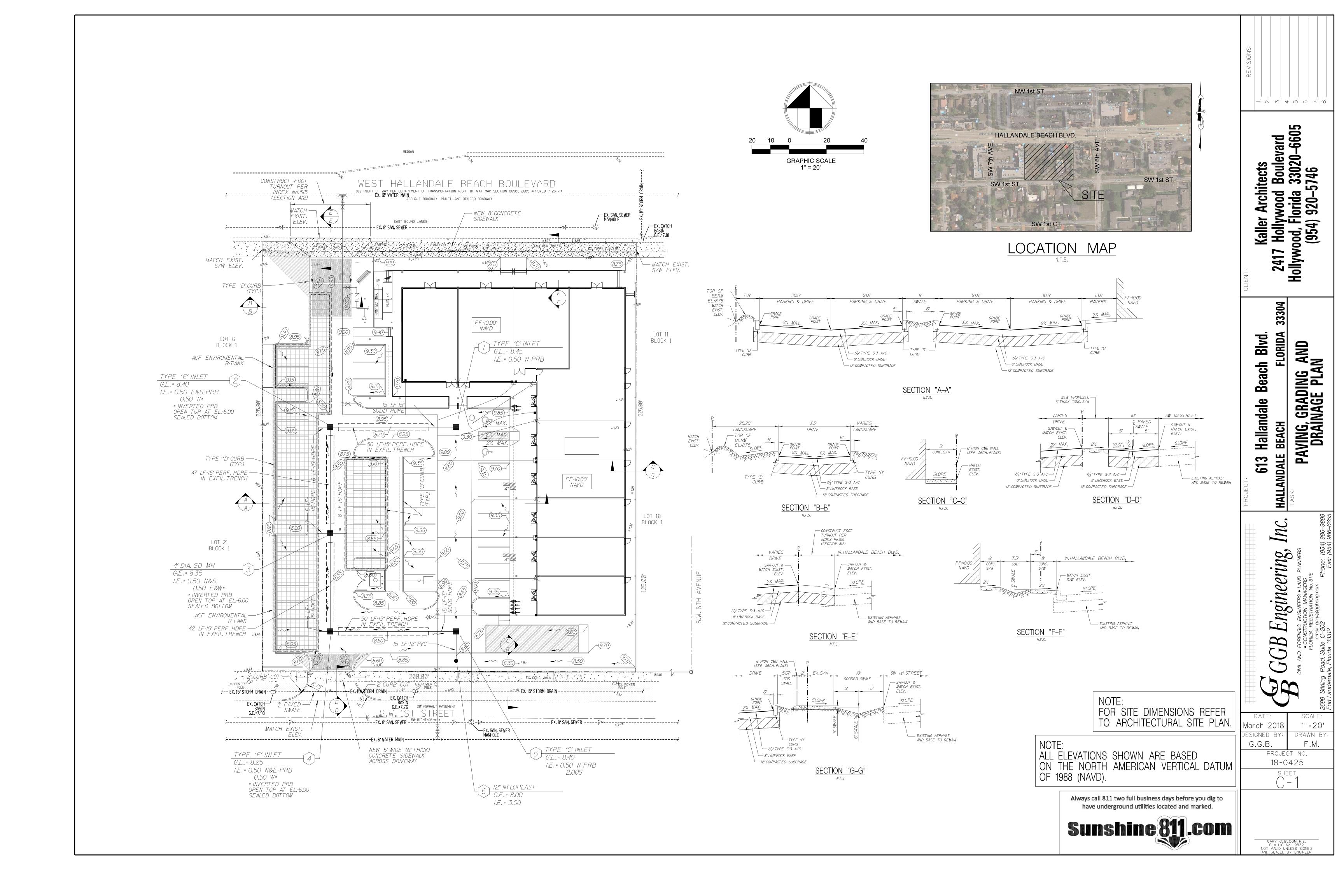
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N.E. VIEW FACING WEST HALLANDALE BEACH BLVD.

N.W. VIEW FACING WEST HALLANDALE BEACH BLVD.









LOCATION MAP

NOTE: I. THE TOP PORTION OF FTP-26 SHALL BE REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER. HANDICAP SIGN — FTP - 26 CONC.S/W — 2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER. 3. FTP 26 MAY BE FABRICATED ON ONE PANEL OR TWO. BACK OF PARKING
STALL 2' OVERHANG — 2' OVERHANG 7 BACK OF PARKING STALL PARKING BY DISABLED PERMIT ONLY - 1/2" MAX FINE \$250.00

18"

FTP-26 — 4" WHITE LINE 2' O.C. ROTATED 45° HANDICAP SPACE AND AISLE

HANDICAP STALL AND SIGN DETAIL

TYPICAL PARKING STALL DETAIL

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

Always call 811 two full business days before you dig to have underground utilities located and marked.



Architects wood Boulevard lorida 33020–6605 920–5746 2417 Hollywood Hollywood Hollywood, Florida (954) 920–57

Blvd.

Beach

Hallandale

613

PAVEMENT MARKINGS AND SIGNAGE PLAN

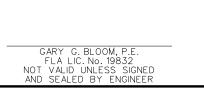
HALLANDA

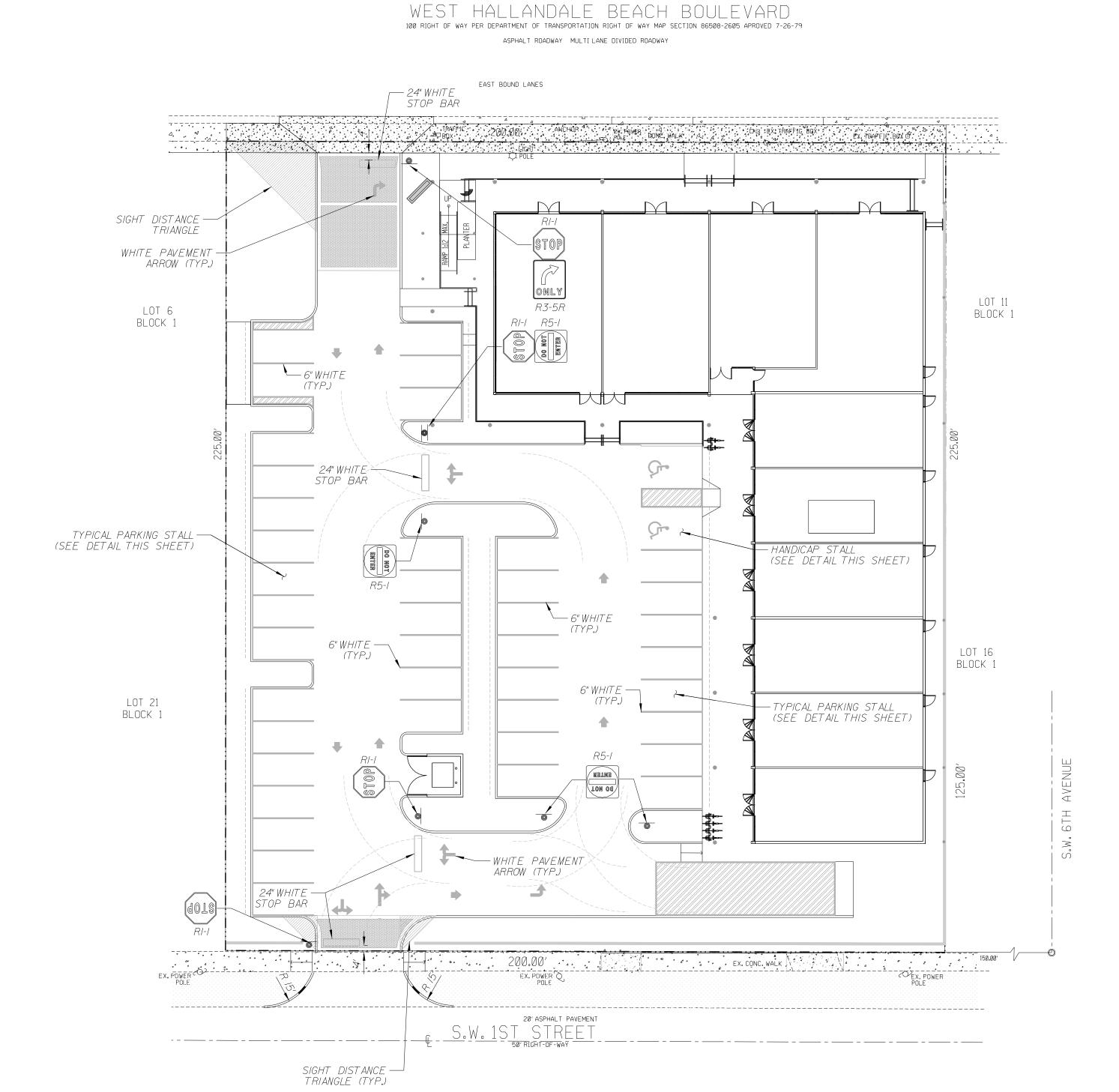
GGB Engineering,

March 2018 ESIGNED BY: DRAWN BY

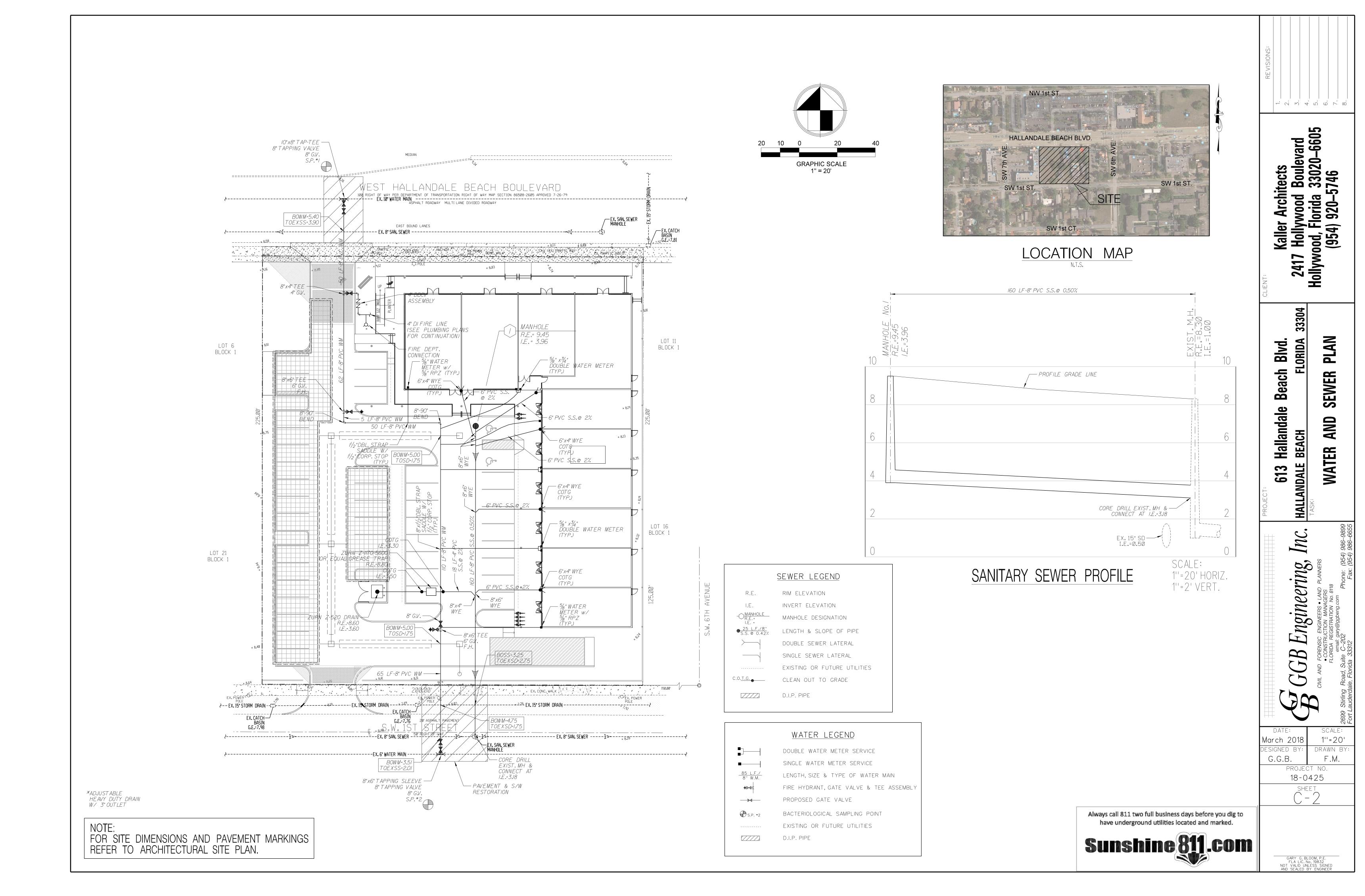
G.G.B. PROJECT NO. 18-0425

SHEET A





MEDIAN



GENERAL NOTES

- 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 CONTRAC-TOR 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.
- UNDER FLORIDA STATUTES, THE CONTRACTOR MUST PROVIDE A 48 HOUR NOTIFICATION PRIOR TO ANY OPERATION WHICH WOULD "PIERCE THE EARTH'S SURFACE" WITH THE WORK STARTED WITHIN FIVE WORKING DAYS AFTER ALL UNDERGROUND UTILITIES HAVE BEEN IDENTIFIED. THE NOTIFICATION NUMBER IS A ONE CALL SYSTEM STATEWIDE AT (800) 432-4770 . FAILURE TO COMPLY COULD RESULT IN FINES AND DAMAGES.

UNIVERSAL COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

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

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

> FLORIDA POWER AND LIGHT COMPANY BELL SOUTH COMCAST CATV

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

CITY OF HOLLYWOOD

- 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.
- . 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.
- THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN THE AREA AND ANY OTHER UNDERGROUND CONDUIT REQUIRED FOR FP&L, BELL SOUTH, IRRIGATION SYSTEM, ETC. PRIOR TO BEGINNING SUBGRADE. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH APPLICABLE UTILITY COMPANIES.
- 8. ALL EXISTING UTILITIES SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED.
- 9. THE CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY CASTINGS, INCLUDING VALVE BOXES, JUNCTION BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN AREAS OF CONSTRUCTION. ALL ADJUSTMENTS TO BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY.
- 10. THE CONTRACTOR SHALL OBTAIN ANY NECESSARY TREE REMOVAL PERMITS FROM THE CITY OF HOLLYWOOD PRIOR TO COMMENCING WORK.
- 1. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL SUPPLY THE ENGINEER OF RECORD WITH THE CERTIFICATION THAT ALL CONSTRUCTION AND MATERIALS MEET OR EXCEEDS THE DESIGN AND HAS BEEN INSTALLED PER THE DRAWINGS AND/OR AS-BUILT DRAWINGS
- 12. COMPLIANCE WITH THE "TRENCH SAFETY ACT" IS REQUIRED FOR ALL EXCAVATIONS IN EXCESS OF 5 FOOT DEPTHS.

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.
- ALL AREAS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 1 FOOT. ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR TO BE ADJUSTED SHALL BE SO DESIGNATED ON THE DRAWINGS.
- . 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 CFRTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND LIMEROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.
- 6. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.
- . WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.
- 8. ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.
- 9. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1 FOOT OF THE REQUIRED ELEVATION AND ALL AREAS SHALL BE GRADED TO DRAIN.
- 10. ALL SUBGRADE SHALL HAVE AN LBR OF 40, UNLESS OTHERWISE NOTED, AND SHALL BE COMPACTED TO 100% MAXIMUM DRY DENSITY PER AASHTO T-99.
- 11. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 AND HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM AND MAGNESIUM, UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.
- 12. ASPHALT SHALL BE OF THE TYPE DESIGNATED ON THE DRAWINGS.
- 13. PLASTIC FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.
- 14. CONCRETE SIDEWALK SHALL BE 4 INCHES THICK ON COMPACTED SUBGRADE, WITH 1/2 INCH EXPANSION JOINTS PLACED AT A MAXIMUM OF 75 FEET. CRACK CONTROL JOINTS SHALL BE 5 FEET ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS OTHERWISE SPECIFIED BY LOCAL CODES, OR SHOWN ON THE DRAWINGS. ALL CONCRETE SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6 INCHES THICK WITH 6" X 6" (IOG.) 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. CORRUGATED METAL (ALUMINUM) PIPE, ASTM DESIGNATION M-196 CMP (SMOOTH LINED) = CORRUGATED METAL ALUMINUM PIPE (SMOOTH LINES), ASTM DESIGNATION M-196

HDPEP = SMOOTH LINED HIGH DENSITY POLYETHYLENE, AASHTO M 294 TYPE S

SCP = SLOTTED CONCRETE PIPE, FDOT SECTIONS 941 AND 942. PVC = POLYVINYLCHLORIDE PIPE PCMP = PERFORATED CMP, FDOT SECTION 945

DIP = DUCTILE IRON PIPE

- 16. ASPHALTIC CONCRETE TYPE S-III SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 331-1 THROUGH 331-6 OF F.D.O.T. STANDARD SPECIFICATIONS. ASPHALTIC CONCRETE TYPE S-1 SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 333-1 THROUGH 333-6 OF F.D.O.T. STANDARD SPECIFICATIONS.
- 17. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
- 18. CONCRETE FOR PRECAST MANHOLE AND CATCH BASINS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSLAT 28 DAYS.
- 19. REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO ASTM
- SPECIFICATION A-615 AND A-305, LATEST REVISION. 20. ALL RE-BAR SPLICES IN CONCRETE STRUCTURES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS.
- 21. ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATER TIGHT.
- 22. ALL SPACES AROUND PIPING ENTERING OR LEAVING MANHOLES AND CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2:1 CEMENT MORTAR. 23. JOINTS IN CORRUGATED ALUMINUM PIPE SHALL EMPLOY CORRUGATED METAL BANDS OF
- SIMILAR METAL AND CORRUGATIONS WITH NEOPRENE, RAM-NEK, OR BITUMASTIC GASKETS INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- 24. REINFORCED CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION, AND AS MODIFIED BY SECTION 941 OF THE FLORIDA DOT STANDARD SPECIFICATIONS, LATEST REVISION. 26. ALL HANDICAP SPACES, RAMPS, AND ACCESS AREAS SHALL COMPLY IN STRICT ACCORDANCE
- WITH THE "AMERICAN DISABILITY ACT" (ADA) (28 CFR PART 36), AND "ACCESSIBILITY BY HANDICAPPED PERSONS", CHAPTER 553, PART V, FLORIDA STATUTES. ANY DISCREPANCY SHALL BE CALLED TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.

ENGINEERING DIVISION

POMPANO BEACH, FL 33069

PHONE NO. 954-831-074

2555 WEST COPANS ROAD

STANDARD DETAIL

(1) WATE (2) RECL/ (3) 3 FT. SANIT

FIGURE

 \subseteq

WATER MAIN SEPARATION

27. JOINTS IN HDPE PIPE SHALL BE ADS PRO LINK ST, HANCOR SURE-LOK OR APPROVED EQUAL.

BROWARD COUNTY

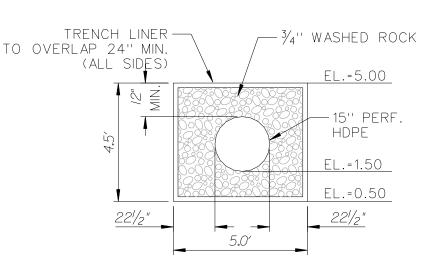
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EPLACES FORM

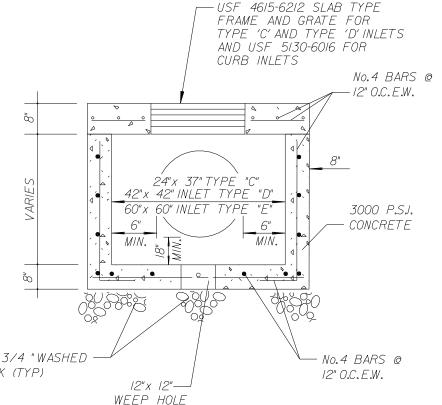
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REVISED

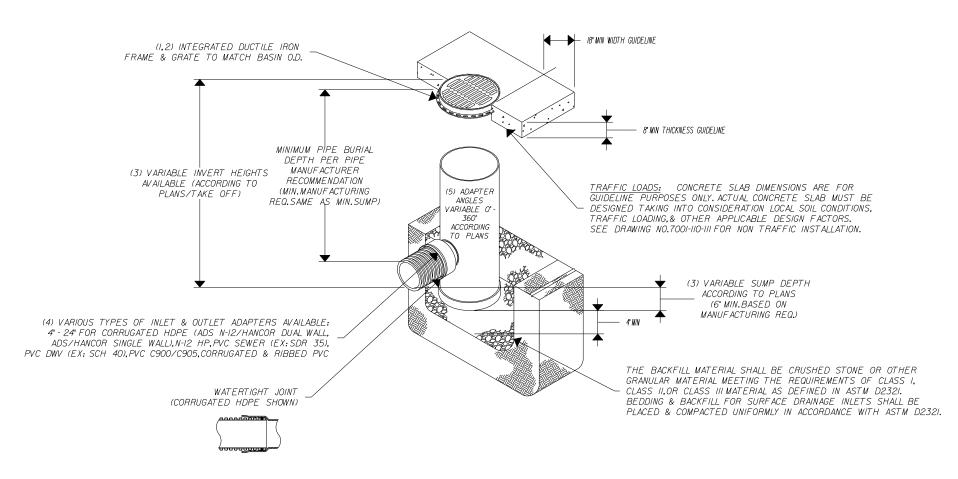
5/14/2018



EXFILTRATION TRENCH DETAIL



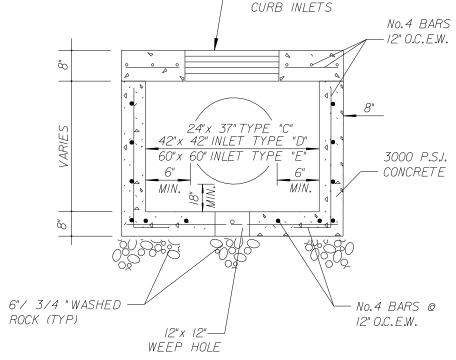
PRECAST INLET DETAIL

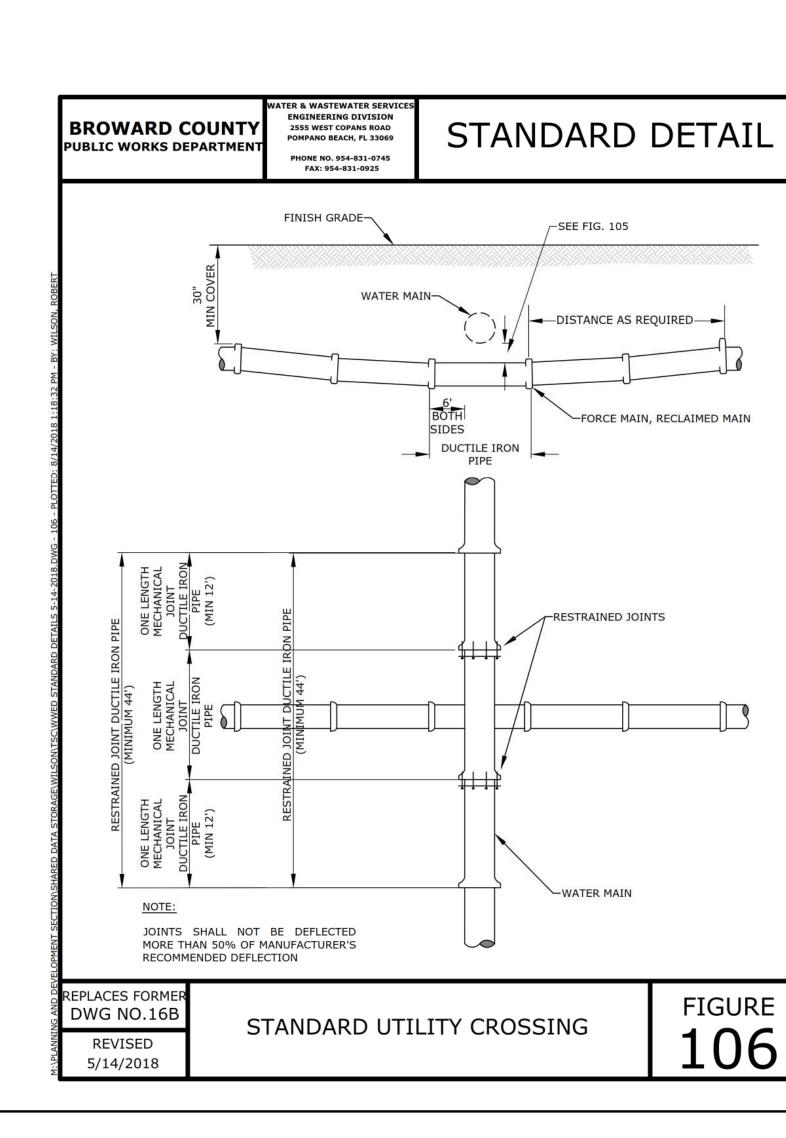


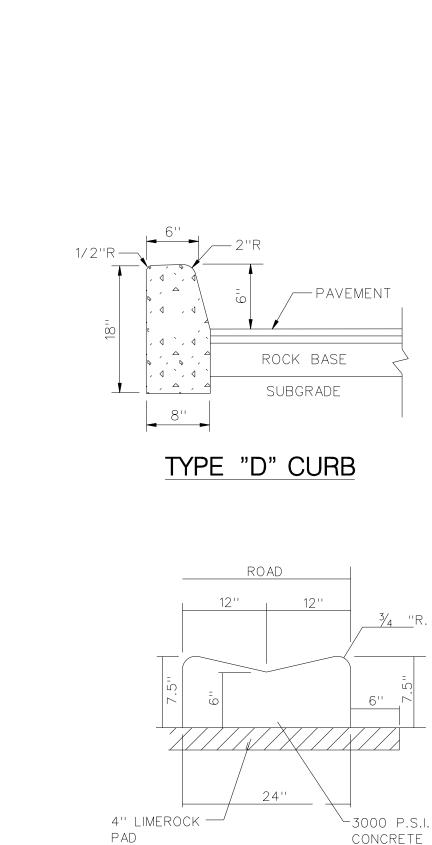
1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
RISERS ARE NEEDED FOR BASINS OVER 84 DUE TO SHIPPING RESTRICTIONS.
SEE DRAWING NO.7001-10-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO
ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL),N-12 HP
& PUC SFWER.

A JOURNAL OF THE MOUNTED ON ANY ANGLE O'TO 360'. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO.7001-110-012.

NYLOPLAST DRAIN BASIN:







VALLEY GUTTER DETAIL

Architects rood Boulevard rida 33020–6605 20–5746

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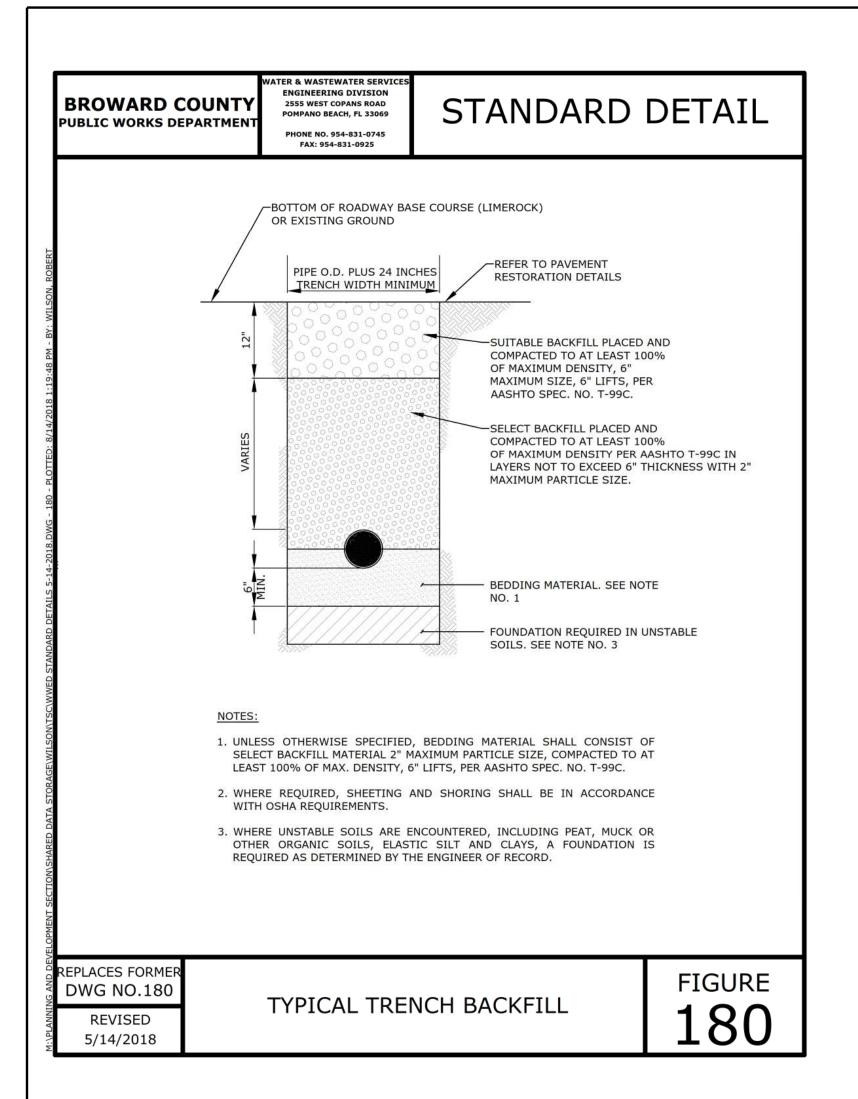
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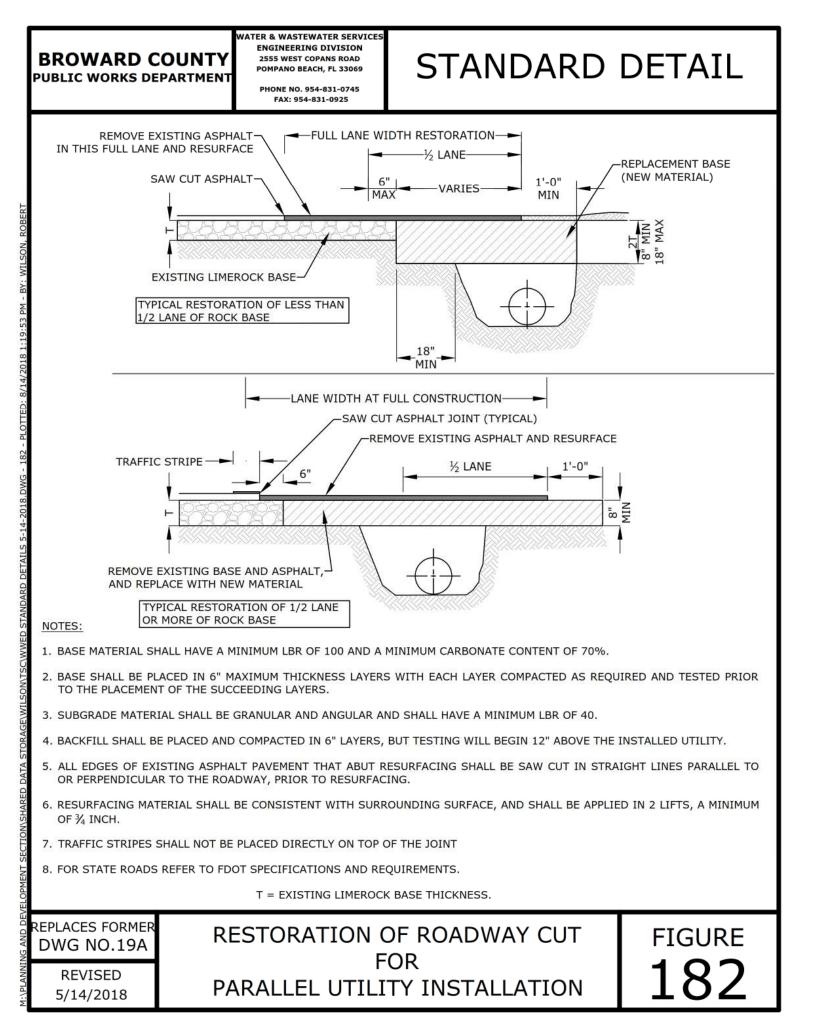
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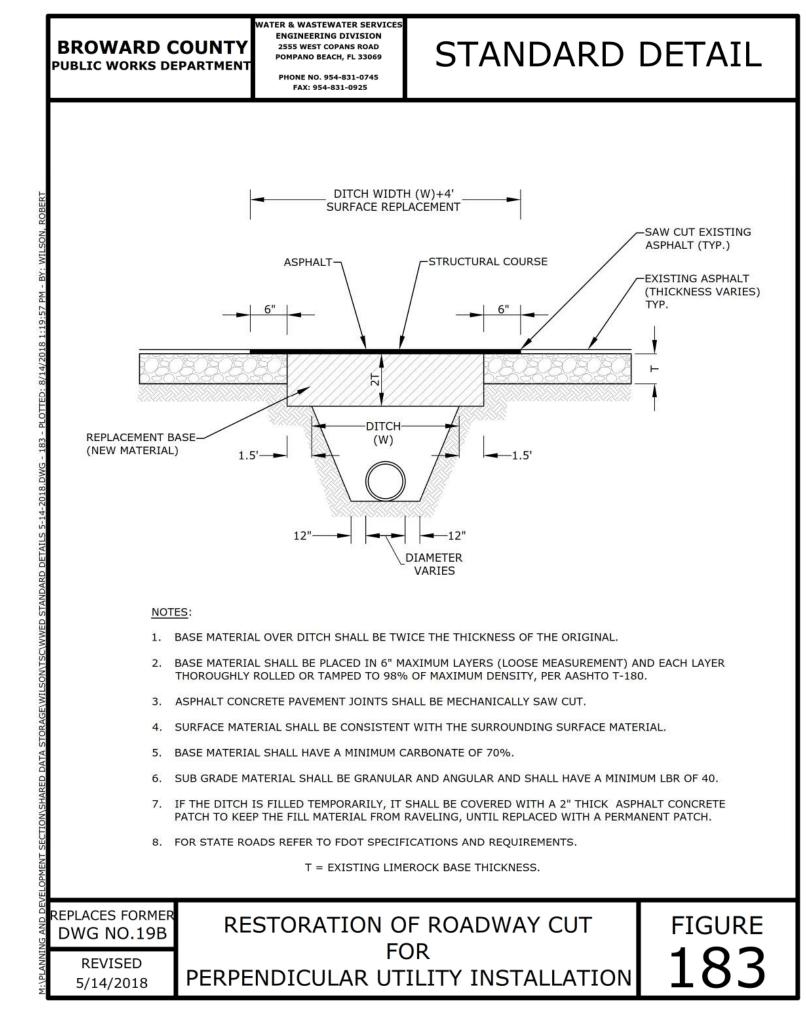
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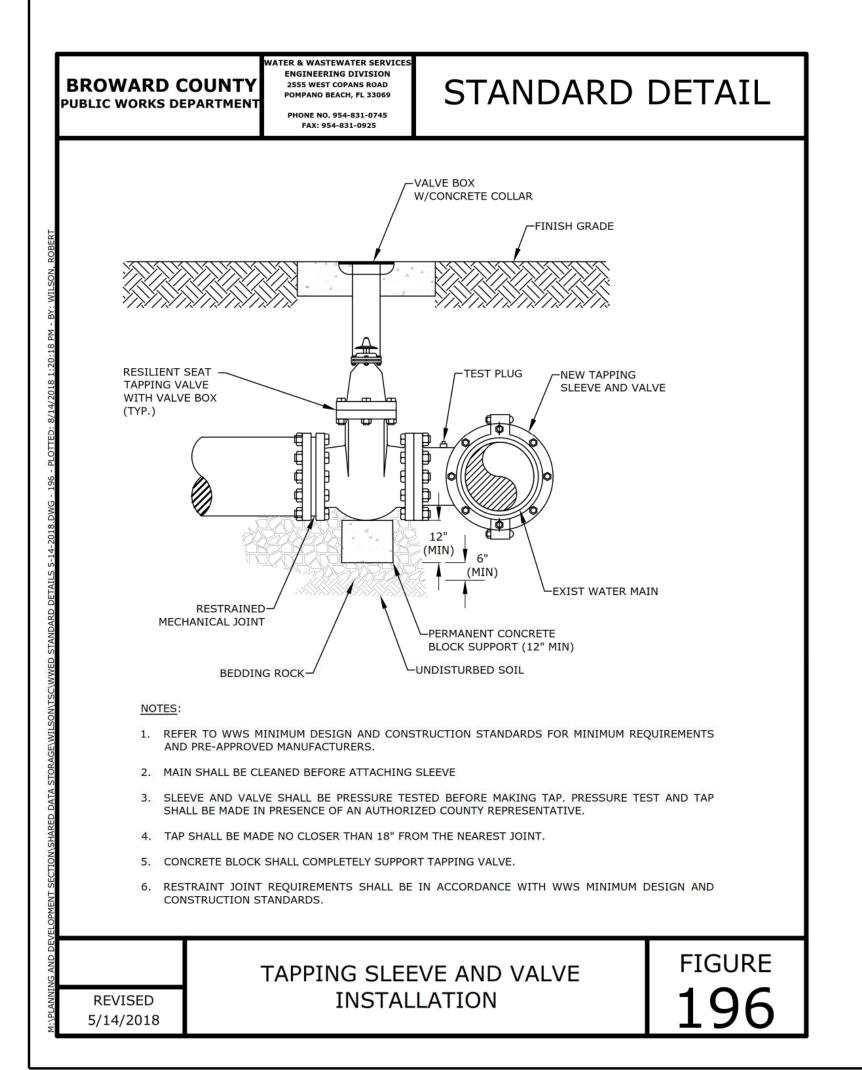
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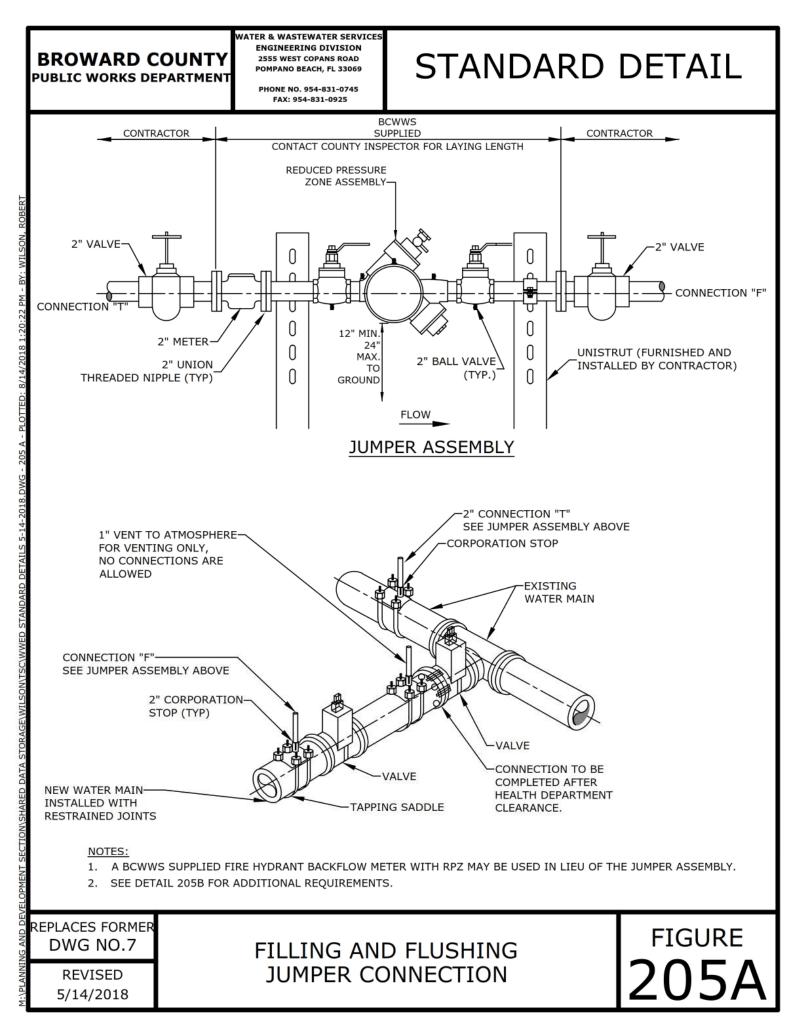
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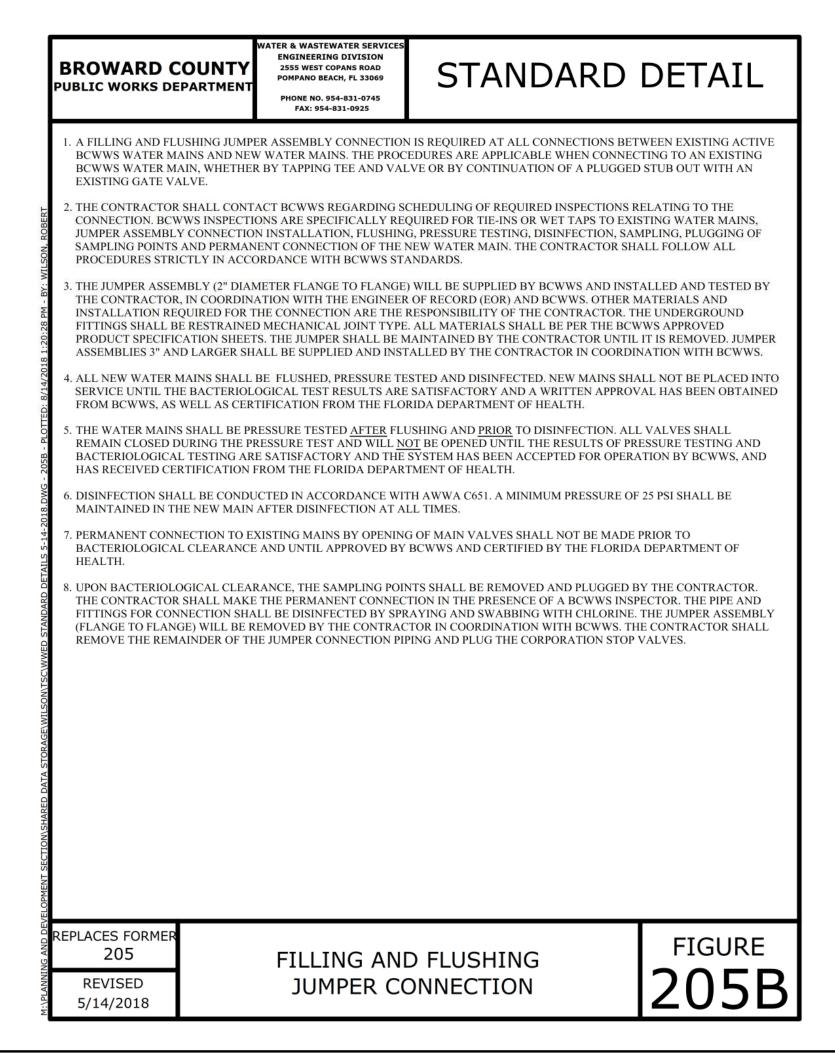


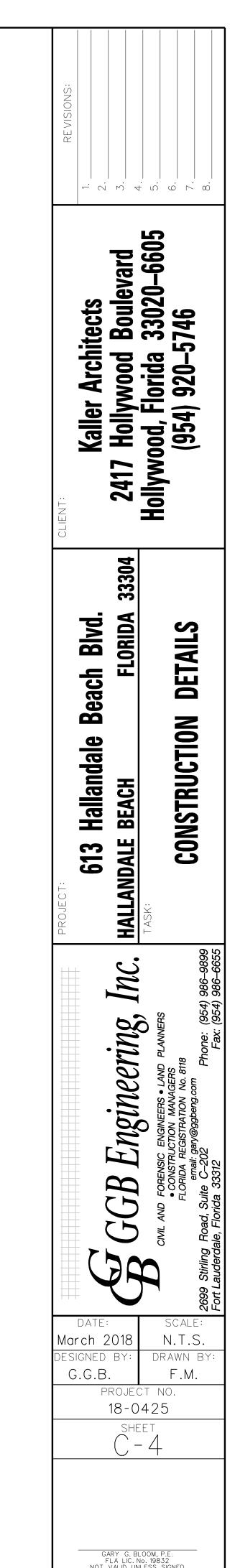


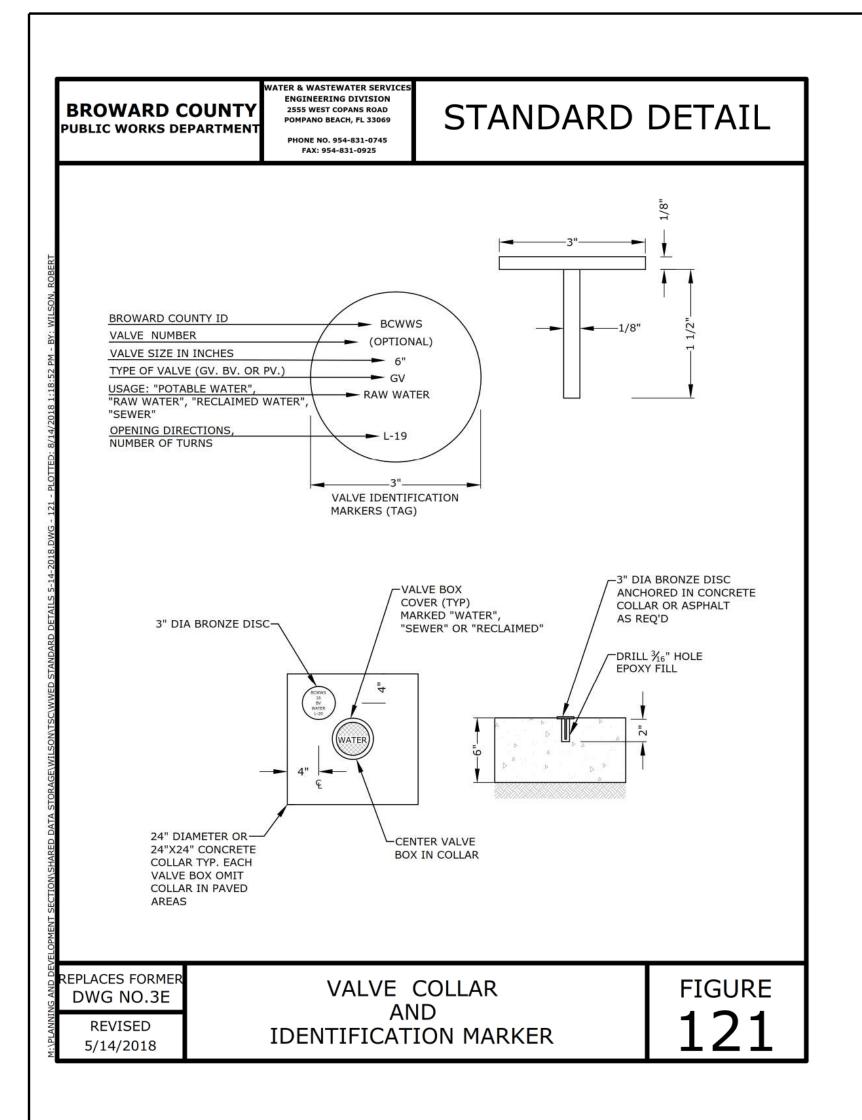


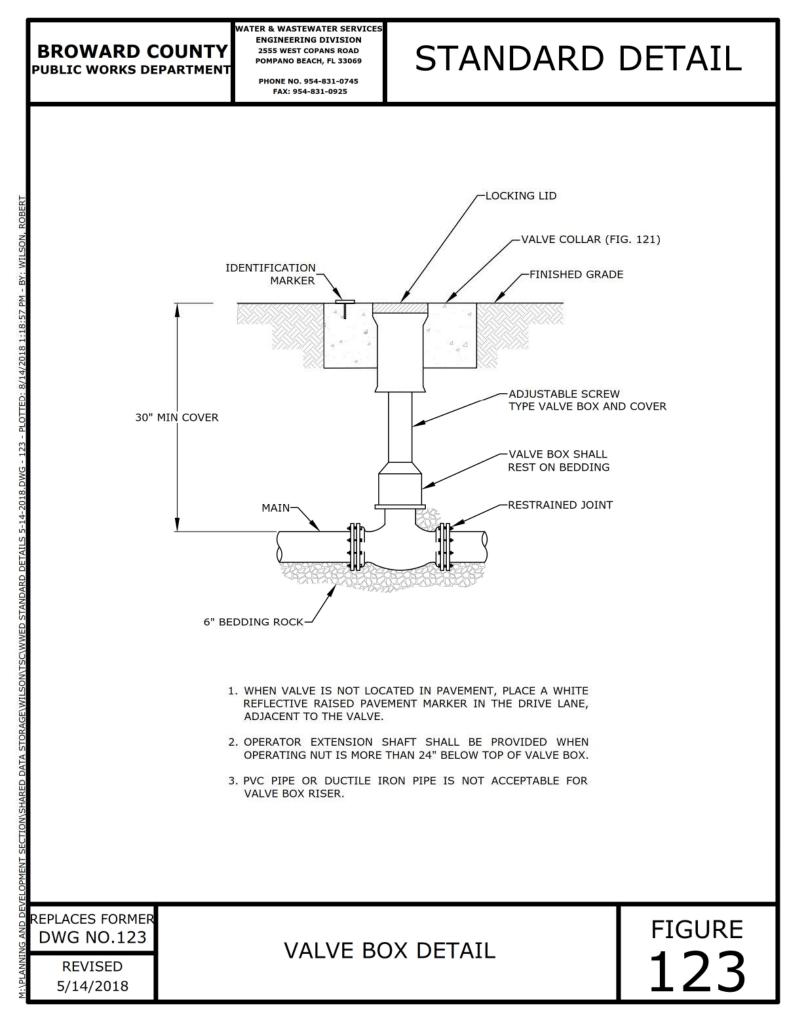


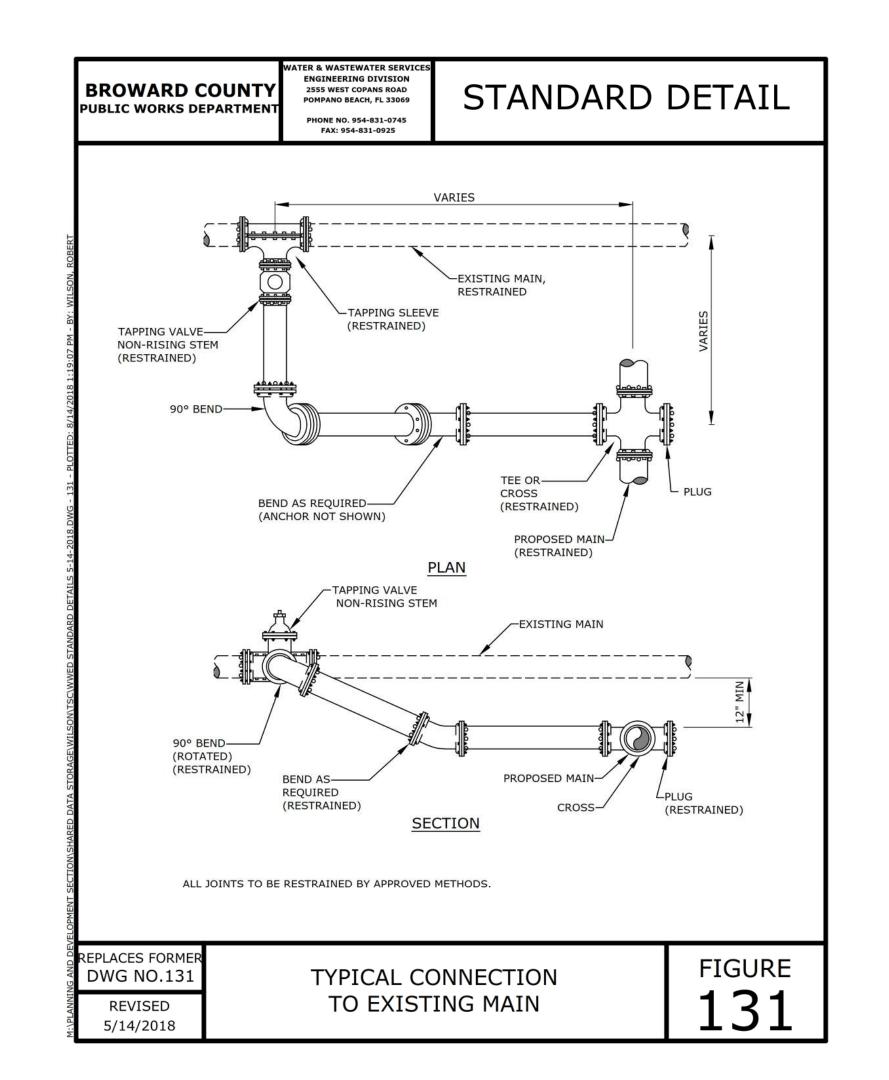


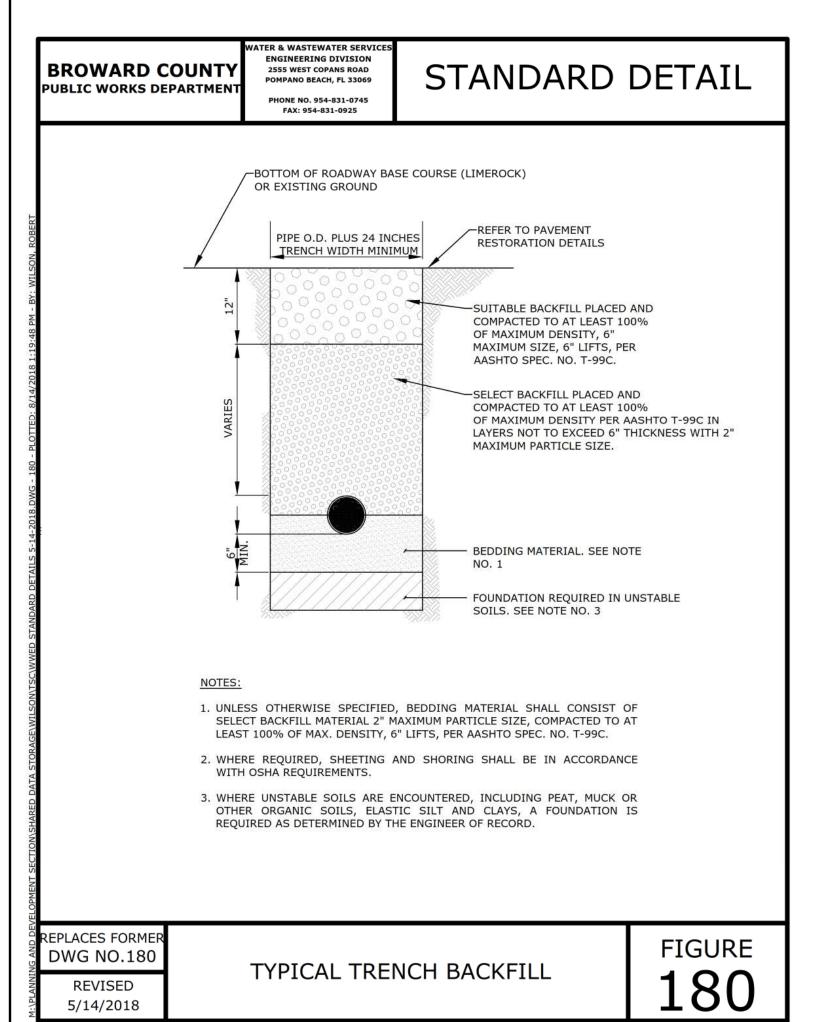


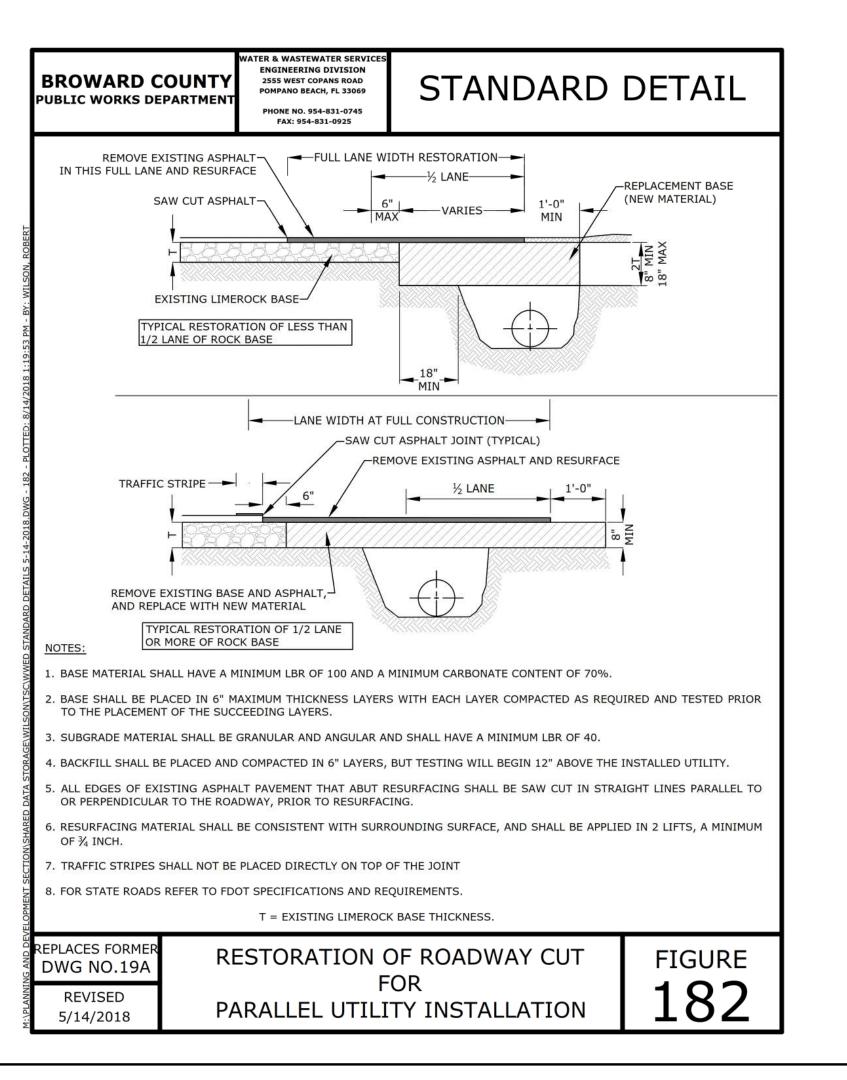


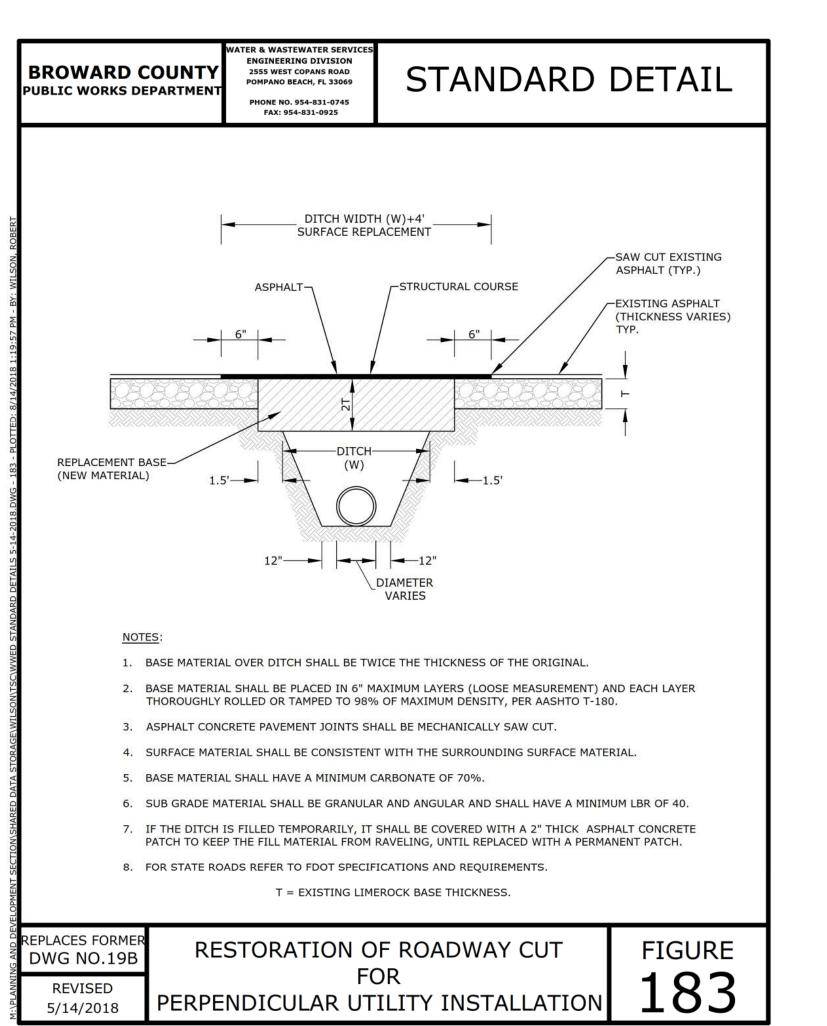


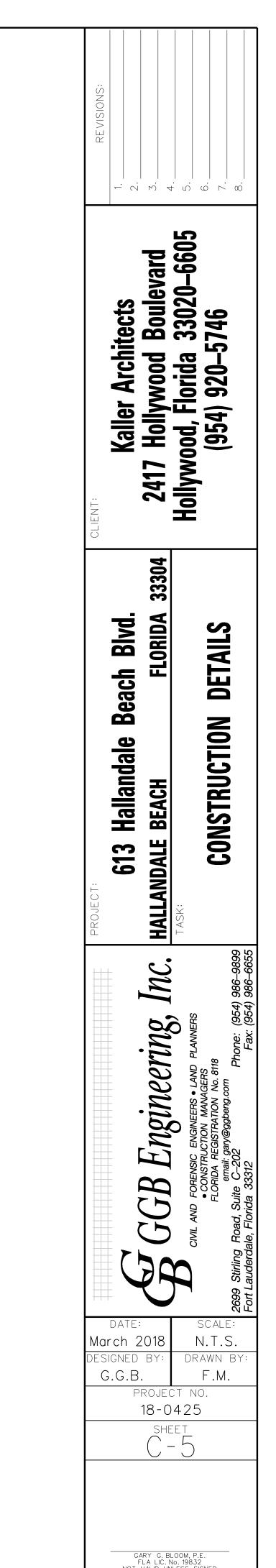


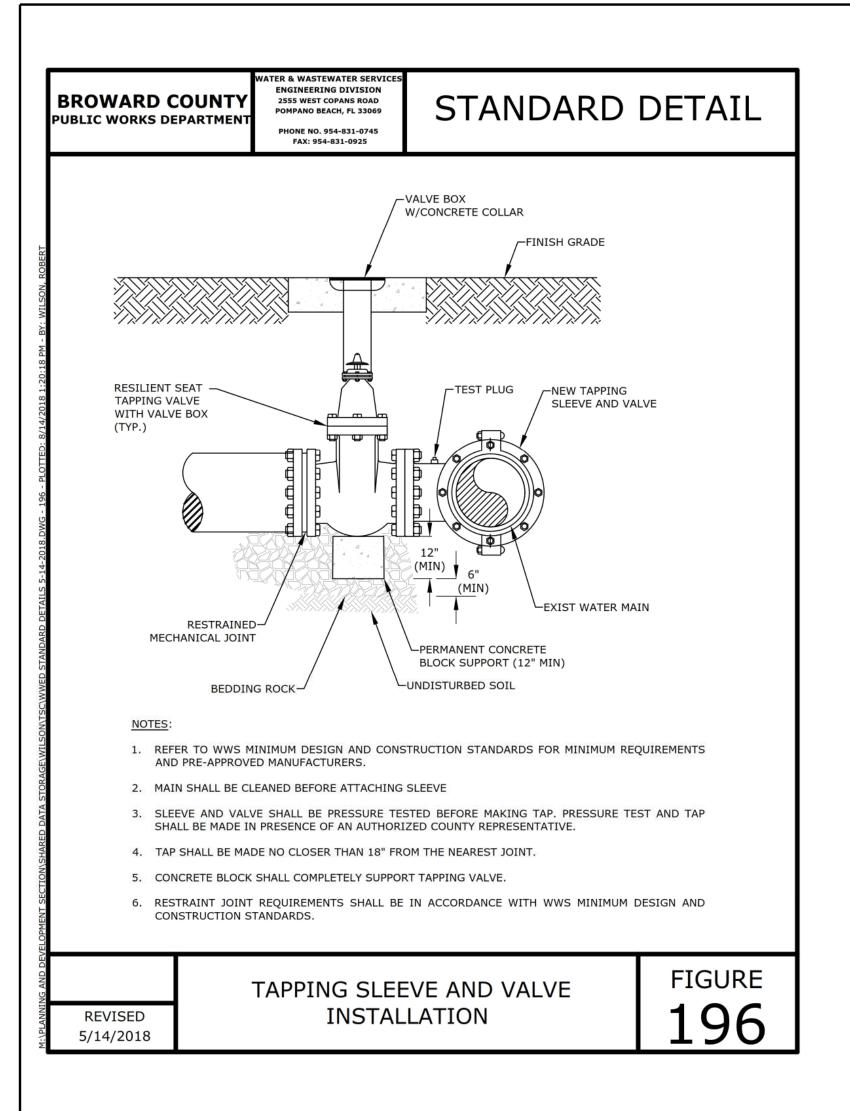


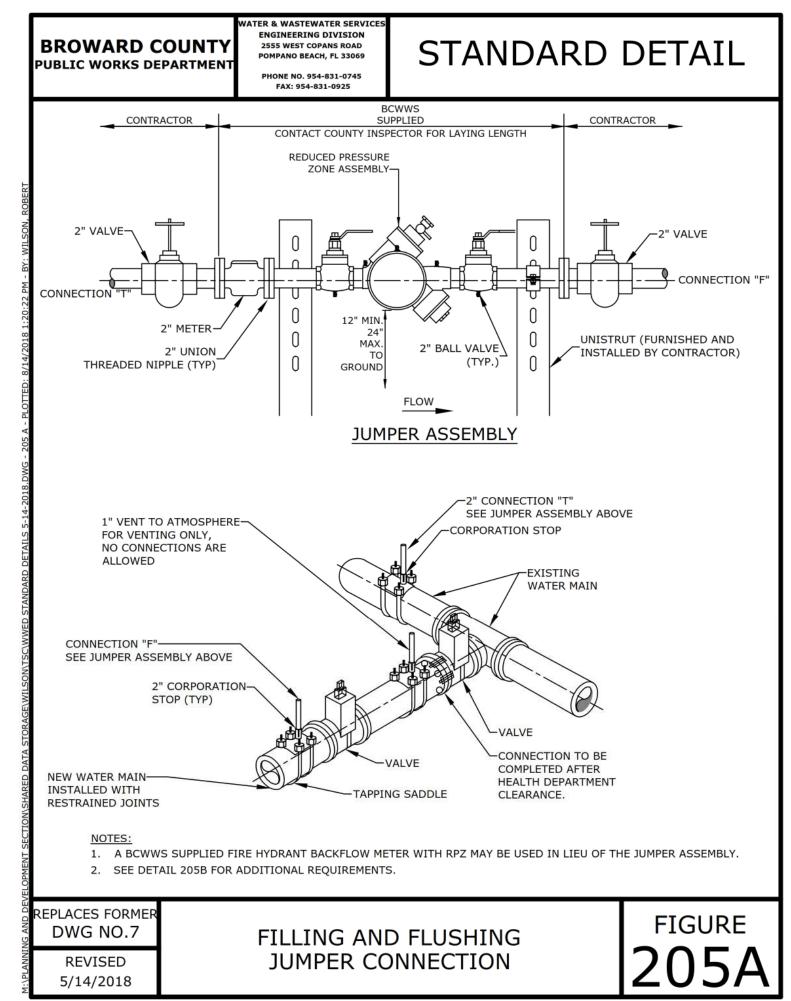


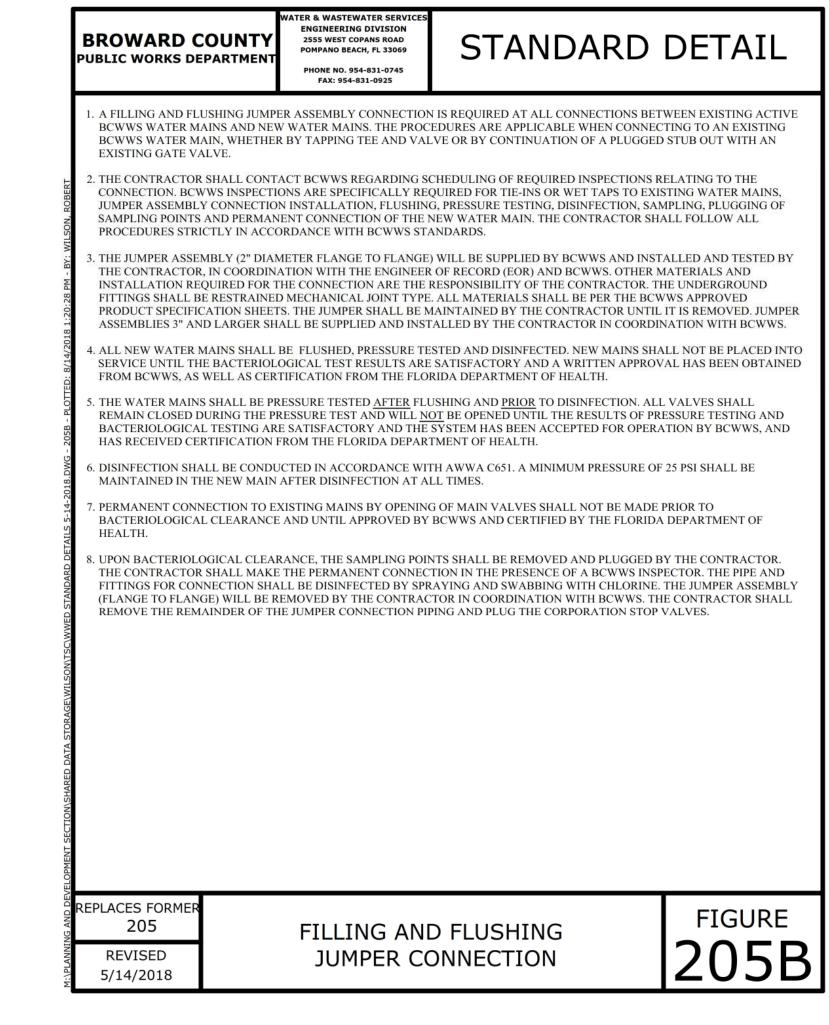


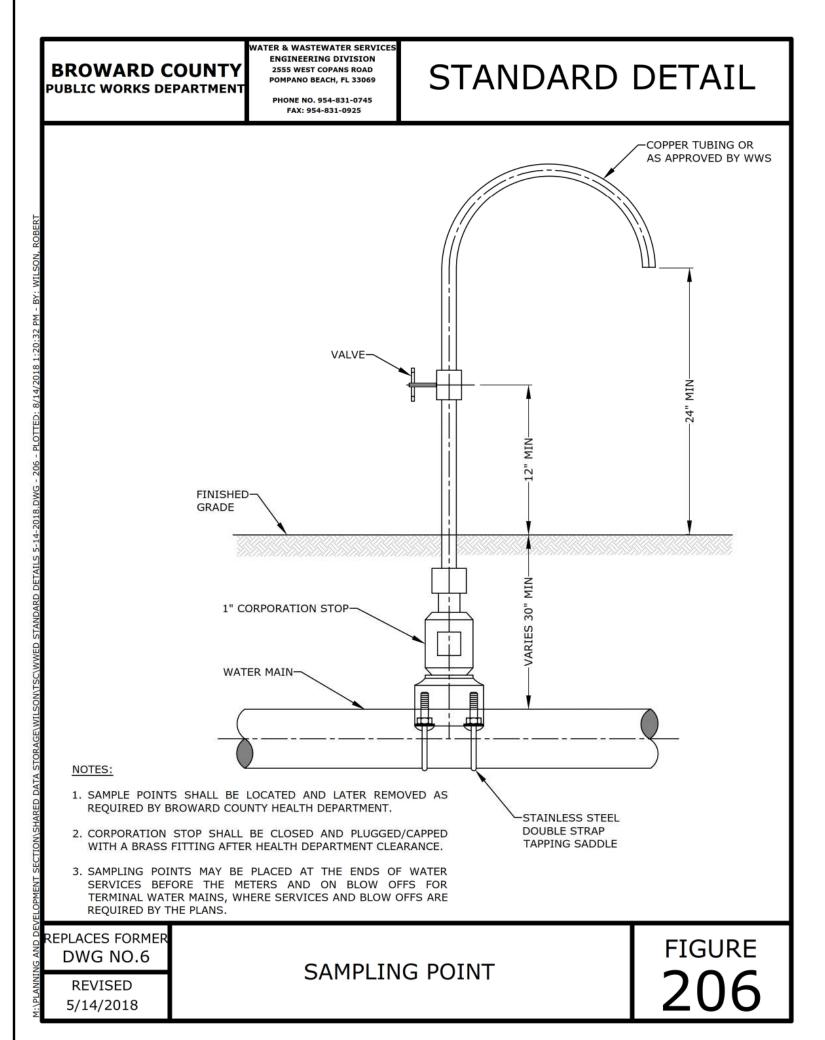


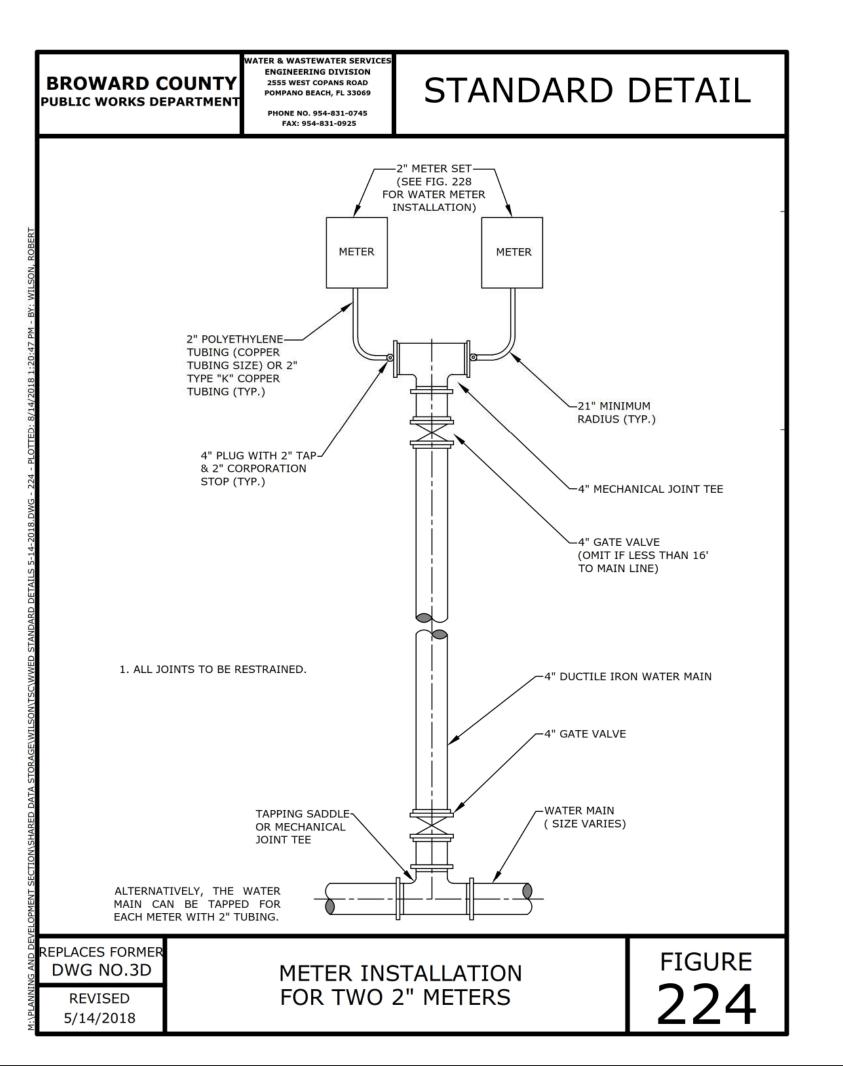


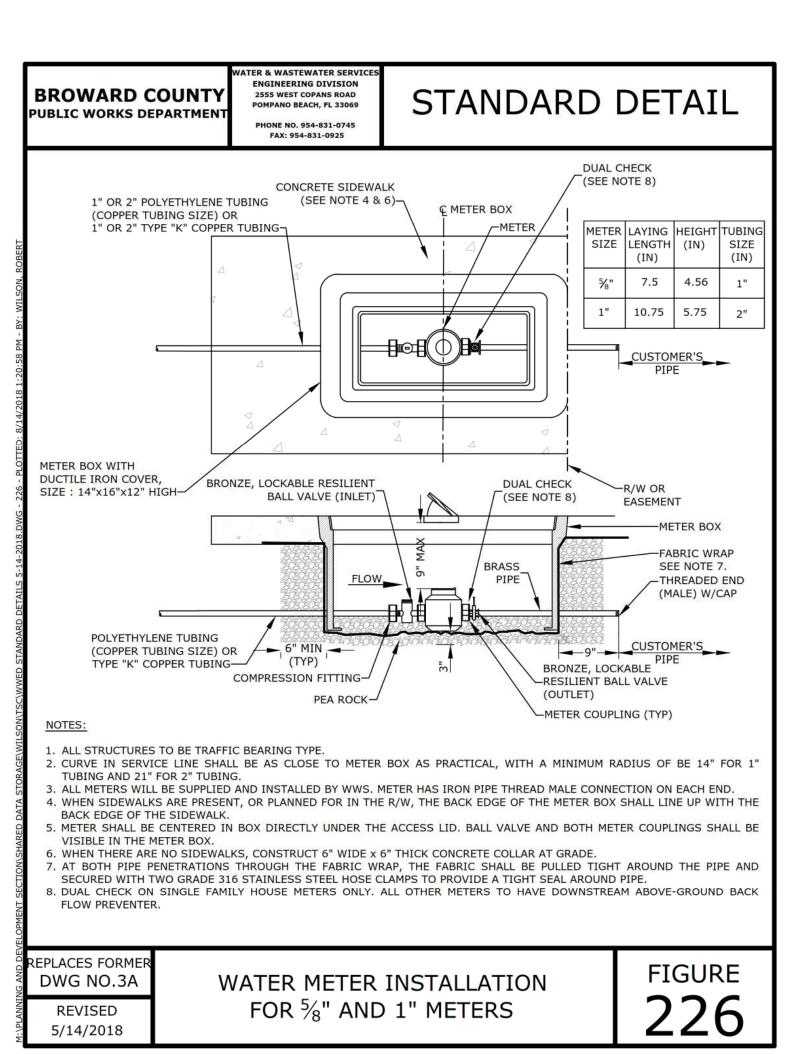


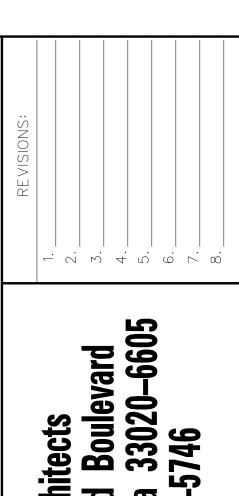












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DETAILS

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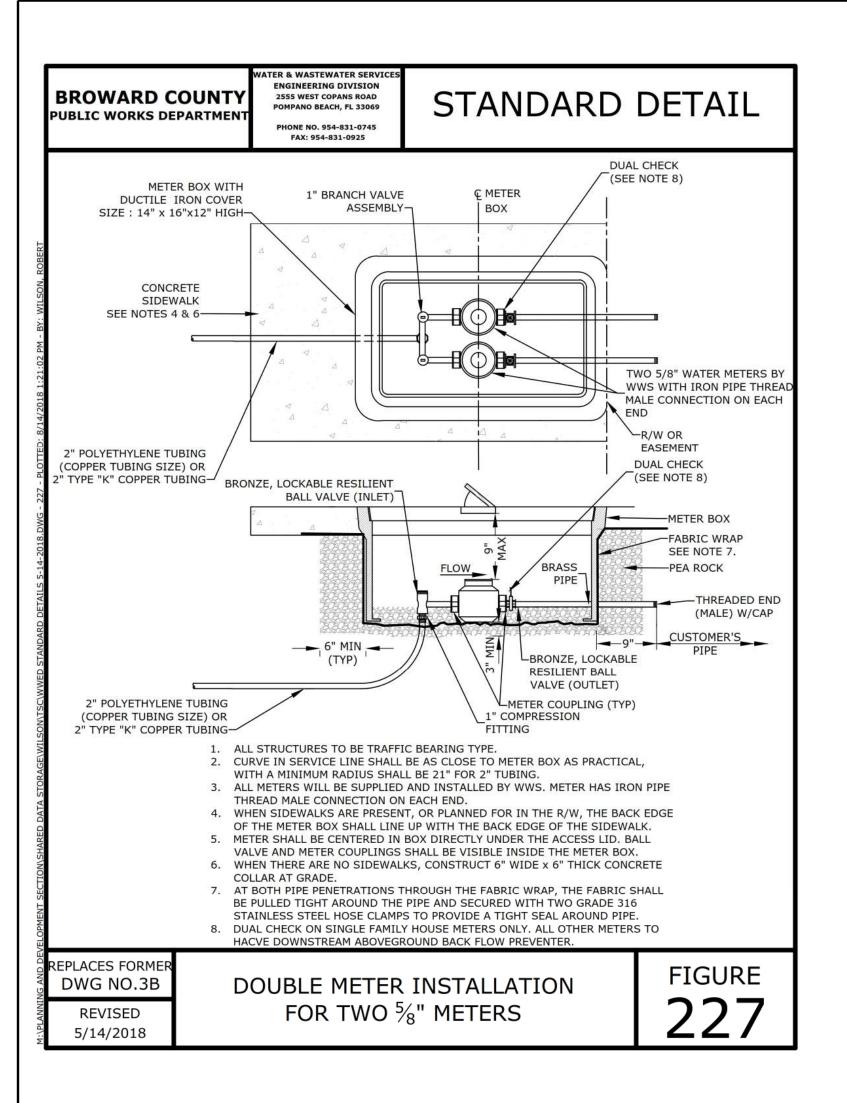
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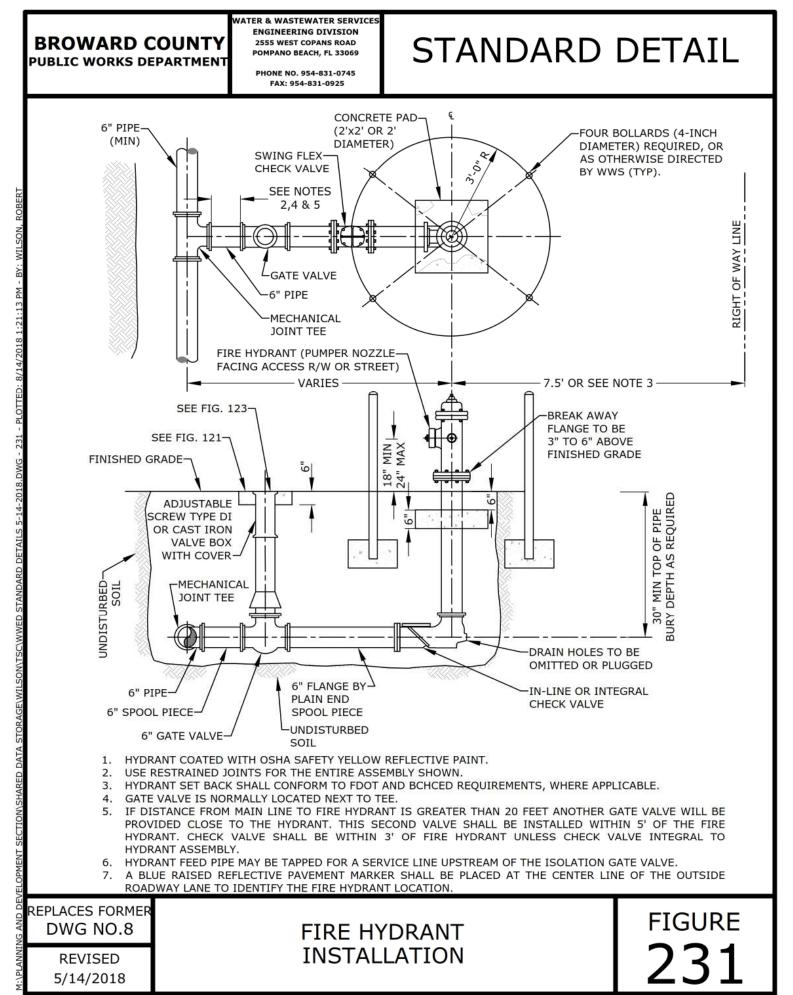
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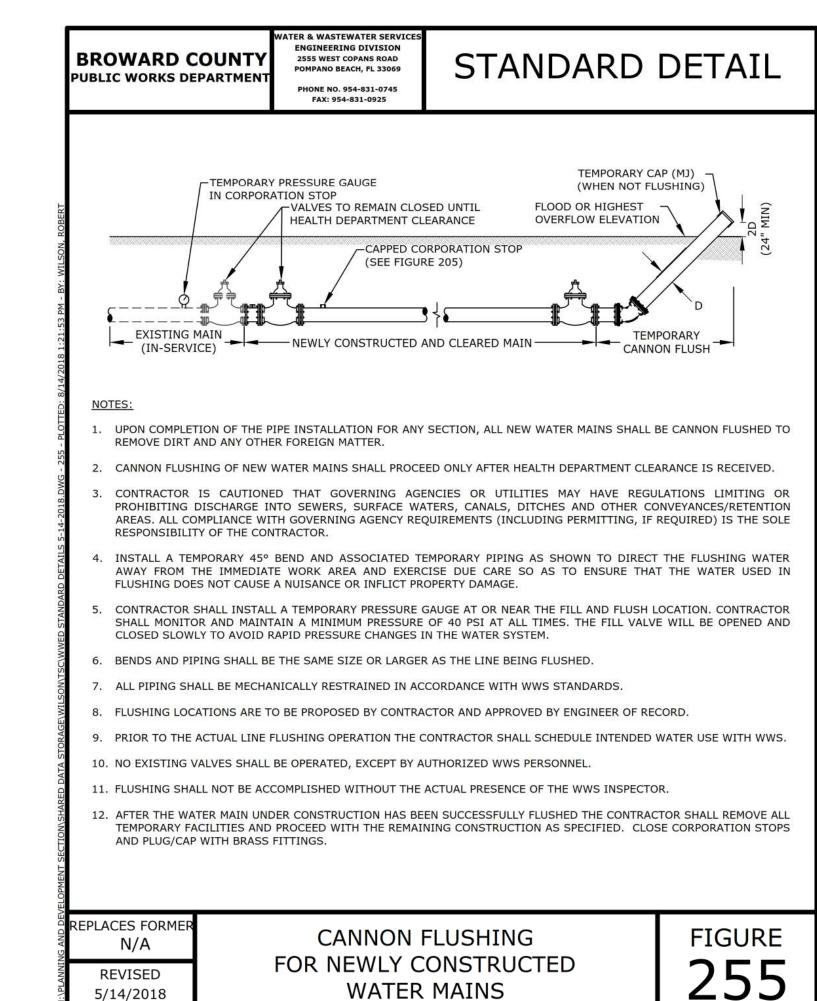
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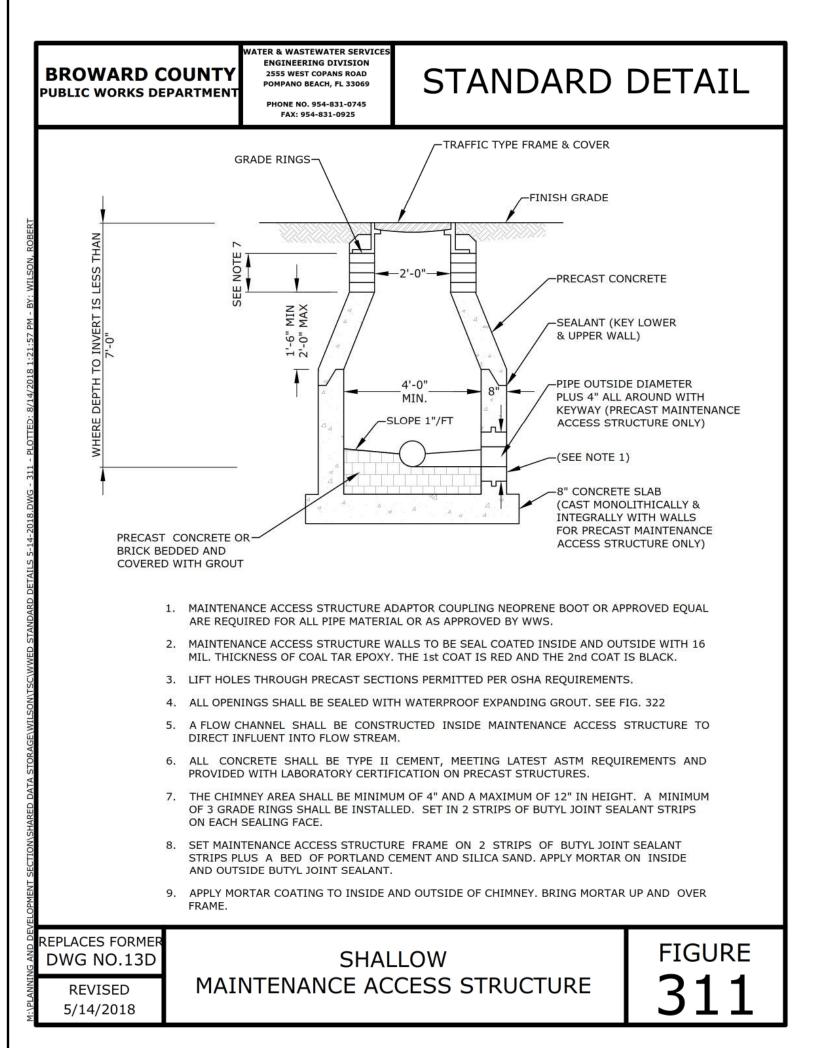
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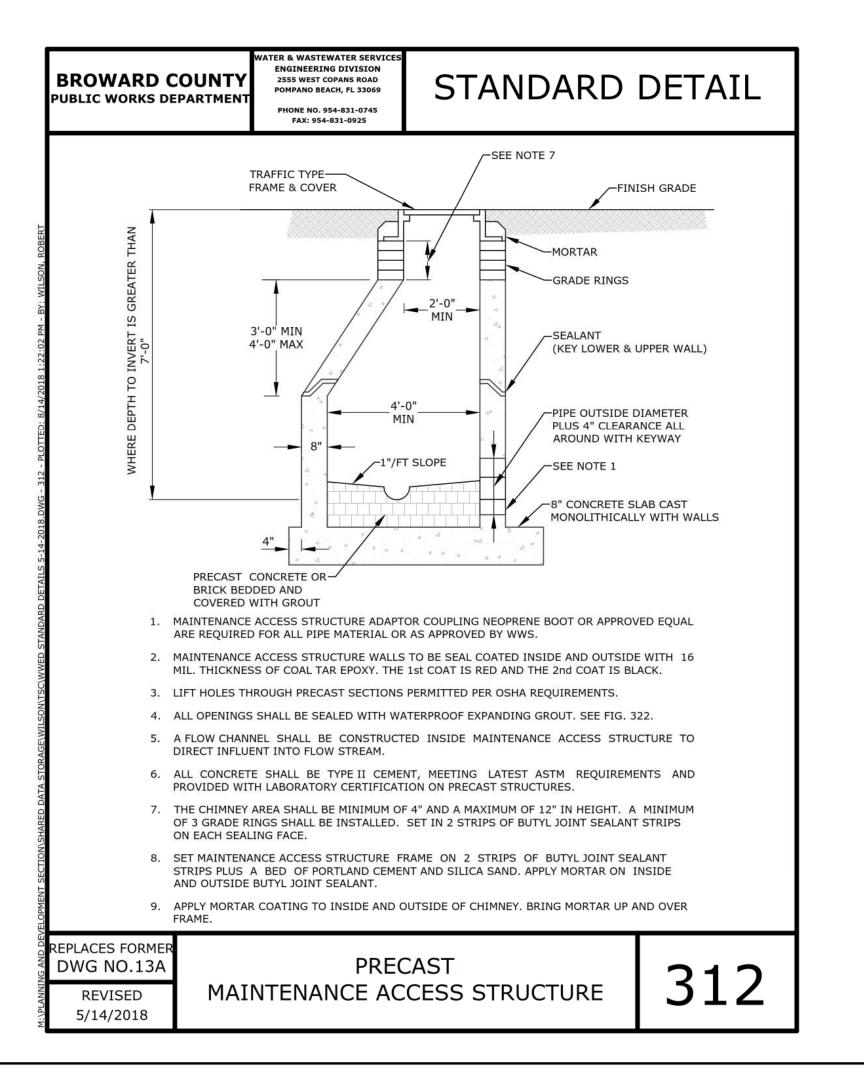
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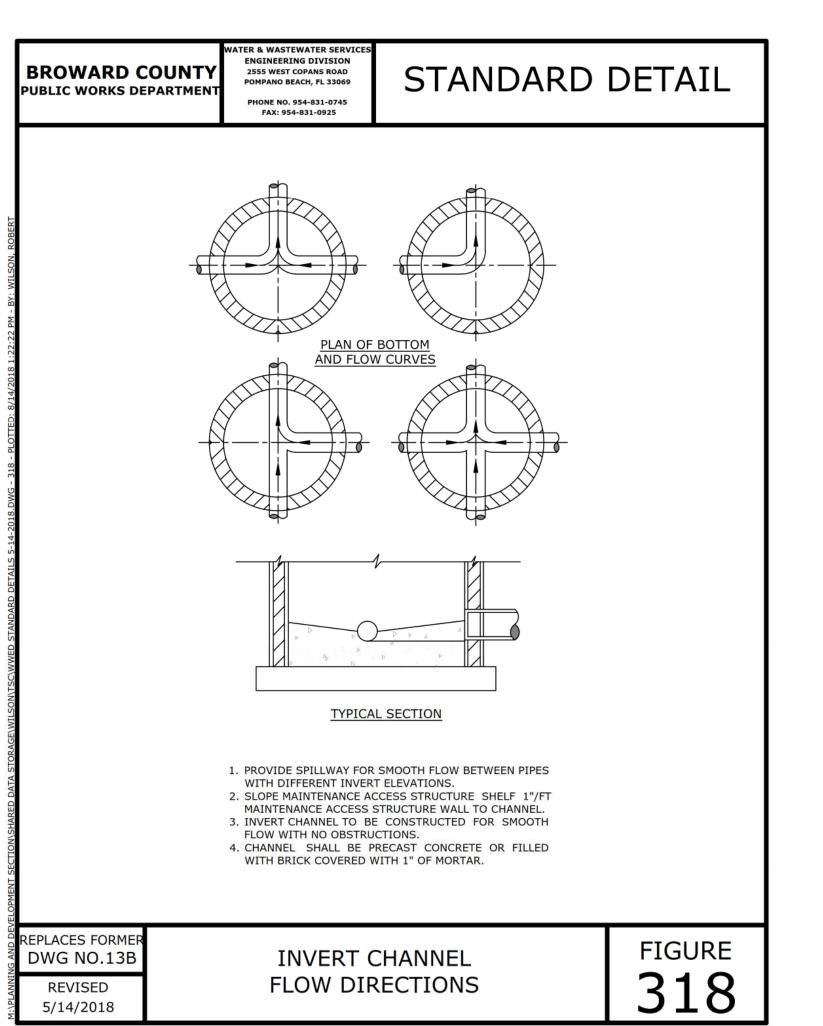


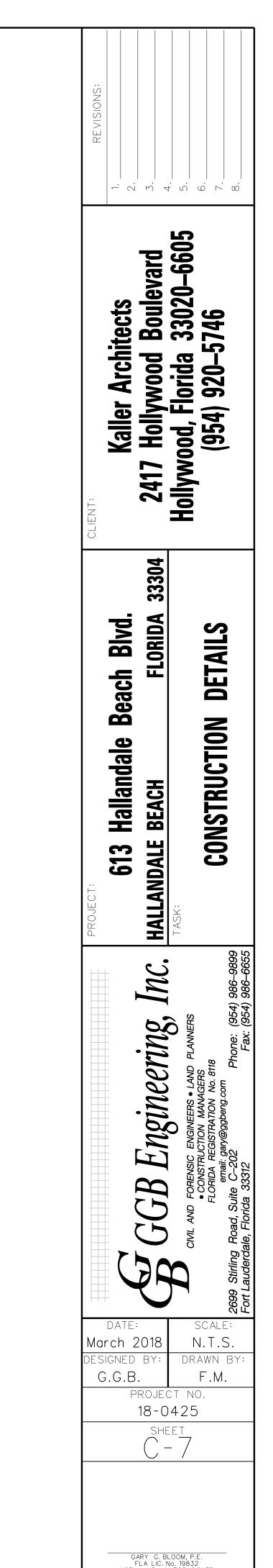


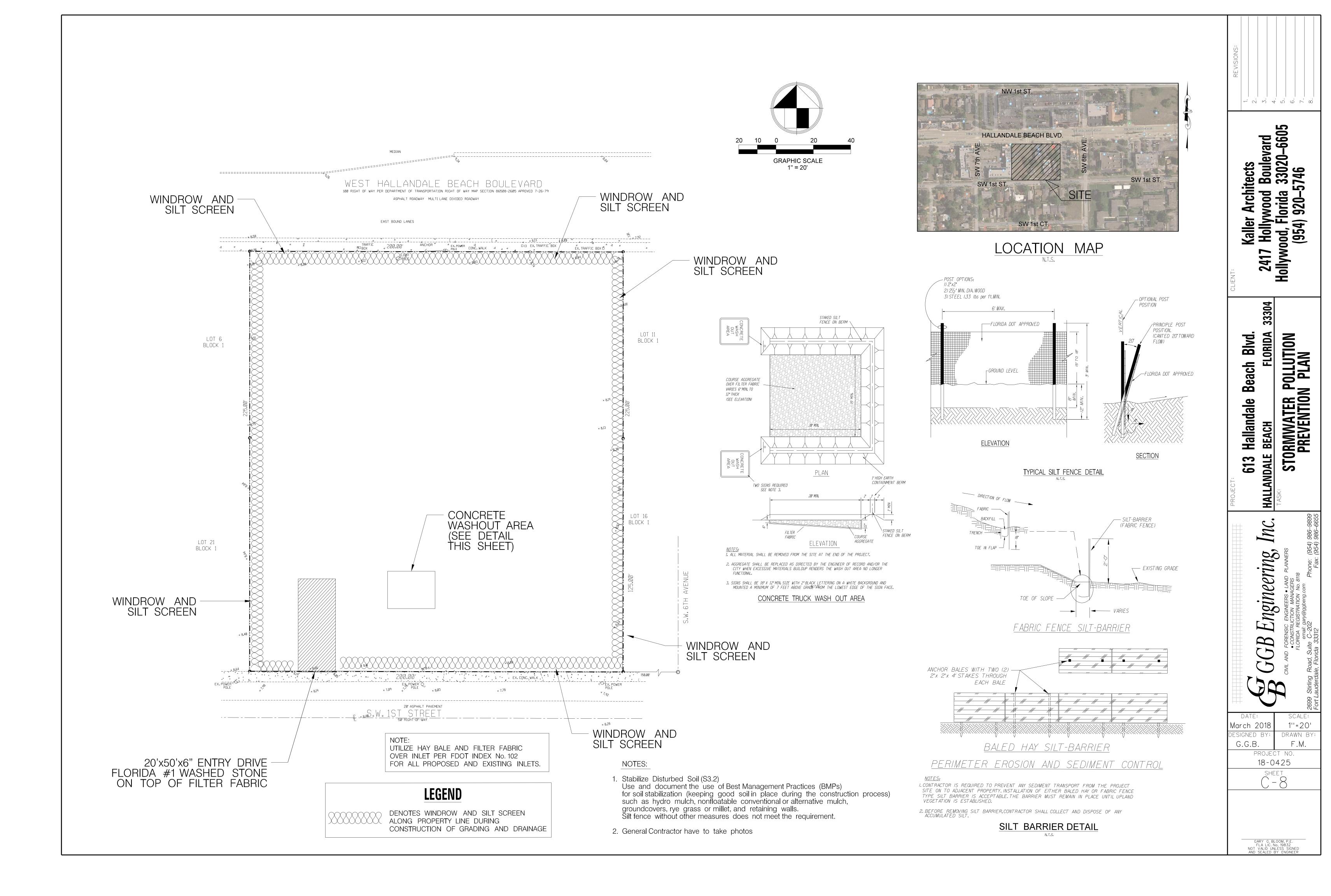












STORM WATER POLLUTION PREVENTION PLAN

OTHER CONTROLS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE

COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER.THE

DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT

TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL.ALL

PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT

PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE

CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES

THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE

MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE

MANUFACTURER.SITE PERSONNEL WILL BE INSTRUCTED IN THESE

PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS

NEEDED TO PREVENT POSSIBLE SPILLAGE.THE WASTE WILL BE COLLECTED

AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP

REDUCE VEHICLE TRACKING OF SEDIMENTS.THE PAVED STREET ADJACENT

TO THE SITE ENTRANCE WILL BE SWEPT AS NEEDED TO REMOVE ANY EXCESS

MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A

INVENTORY FOR POLLUTION PREVENTION PLAN

X Wood

X Masonry Blocks

X Metal Studs

X Roofing Materials

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE

X Petroleum Based Products

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE

USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO

* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY

MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A

PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE

SPILL PREVENTION

X Fertilizers

X Paints

MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

X Cleaning Solvents

MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING

REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR

SEEING THAT THESE PROCEDURES ARE FOLLOWED.

SEEING THAT THESE PRACTICES ARE FOLLOWED.

PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE

REGULATIONS.THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE

WASTE DISPOSAL (IF APPLICABLE);

WASTE MATERIALS

HAZARDOUS WASTE

OFFSITE VEHICLE TRACKING

PRESENT ONSITE DURING CONSTRUCTION:

MATERIAL MANAGEMENT PRACTICES

DURING THE CONSTRUCTION PROJECT.

ROOF OR OTHER ENCLOSURE.

BY THE MANUFACTURER.

OF THE CONTAINER.

BE FOLLOWED.

ORIGINAL MANUFACTURER'S LABEL.

RECEIVE PROPER USE AND DISPOSAL.

GOOD HOUSEKEEPING

DO THE JOB.

TARPAULIN.

X Concrete

X Detergents

X Asphalt

X Tar

SITE DESCRIPTION	GENERAL
	THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN.IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS.DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.
	SEQUENCE OF MAJOR ACTIVITIES:
	SEQUENCE OF MAJOR ACTIVITIES: 1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES. 2. DEMO AND CLEAR SITE 3. INSTALL UNDERGROUND UTILITIES. 4. COMPLETE FINAL GRADING OPERATIONS. 5. CONTINUE WITH E&S CONTROL MEASURES. 6. START BUILDING FOUNDATION. 7. CONTINUE WITH E&S CONTROL MEASURES. 8. COMPLETE BUILDING CONSTRUCTION. 9. CONTINUE WITH E&S CONTROL MEASURES. 10. COMPLETE CURB AND SIDEWALK CONSTRUCTION 11. REMOVE ACCUMULATED SEDIMENTS FROM STORM WATER MANAGEMENT SYSTEM.
	TIMING OF CONTROLS/MEASURES
CONTROLS	AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY PORTIONS OF THE SITE. AS CONSTRUCION PROCEEDS, THE CONTRACTOR MUST BE DILIGENT TO UN-INSTALL AND
CONTROLS THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AUSED BY STORM WATER RUN OFF. AN EROSION PROTECTION PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. TIS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINT IN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. PREFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.	RE-INSTALL PORTIONS OR ALL OF THE SILT FENCE OR HAY BAYS OR TAKE OTHER MEASURES NECESSARY TO MAINTAIN THE SYSTEM IN ACCORDANCE WITH ALL REGULATIONS.
TORM WATER MANAGEMENT	ENDANGERED SPECIES AND CRITICAL HABITAT
OURING CONSTRUCTION, STORM WATER DRAINAGE WILL BE PROVIDED BY TILIZATION OF THE EXISTING SOILS FOR RUNOFF CONTAINMENT AND NATURAL PERCOLATION. THE CONTRACTOR SHALL UTILIZE STAKED SILT ENCES AND EARTH BERMS TO CONTAIN ALL RUNOFF ON THE PROPERTY VITHOUT DISCHARGE TO ADJACENT CANALS. ONTRACTOR SHALL UTILIZE OTHER BEST MANAGEMENT PRACTICES S NECESSARY TO COMPLY WITH THE REQUIREMENTS SET FORTH BY LOCAL, STATE AND FEDERAL REQUIRMENTS.	I. ARE THERE ENDANGERED SPECIES ON SITE? 2. ARE THERE CRITICAL HABITAT ON SITE? IF YES TO EITHER QUESTION, PLEASE EXPLAIN.
	CONTROLS IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE GRADING, DRAINAGE & EROSION CONTROL PLAN, IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE
TIMING OF CONTROLS/MEASURES	THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY
IS THE CONTRACTOR IS RESPONSIBE FOR THE TIMING OF CONTROLS AND MEASURES AS REQUIRED TO MEET REQUIREMENTS. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS	CONTROLS SHOWN ON THE GRADING, DRAINAGE & EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE GRADING, DRAINAGE & EROSION CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.
N ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM VATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING	
PERMITS HAVE BEEN OBTAINED. # _ERP_APPLICATION	EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES (IF APPLICABLE):
*_BRO_COUNTY_DPEP	I. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
POLLUTION PREVENTION PLAN CERTIFICATION	A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL TTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN CCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION UBMITTED.BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO VANAGE THE SYSTEM,OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR ATHERING THE INFORMATION,THE INFORMATION SUBMITTED IS,TO THE PEST OF MY KNOWLEDGE AND BELIEF,TRUE,ACCURATE,AND COMPLETE.I M AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE	CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. REFER TO THE EROSION CONTROL DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.

3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.

4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENTFREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE
GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS.THIS PRACTICE
APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE
CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL
LIP IS STABILIZED.THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE
AFTER RELEASE.

5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED
IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT
SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION
FACILITY

6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE MINIMIZED.

7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE
DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM
RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS
THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.

8. DUST CONTROL: AREAS OPENED BY CONSTRUCTION OPERATIONS
AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND
RECEIVE FINAL TREATMENT WITHIN 30 DAYS SHALL BE STABILIZED.

9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:ITHAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.

IO. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S)
SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER
SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING
CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED
FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.

II. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.

12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

I3. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.

14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES (IF APPLICABLE):

I. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.

TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN
A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF
DISCHARGE FROM A DISTURBED AREA.
THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED FITHER

THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER

NDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION

NIKF:

A. BLOCK & GRAVEL SEDIMENT FILTER -THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED ARE AS

C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL.THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.

OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

SEDIMENT BASIN: (NOT APPLICABLE)

HAZARDOUS PRODUCTS

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

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED: THEY

CONTAIN IMPORTANT PRODUCT INFORMATION.

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL
AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

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

FERTILIZERS

PETROLEUM PRODUCTS

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

PAINTS

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

CONCRETE TRUCKS

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

SPILL CONTROL PRACTICES

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

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

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

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

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

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

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

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

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

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

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

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

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

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

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

* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES IO PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND

AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.

THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT.THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

PROMPTLY REPAIRED.

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

* WATER FROM WATER LINE FLUSHING

* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

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

CONTRACTOR'S CERTIFICAT

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

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

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

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

FLORIDA 3
R POLLUTION

alland

工

STORMWATER

gineers Land PLANNERS
MANAGERS

GGB Engineers

CIVIL AND FORENSIC ENGINEERS

CONSTRUCTION MANACE FLORIDA REGISTRATION 1

DATE: SCALE:

March 2018 N.T.S.

DESIGNED BY: DRAWN BY

G.G.B. F.M.

PROJECT NO.

18-0425

PROJECT NO.

18-0425

SHEET

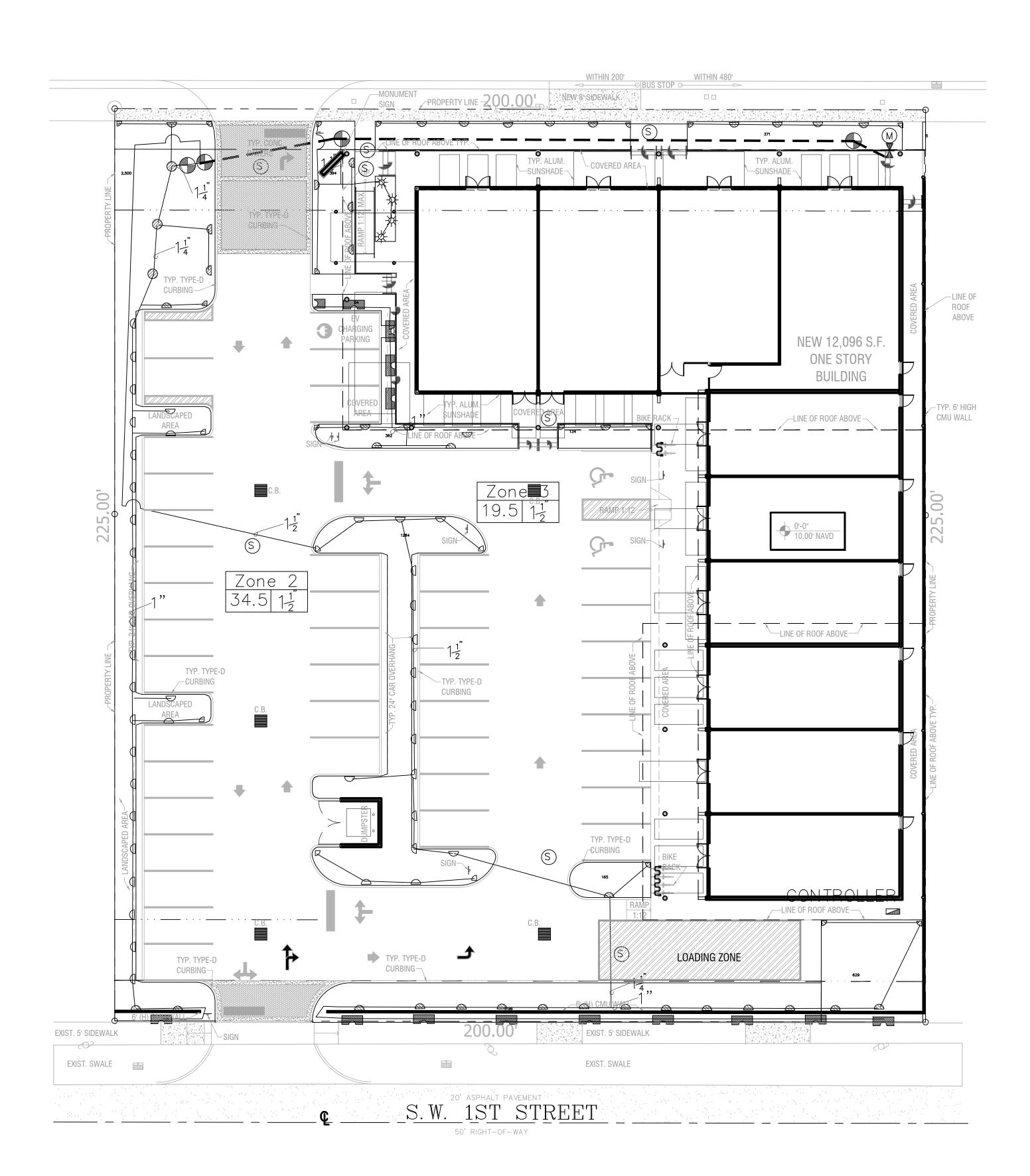
- O

GARY G. BLOOM, P.E. FLA LIC. No. 19832 NOT VALID UNLESS SIGNED

WEST HALLANDALE BEACH BOULEVARD

100 RIGHT OF WAY PER DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION 86508-2605 APROVED 7-26-79

ASPHALT ROADWAY MULTI LANE DIVIDED ROADWAY





IRRIGATION NOTES:

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.

Sleeving 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 UF 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 tite or DBY 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 assure 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 datums.

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.

IRRIGATION LEGEND:

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 #CC-P-6 mounted on Southeast corner of structure, with a Rain Check automatic rain sensor shutoff

switch mounted outside on eave of structure.

ZONE VALVES – Toro 252 Series

M EXISTING WATER METER - 1" or per City Code.

SLEEVES -Sch. 40, 2 Sizes Larger. NOTE - Pipe Size Shown is the Lateral Size, NOT the Sleeve Size

Toro 570 Series MPR Spray Nozzles as Required.
NOTE - All of the below may not be used

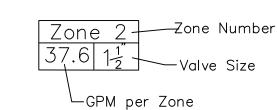
	15' Series -		12' Series -		10' Series -		8' Series -
•	15-Q-PC - 1/4" 15-T-PC - 1/3" 15-H-PC - 1/2"		12-Q-PC - 1/4" 12-T-PC - 1/3" 12-H-PC - 1/2"	Ø	10-Q-PC - 1/4" 10-T-PC - 1/3" 10-H-PC - 1/2"	Ō	8-Q-PC - 1/4 8-T-PC - 1/3 8-H-PC - 1/2
Š	15-TT-PC - 2/3"	Ď	12-TT-PC - 2/3"	Ď	10-TT-PC - 2/3"	Ď	8-TT-PC - 2/3
J	15-TQ-PC - 3/4"		12-TQ-PC - 3/4"		10-TQ-PC - 3/4"	9	8-TQ-PC - 3/4
	15-F-PC - Full		12-F-PC - Full	\oslash	10-F-PC - Full	0	8-F-PC - Full

4S-SST-PC 4 x 18'

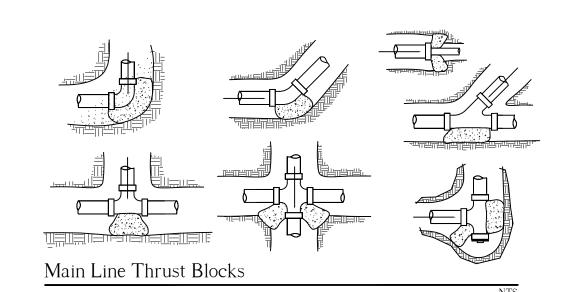
4-EST-PC 4 x 15' 0 4-CST-PC 4 × 30'

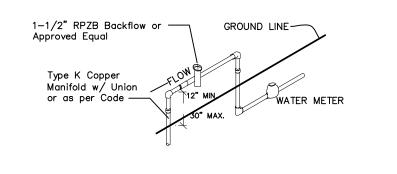
 ★ 6" POP-UP FLOOD BUBBLER -Toro 570 Series MPR Pressure Compensating Nozzles as Required.

SYSTEM DESIGN OPERATING PRESSURE = Between 35 and 40 psi.

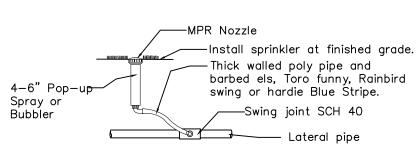


▲ 4″ P□P-UP R□T□R -Hunter PGM Rotor W/ Appropriate Nozzle as Required

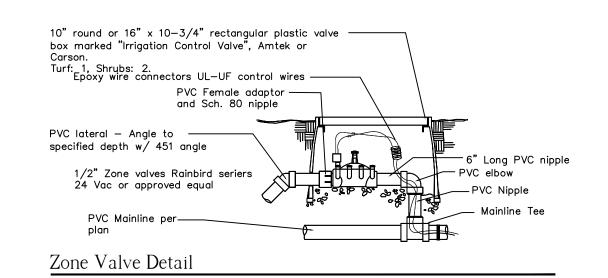


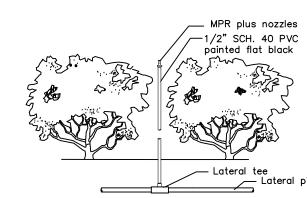


Point of Connection



4 or 6" Pop-up Spray / Bubbler Detail





Shrub Riser Spray Detail

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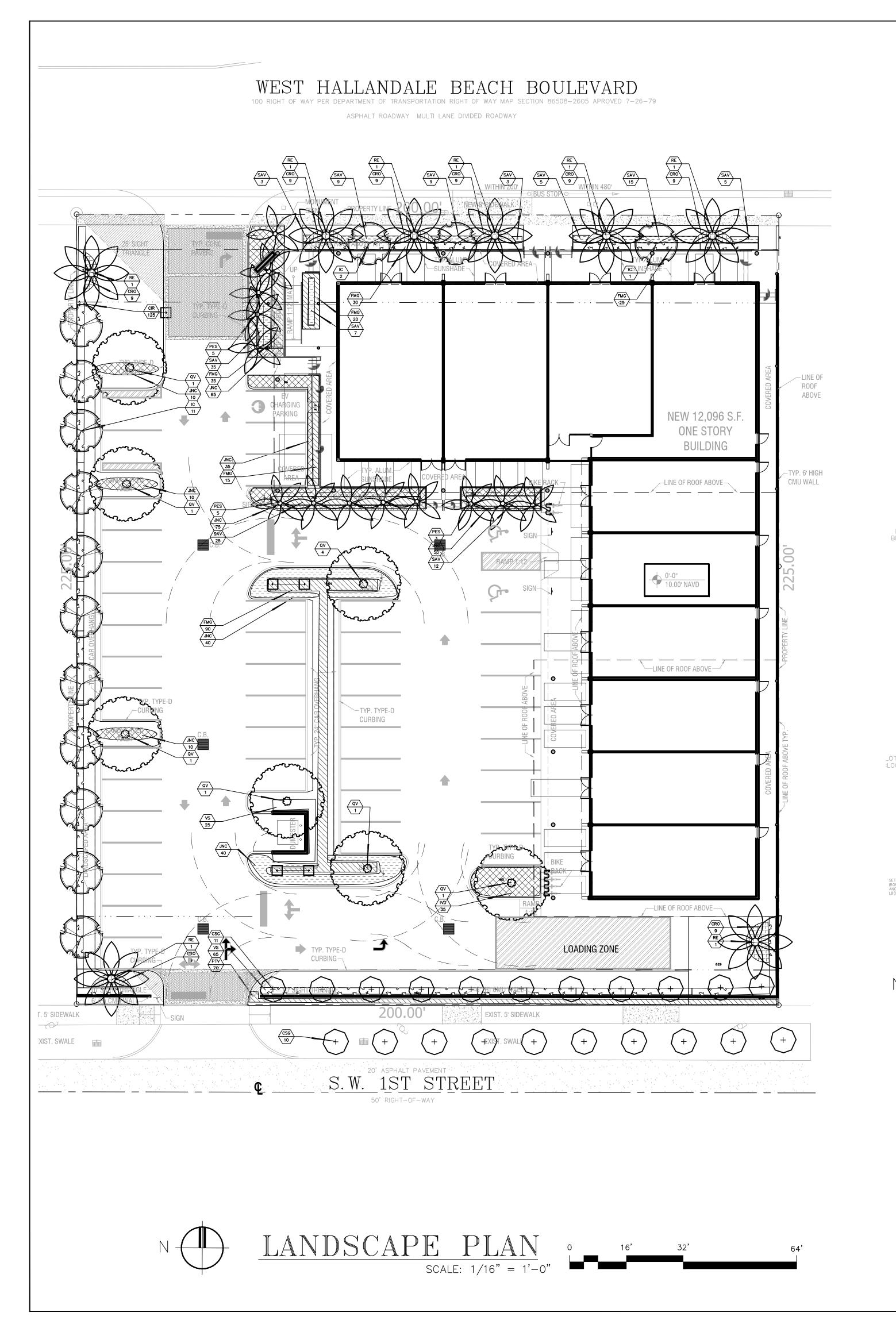
IRRIG,

PROJECT NO. <u>18-118</u> WKT DRAWN BY WKT DESIGNED BY _ WKT CHECKED BY 05-06-18

DATE DWG. NO.

SHT. NO. <u>1</u> of <u>1</u> REVISIONS 06-21-18

11-14-18



PROPOSED PLANT LIST TREES / PALMS Code Part Sun to Full Sun 21 Codia sebestenia / Orange Geiger B&B Field Grown, 2" DBH, 12' OA Part Sun to Full Sun B&B Field Grown, 3" DBH, 15' OA 14 llex cassina / Dahoon Holly 13 Ptychosperma elegens / Solitaire Palms B&B Field Grown, 8-10-12' OA Staggered Very Tolerant B&B Field Grown, 10-12' CT, 20' OA Very Tolerant 8 Roystonea elata / Florida Royal Palm Very Tolerant Part Sun to Full Sun B&B Field Grown, 3" DBH, 15' OA 10 Quercus virginiana / Live Oak Very Tolerant ACCENTS / SHRUBS / GROUND COVERS 125 Chrysobalanus icaco / Red Tip Cocoplum 3 Gal., 24" OA, 2' OC Very Tolerant Part Sun to Full Sun 72 Croton spps / Curly Boy Croton 3 Gal., 24" OA, 2' OC 3 Gal., 24" OA, 2' OC Part Sun to Full Sun Full Sun 335 Juniperus conferta / Shore Juniper 35 llex vomitoria / Dwarf Schellings llex Part Sun to Full Sun 3 Gal., 24" OA, 2' OC Very Tolerant 215 Ficus macrocarpa / Green Island Ficus 3 Gal., 24" OA, 2' OC Very Tolerant Full Sun 70 Pittosporum tibira varigateum / Varigated Pittosporum 3 Gal., 12" OA, 24" OC 3 Gal., 24" OA, 24" OC Very Tolerant Very Tolerant 128 Schefflera aboricola / Trinette Part Sun to Full Sun 90 Viburnum suspenson / Sandankwa Viburnum 3 Gal., 30" OA, 24" OC Part Sun to Full Sun **MISCELLANEOUS**

(N) Florida Native Plant Species

L Very Drought Tolerant WEST HALLANDALE BEACH BOULEVARD BLOCK 1 ID#5142-28-12-0060 BLOCK 1 LOT 11 BLOCK 1 4' CHAINLINK FENCE F.F. ELEV. =9.94'NAVD... BLOCK 1 ID#5142-28-12-0120 BLOCK 1

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 warrantied 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

Solid application — no gaps between seams

V Low Drought Tolerance M Moderate Drought Tolerance

or owner's representative.

Part Sun to Full Sun

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 50 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

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

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. Tonning,RLA.

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.

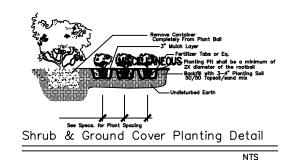
All existing palms to be trimmed and cleaned. TREE DISPOSITION						
#	TREE NAME	DIAMETER	HEIGHT	CANOPHY	DISPOSITION	CONDITION
1	QUEEN PALM	12"	15'	25'	REMOVE	FAIR/GOOD
2	SOLITAIRE PALM	6"	15'	15'	REMOVE	FAIR/GOOD
3	GUMBO LIMBO	4"	10'	100'	REMOVE	FAIR/GOOD
4	SABAL PALM	12"	10'	75'	REMOVE	FAIR/GOOD
5	QUEEN PALM	9"	20'	75'	REMOVE	FAIR/GOOD
6	QUEEN PALM	9"	20'	0'	DEAD	DEAD
7	LIVE OAK	12"	20'	350'	REMOVE	FAIR/GOOD
8	GUMBO LIMBO	10"	30'	450'	REMOVE	FAIR/GOOD
9	GUMBO LIMBO	6"	25'	350'	REMOVE	FAIR/GOOD
10	BEAUTY LEAF	10"	30'	450'	REMOVE	FAIR/GOOD
П	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
12	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
13	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
14	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
15	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
16	GUMBO LIMBO	16"	20'	450'	REMOVE	FAIR/GOOD
17	CITRUS	4"	15'	200'	REMOVE	FAIR/GOOD
18	CRAPE MYRTLE	4"	15'	200'	REMOVE	FAIR/GOOD
19	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
20	VEITCHIA PALM	9"	15'	75'	REMOVE	FAIR/GOOD
21	LIVE OAK	24"	30'	750'	REMOVE	FAIR/GOOD
22	FICUS	6"	20'	400'	REMAIN	OFFSITE
23	FICUS	6"	20'	400'	REMAIN	OFFSITE
24	FICUS	6"	20'	400'	REMAIN	OFFSITE
25	FICUS	6"	20'	400'	REMAIN	OFFSITE
26	FICUS	16"	20'	400'	REMAIN	OFFSITE
	# 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	# TREE NAME I QUEEN PALM 2 SOLITAIRE PALM 3 GUMBO LIMBO 4 SABAL PALM 5 QUEEN PALM 6 QUEEN PALM 7 LIVE OAK 8 GUMBO LIMBO 9 GUMBO LIMBO 10 BEAUTY LEAF II VEITCHIA PALM 12 VEITCHIA PALM 13 VEITCHIA PALM 14 VEITCHIA PALM 15 VEITCHIA PALM 16 GUMBO LIMBO 17 CITRUS 18 CRAPE MYRTLE 19 VEITCHIA PALM 20 VEITCHIA PALM 21 LIVE OAK 22 FICUS 23 FICUS 24 FICUS	TREE DISPOSITION # TREE NAME DIAMETER I QUEEN PALM 12" 2 SOLITAIRE PALM 6" 3 GUMBO LIMBO 4" 4 SABAL PALM 12" 5 QUEEN PALM 9" 6 QUEEN PALM 9" 7 LIVE OAK 12" 8 GUMBO LIMBO 10" 9 GUMBO LIMBO 6" 10 BEAUTY LEAF 10" II VEITCHIA PALM 9" 12 VEITCHIA PALM 9" 13 VEITCHIA PALM 9" 14 VEITCHIA PALM 9" 15 VEITCHIA PALM 9" 16 GUMBO LIMBO 16" 17 CITRUS 4" 18 CRAPE MYRTLE 4" 19 VEITCHIA PALM 9" 20 VEITCHIA PALM 9" 21 LIVE OAK 24" 22 FICUS 6" 23 FICUS 6" 24 FICUS 6" 25 FICUS 6"	# TREE NAME DIAMETER HEIGHT I QUEEN PALM 12" 15' 2 SOLITAIRE PALM 6" 15' 3 GUMBO LIMBO 4" 10' 4 SABAL PALM 12" 10' 5 QUEEN PALM 9" 20' 6 QUEEN PALM 9" 20' 7 LIVE OAK 12" 20' 8 GUMBO LIMBO 6" 25' 10 BEAUTY LEAF 10" 30' 9 GUMBO LIMBO 6" 25' 11 VEITCHIA PALM 9" 15' 12 VEITCHIA PALM 9" 15' 13 VEITCHIA PALM 9" 15' 14 VEITCHIA PALM 9" 15' 15 VEITCHIA PALM 9" 15' 16 GUMBO LIMBO 16" 20' 17 CITRUS 4" 15' 18 CRAPE MYRTLE 4" 15' 19 VEITCHIA PALM 9" 15' 20 VEITCHIA PALM 9" 15' 21 LIVE OAK 24" 30' 22 FICUS 6" 20' 23 FICUS 6" 20' 24 FICUS 6" 20' 25 FICUS 6" 20' 25 FICUS 6" 20'	# TREE NAME DIAMETER HEIGHT CANOPHY I QUEEN PALM 12" 15' 25' 2 SOLITAIRE PALM 6" 15' 15' 3 GUMBO LIMBO 4" 10' 100' 4 SABAL PALM 12" 10' 75' 5 QUEEN PALM 9" 20' 75' 6 QUEEN PALM 9" 20' 350' 8 GUMBO LIMBO 10" 30' 450' 9 GUMBO LIMBO 6" 25' 350' 10 BEAUTY LEAF 10" 30' 450' 11 VEITCHIA PALM 9" 15' 75' 12 VEITCHIA PALM 9" 15' 75' 13 VEITCHIA PALM 9" 15' 75' 14 VEITCHIA PALM 9" 15' 75' 15 VEITCHIA PALM 9" 15' 75' 16 GUMBO LIMBO 16" 20' 450' 17 CITRUS 4" 15' 200' 18 CRAPE MYRTLE 4" 15' 200' 19 VEITCHIA PALM 9" 15' 75' 20 VEITCHIA PALM 9" 15' 75' 21 LIVE OAK 24" 30' 750' 22 FICUS 6" 20' 400' 23 FICUS 6" 20' 400' 24 FICUS 6" 20' 400'	# TREE NAME DIAMETER HEIGHT CANOPHY DISPOSITION I QUEEN PALM 12" 15' 25' REMOVE 2 SOLITAIRE PALM 6" 15' 15' REMOVE 3 GUMBO LIMBO 4" 10' 100' REMOVE 4 SABAL PALM 9" 20' 75' REMOVE 5 QUEEN PALM 9" 20' 0' DEAD 7 LIVE OAK 12" 20' 350' REMOVE 8 GUMBO LIMBO 10" 30' 450' REMOVE 9 GUMBO LIMBO 6" 25' 350' REMOVE 10 BEAUTY LEAF 10" 30' 450' REMOVE 11 VEITCHIA PALM 9" 15' 75' REMOVE 12 VEITCHIA PALM 9" 15' 75' REMOVE 13 VEITCHIA PALM 9" 15' 75' REMOVE 14 VEITCHIA PALM 9" 15' 75' REMOVE 15 VEITCHIA PALM 9" 15' 75' REMOVE 16 GUMBO LIMBO 16" 20' 450' REMOVE 17 CITRUS 4" 15' 75' REMOVE 18 CRAPE MYRTLE 4" 15' 200' REMOVE 20 VEITCHIA PALM 9" 15' 75' REMOVE 19 VEITCHIA PALM 9" 15' 75' REMOVE 10 BEAUTY LEAF 10' 15' 75' REMOVE 11 VEITCHIA PALM 9" 15' 75' REMOVE 12 VEITCHIA PALM 9" 15' 75' REMOVE 15 VEITCHIA PALM 9" 15' 75' REMOVE 16 GUMBO LIMBO 16' 20' 450' REMOVE 17 CITRUS 4" 15' 200' REMOVE 18 CRAPE MYRTLE 4" 15' 200' REMOVE 19 VEITCHIA PALM 9" 15' 75' REMOVE 20 VEITCHIA PALM 9" 15' 75' REMOVE 21 LIVE OAK 24" 30' 750' REMOVE 22 FICUS 6" 20' 400' REMAIN 23 FICUS 6" 20' 400' REMAIN 24 FICUS 6" 20' 400' REMAIN 25 FICUS 6" 20' 400' REMAIN

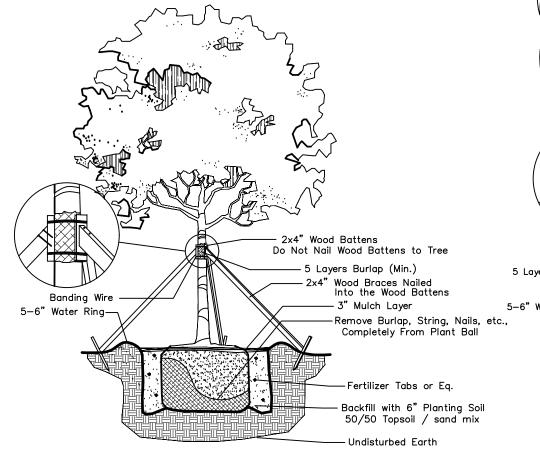


LANDSCAPE CODES Sec. 32-384 REQUIRED: 30 Trees, 3 species

General Requirements: one tree per 1500 SF of site Perimeter Trees : 50% of required trees are to be Shade Trees Interior Landscape: One tree per terminal island, 50% shade trees Street Trees: One tree per 40 linear feet, FPL RTRP One tree per 20 linear feet

PROVIDED: 30 Trees, 3 species General Requirements: one tree per 1500 SF of site Perimeter Trees : 50% of required trees are Shade Trees Interior Landscape: 12 Islands, 10 Trees (2 Islands Lightpoles), more than 50% shade trees Street Trees: 200 linear feet: Hallandale Beach - 5 Trees, SW 1st Street - 10 Trees





Large Tree Planting Detail

Banding Wire — 5 Layers Burlap (Min.) -— 3" Mulch Layer — Remove Burlap, String, Nails, etc. Completely From Plant Ball

Palm Planting Detail

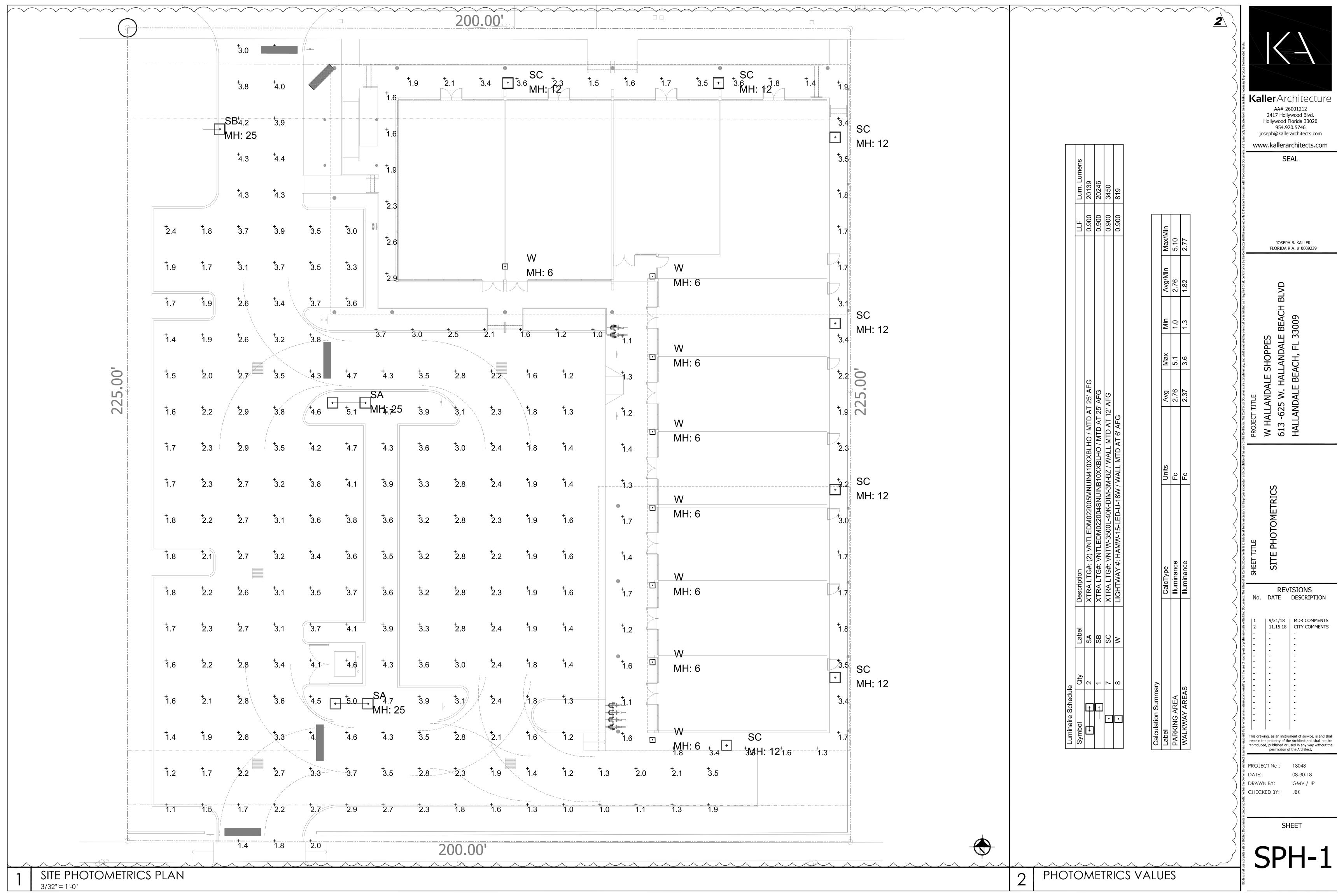
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05-06-18 DATE

REVISIONS 06-21-18

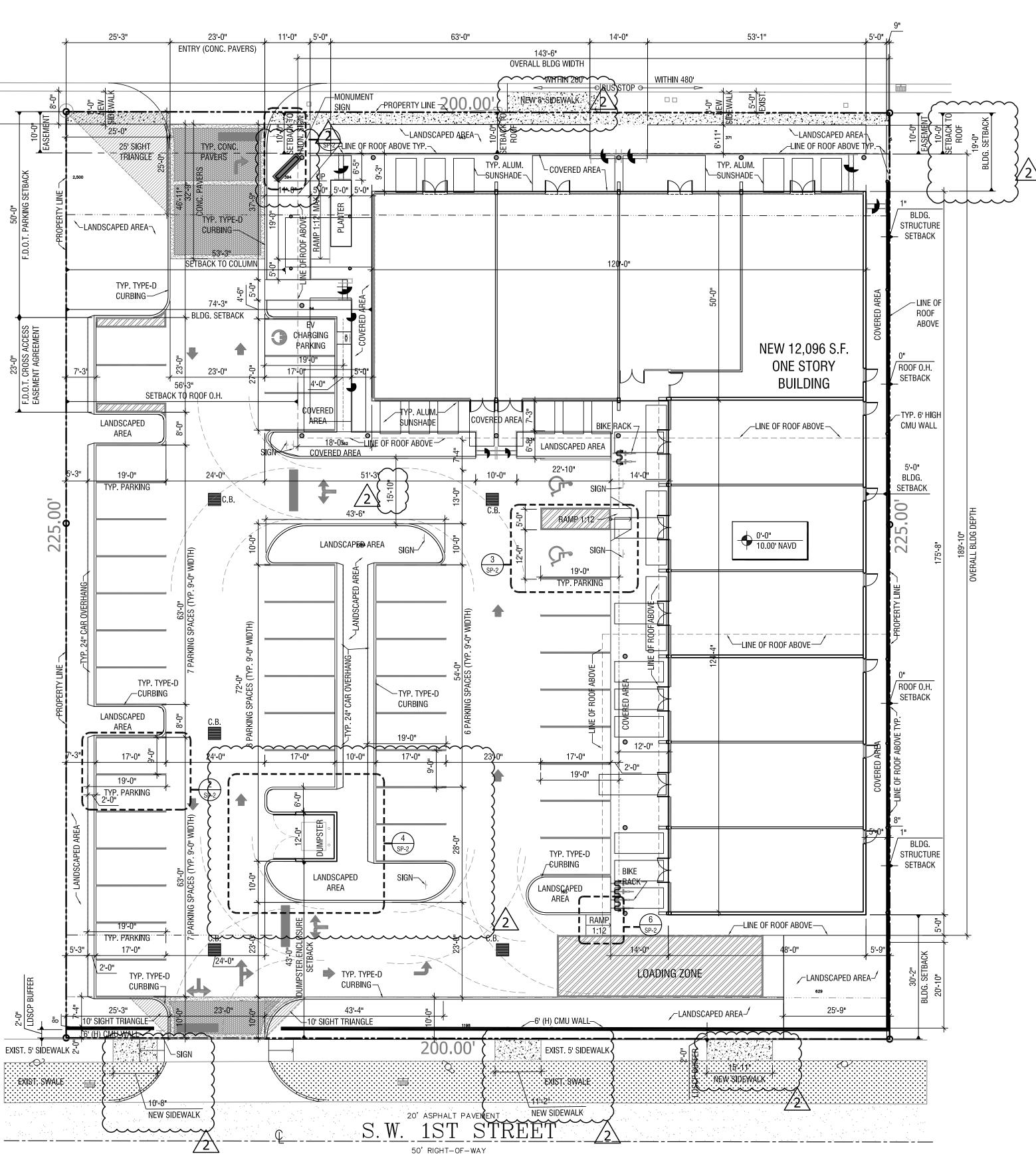
09-21-18 11-14-18



WEST HALLANDALE BEACH BOULEVARD

100 RIGHT OF WAY PER DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP SECTION 86508-2605 APROVED 7-26-79

ASPHALT ROADWAY MULTI LANE DIVIDED ROADWAY



ALL SIGNAGE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF HALLANDALE BEACH'S ZONING AND LAND DEVELOPMENT CODE BASED ON THE B-G ZONING DISTRICT.



LEGAL DESCRIPTION

LOT 7 LESS THE NORTH 25 FEET, BLOCK 1 OF BENNET PIPES FIRST ADDITION TO TOWN OF HALLANDALE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0040 RECORDED IN PLAT BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0110 LOT 20 BLOCK 1, OF BENNET PIPES FIRST ADDITION TO TOWN OF HALLANDALE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0121 LOT 19, BLOCK 1 OF BENNET PIPES FIRST ADDITION TO TOWN OF HALLANDALE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 18, PAGE 5, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, ID#5142-28-12-0120

PROPERTY ADDRESS 613 - 625 WEST HALLANDALE BEACH BLVD. HALLANDALE BEACH, FL 33009

JURISDICTION: CITY OF HALLANDALE BEACH BROWARD COUNTY STATE OF FLORIDA

BUILDING CODES:

FLORIDA BUILDING CODE 2017 6th EDITION NFPA 1, NFPA 101, LIFE SAFETY CODE, 2018 EDITION FIRE CODE, 2018 EDITION CITY OF HOLLYWOOD ZONING CODE

SITE INFORMATION

- EXISTING ZONING: B/-G (BUSINESS GENERAL) - LAND USE DESIGNATION: RDO (REDEVELOPMENT OVERLAY) - CURRENT USE: VACANT / SINGLE FAMILY RESIDENTIAL - PROPOSED USE: COMMERCIAL-RETAIL - LOT AREA: 45,000 S.F. (1.03 ACRES)

NORTH B-G (BUSINESS GENERAL) - ADJACENT ZONING: B-G (BUSINESS GENERAL) RS-7 (RESIDENTIAL SINGLE FAMILY) B-G (BUSINESS GENERAL)

ZONE-X (0.2% ANNUAL CHANCE OF FLOOD HAZARD) - FEMA FLOOD HAZARD: REQUIRED

- SETBACKS 10'-1" (MONUMENT SIGN) - 10'-6" (BUILDING) (a) FRONT (HALLANDALE BEACH BLVD) 15'-0" MIN (b) SIDE INTERIOR (WEST) 0'-0" 3'-8" (TO MONUMENT SIGN) 5'-9" (BUILDING) - 1" (PL WALL) (c) SIDE INTERIOR (EAST) (d) REAR (S.W. 1ST STREET) 25'-0" 28'-6"

REQUIRED - PARKING: PROVIDED 12,096 S.F./ 300= 41 SPACES (INCL. 2 ADA) 2 RETAIL (1:300 S.F.) 41 SPACES (+2 TEMP. SPACES @ F.D.O.T. CROSS

ACCESS EASEMENT) 43 SPACES TOTAL - LOADING: COMMERCIAL 2 SPACES 1 SPACE (VARIANCE REQUESTED)

- PERVIOUS COMMERCIAL 15% (MIN) OR 6,750 S.F.

 $\sim\sim\sim$ LANDSCAPE

45,000 S.F.

19'-0" - 25'-0"

SITE AREAS BREAKDOWN

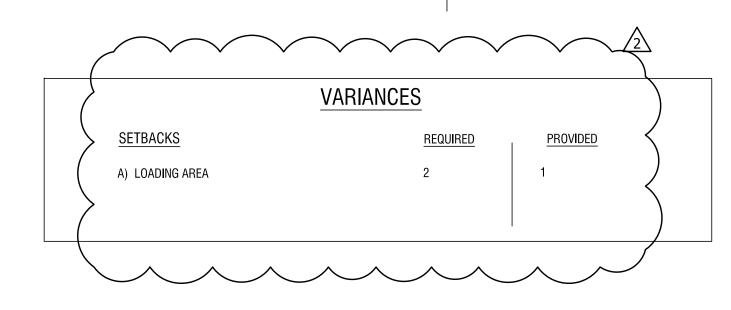
12,096 S.F. BUILDING 2. COLUMNS 13 S.F. 3. PLANTER 4. PERIMETER SITE WALLS 250 S.F. 5. DUMPSTER 14 S.F. 6. MONUMENT SIGN 5,861 S.F. 7. SIDEWALKS 492 S.F. 8. CURBING __ 17,141 S.F. 9. PAVEMENT 755 S.F. 10. PAVERS __7,579 S.F. 13. LANDSCAP**I**NG 14. GREEN AREA (F.D.O.T. CROSS ACCESS 155 S.F. 15. GREEN AREA (TYP. 24" PARKING OVERHANG) 429 S.F.

BUILDING SUMMARY

- BUILDING HEIGHT:

PROJECT DATA

- BUILDING FRONTAGE: REQUIRED/ ALLOWED <u>PROVIDED</u> 60% MIN 120'-0" (60%) (120'-0") - BUILDING AREA: 12,096 S.F.



350'-0"

Kaller Architecture AA# 26001212 2417 Hollywood Blvd. Hollywood Florida 33020

www.kallerarchitects.com

954.920.5746

joseph@kallerarchitects.com

SEAL

JOSEPH B. KALLER FLORIDA R.A. # 0009239

REVISIONS No. DATE DESCRIPTION

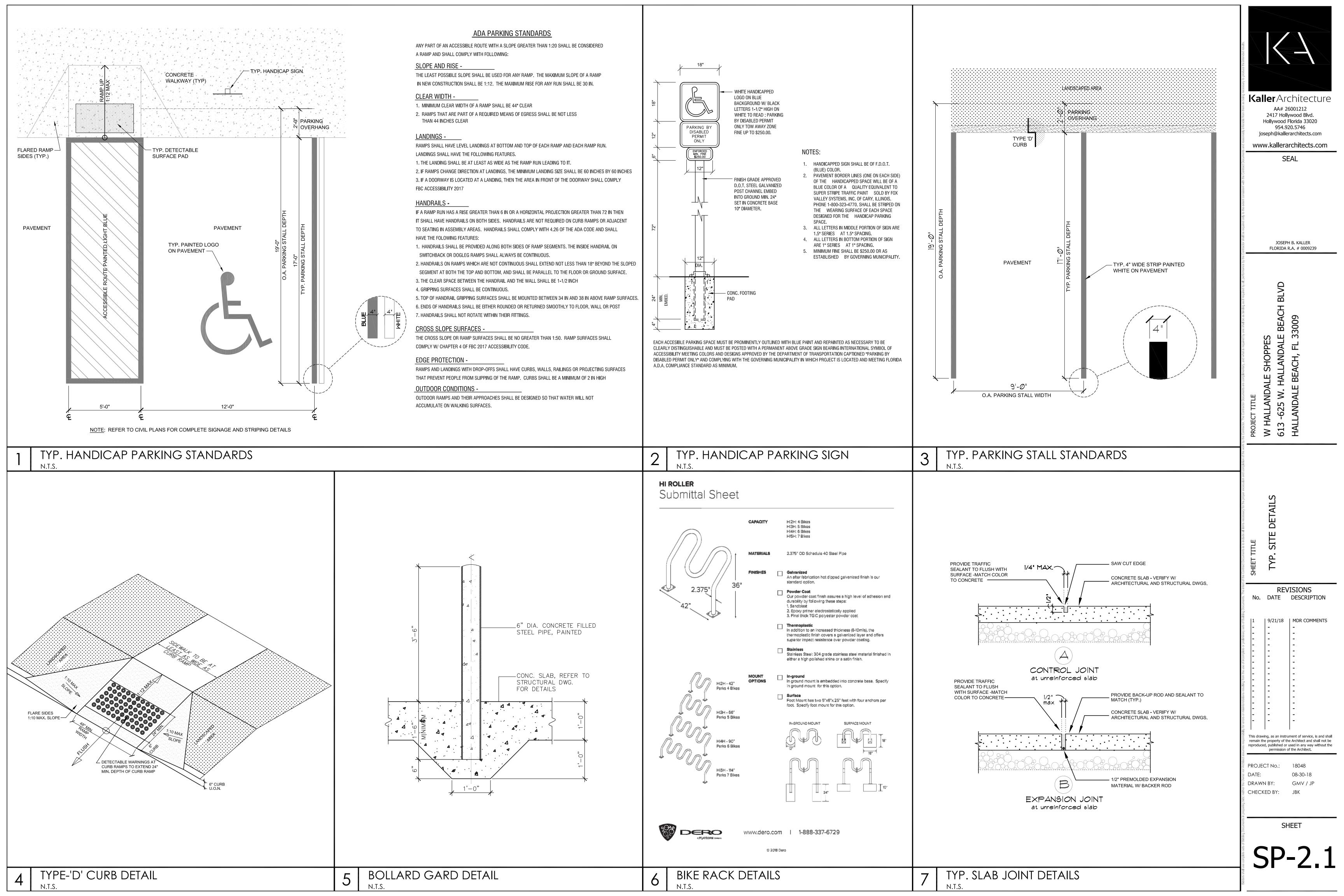
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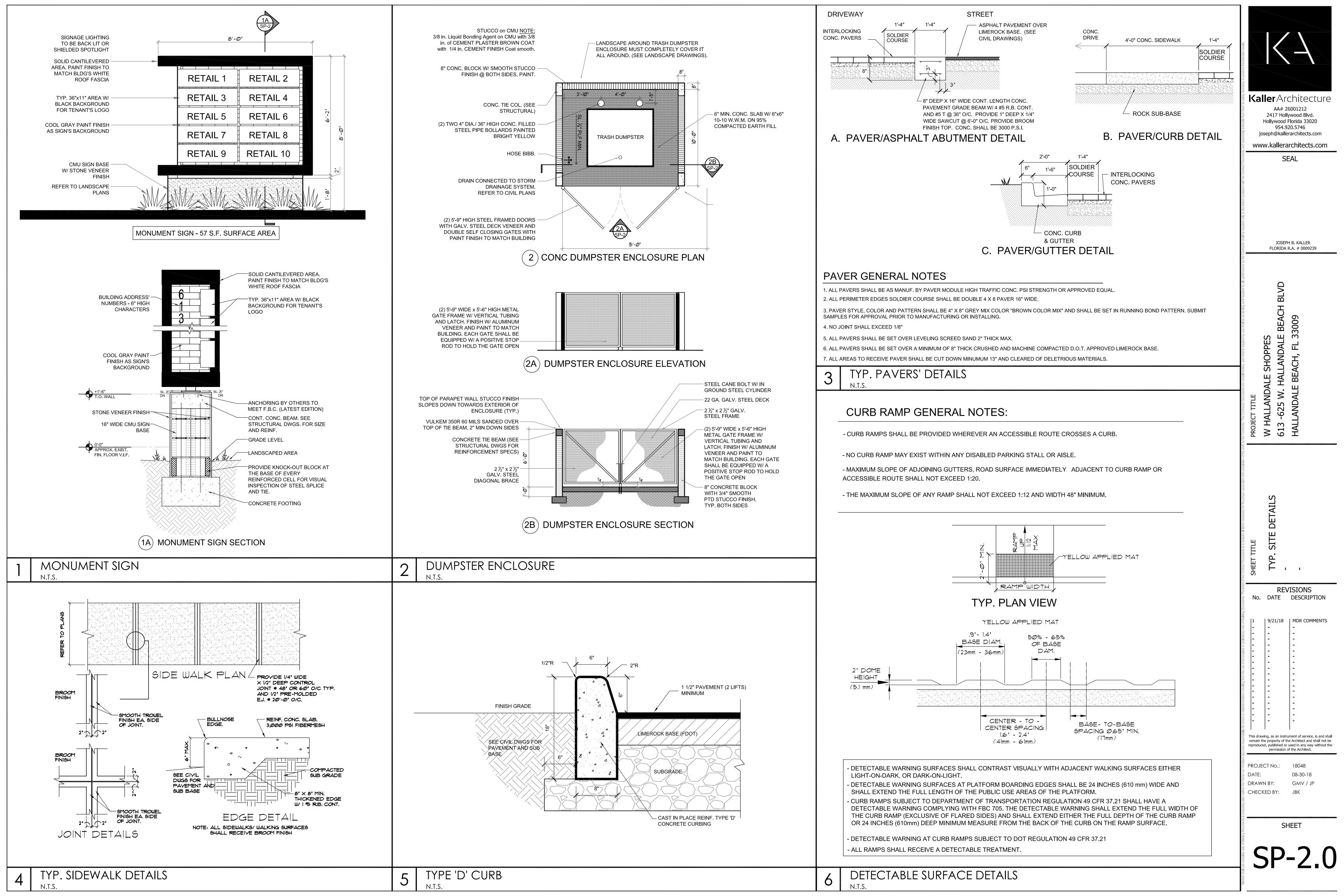
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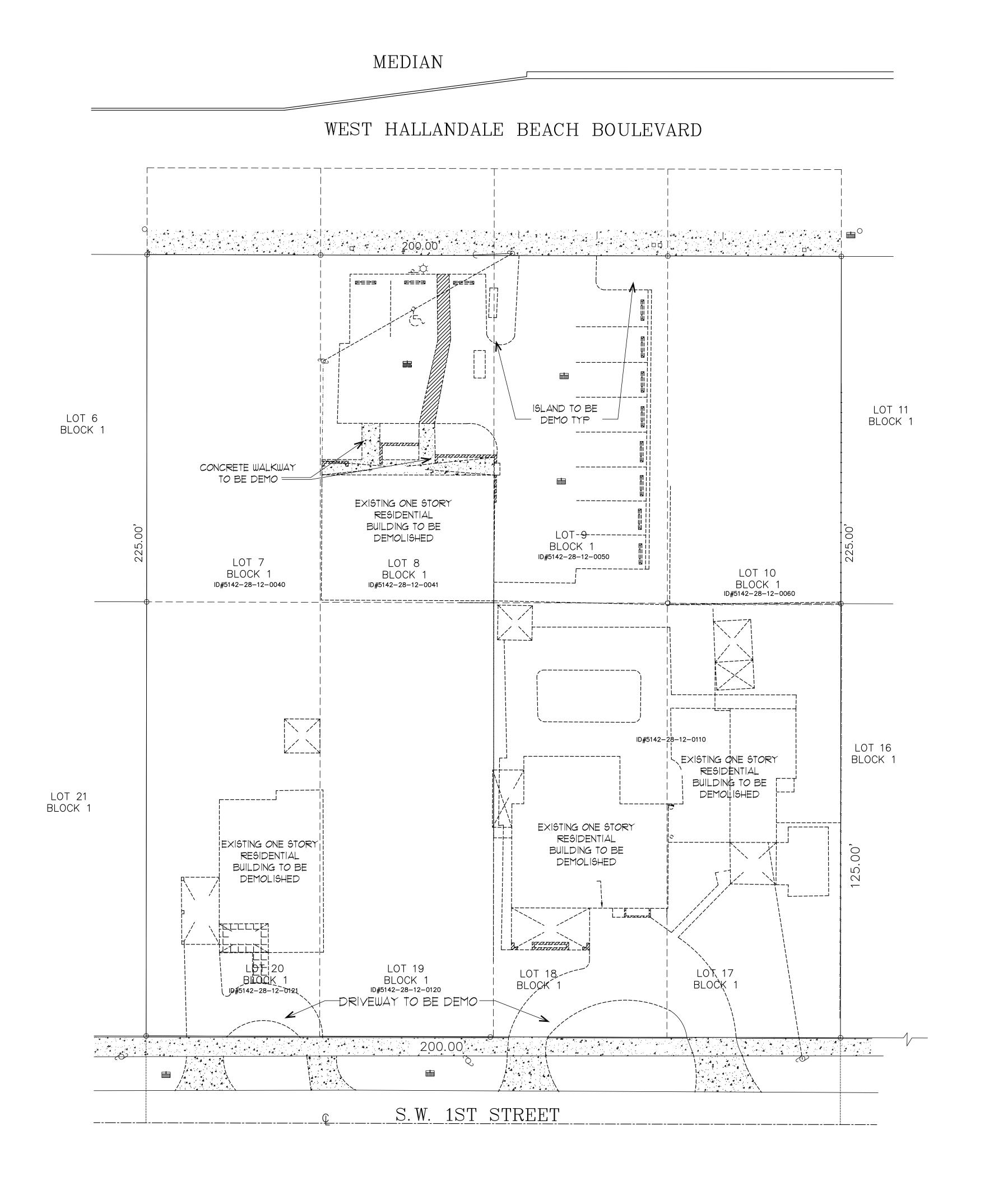
PROJECT No.: 18048 DATE: DRAWN BY: CHECKED BY:

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REQUIREMENTS INCLUDED:

A.

1. COORDINATE WORK OF TRADES AND SCHEDULE ELEMENTS ALTERATIONS AND RENOVATION WORK BY PROCEDURESAND METHODS TO EXPEDITE COMPLETION OF THE WORK.

2. CUT, MOVE OR REMOVE ITEMS AS NECESSARY TO PROVIDE ACCESS OR TO ALLOW ALTERATIONS AND NEW WORK TO PROCEED. INCLUDE SUCH ITEM AS :

a. REPAIR OR REMOVAL OF HAZARDOUS OR UNSANITARY CONDITIONS.

b. REMOVAL OF ABANDONED ITEMS AND ITEMS SERVING NO USEFUL PURPOSE, SUCH AS ABANDONED PIPING, CONDUIT, AND WIRING.

c. REMOVAL OF UNSUITABLE OR EXTRANEOUS MATERIALS NOT MARKED FOR SALVAGE, SUCH AS ABANDONED EQUIPMENT AND DEBRIS INCLUDING ROTTED WOOD, RUSTED METALS AND DETERIORATED CONCRETE.

В.

1. CONDITIONS AND REQUIREMENTS: THE DEMOLITION CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR HAULING AND LEGALLY DISPOSING OF MATERIALS REMOVED IN DEMOLITION WORK.

2. PROCEDURES: THE PROCEDURES PROPOSED FOR THE ACCOMPLISHMENT OF SALVAGE AND DEMOLITION WORK SHALL PROVIDE FOR SAFE CONDUCT OF THE WORK, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS, PROTECTION OF PROPERTY, COORDINATION WITH WORK OF OTHERS IN PROGRESS, AND TIMELY DISCONNECTION OF UTILITY SERVICES. THE PROCEDURES SHALL INCLUDE A DETAILED DESCRIPTION OF METHODS AND EQUIPMENT TO BE USED FOR EACH OPERATION.

3. PARTITION: REMOVE ALL EXISTING INTERIOR PARTITIONS AND RELATED UTILITIES AS INDICATED IN THE DEMOLITION PLAN.

4. DUST CONTROL: THE AMOUNT OF DUST RESULTING FROM DEMOLITION SHALL BE CONTROLLED TO PREVENT THE THE SURROUNDING AREA. USE OF WATER WILL NOT BE PERMITTED WHEN IT WILL RESULT IN, OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS FLOODING.

5. PROTECTION OF EXISTING BUILDING:

a. EXISTING BUILDING SHALL BE PROTECTED FROM DAMAGE. ANY PART DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS

AT CONTRACTOR'S EXPENSE.

b. COVER ITEMS AS NECESSARY TO PROTECT FROM DUST.c. AT END OF EACH WORK DAY, CLOSE OFF AREAS FROM

PUBLIC.

d. DEMOLITION CONTRACTOR SHALL PROVIDE AND

MAINTAIN NECESSARY BARRICADES TO PREVENT SPILLAGE ON ANY UNAUTHORIZED PERSONS FROM

ACCIDENTALLY OR INTENTIONALLY ENTERING THE WORK

AREA.

6. ENVIRONMENTAL PROTECTION: ALL WORK AND CONTRACT OPERATIONS SHALL COMPLY WITH ALL REQUIREMENTS OF STATE AND BROWARD COUNTY ENVIRONMENTAL PROTECTION REGULATIONS.
7. EXPLOSIVE AND BURNING:

a. USE OF EXPLOSIVES WILL NOT BE PERMITTED.

b. USE OF FIRE FOR DEMOLITION OR DISPOSAL OF

MATERIAL OR ANY OTHER SITUATION INTENTIONAL OR

ACCIDENTAL WILL NOT BE PERMITTED

8. EXISTING UTILITIES TO BE PROTECTED DURING DEMOLITION

a. CONTACT ALL UTILITIES INCLUDING ELECTRIC, WATER, GAS AND TELEPHONE, PRIOR TO BEGINNING WORK AND REQUEST THAT ALL SERVICE BE SHUT OFF AND CAPPED AT PRIMARY SERVICE LINES.

b. REMOVE ALL EXISTING UTILITIES ACCORDING TO SEQUENCE OF OPERATIONS APPROVED AT START OF PROJECT.

c. REMOVE ALL EXISTING UTILITIES UNCOVERED BY DEMOLITION AND TERMINATE IN A MANNER AND AT A TIME SATISFACTORY TO UTILITY COMPANIES INVOLVED. WHERE UTILITY COMPANY DESIRES TO EFFECT THE REMOVAL OF THEIR MATERIALS THEY SHALL BE PERMITTED TO DO SO.

d. REMOVE AND DELIVER METERS AND RELATED EQUIPMENT TO THE APPROPRIATE UTILITY COMPANIES WITHOUT ADDITIONAL COST TO THE OWNER. WHEN UTILITY LINES ARE ENCOUNTERED THAT ARE NOT ON THE DRAWINGS OR VISIBLE THEY SHALL BE DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS OF THE ARCHITECT/ENGINEER.

e. INSTALL AND LEAVE A WELL MARKED STAKE AT CAPPED END OF EVERY UTILITY CAPPED ON THE SITE.

9. DISPOSING OF MATERIAL:

a. TITLE TO MATERIALS: TITLE TO ALL MATERIAL AND EQUIPMENT TO BE DEMOLISHED AND REMOVED EXCEPT ITEMS INDICATED TO BE TURNED OVER TO THE OWNER IS VESTED IN THE CONTRACTOR AT START OF PROJECT. THE OWNER WILL NOT BE RESPONSIBLE FOR THE CONDITIONS, LOSS, OR DAMAGE TO SUCH PROPERTY AFTER NOTICE TO PROCEED.

b. DEBRIS CONTROL: REMOVE AND TRANSPORT DEBRIS IN LEAK-FREE CONTAINERS IN A MANNER TO PREVENT SPILLAGE ON ANY PART OF EXISTING BUILDING, PARKING LOT AREAS, OR CITY STREETS.

c. REGULATIONS: COMPLY WITH COUNTY, MUNICIPALITY, AND CITY REGULATIONS REGARDING HAULING AND DISPOSAL OF DEBRIS. ALL SUCH MATERIAL SHALL BE DISPOSED OF OFF SITE IN A LEGAL DISPOSAL AREA.

10. PREPARATION:

a. PROVIDE ADEQUATE TEMPORARY SUPPORT AS NECESSARY TO ASSURE STRUCTURAL VALUE OR INTEGRITY OF AFFECTED PORTION OF PROJECT FROM DAMAGE.

b. PROVIDE DEVICES AND METHODS TO PROTECT OTHER PORTIONS OF PROJECT FROM DAMAGE.

c. PROVIDE PROTECTION FROM ELEMENTS FOR THAT PORTION OF THE PROJECT WHICH MAY BE EXPOSED BY CUTTING AND PATCHING WORK.

11. PERFORMANCE:

a. EXECUTE CUTTING AND DEMOLITION BY METHODS WHICH WILL PREVENT DAMAGE TO OTHER WORK, AND WHICH WILL PROVIDE PROPER SURFACES TO RECEIVE INSTALLATION OF REPAIRS.
b. EXECUTE FITTING AND ADJUSTMENT OF PRODUCTS TO PROVIDE A FINISHED INSTALLATION TO COMPLY

WITH SPECIFIED PRODUCTS, FUNCTION, TOLERANCE AND FINISHES.

c. RESTORE WORK WHICH HAS BEEN CUT OR REMOVED. INSTALL NEW PRODUCTS TO PROVIDE COMPLETED

WORK IN ACCORD WITH REQUIREMENTS THROUGH DOCUMENTS.
d. FIT WORK AIR-TIGHT TO PIPES, SLEEVES, DUCTS, CONDUIT AND OTHER PENETRATIONS THROUGH SURFACES.

e. REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE AN EVEN FINISH TO MATCH ADJACENT FINISHES.

f. FOR CONTINUOUS SURFACES, REFINISH TO NEAREST INTERSECTION.

g. FOR AN ASSEMBLY, REFINISH ENTIRE UNIT.

12. CONTRACTOR SHALL VERIFY ALL EXIST'G CONDITIONS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION. CONTRACTOR SHALL CONTACT THE STRUCTURAL ENGINEER OF RECORD SHOULD A CONFLICT OCCUR BETWEEN THE EXISTING CONDITIONS AND THOSE CONDITIONS DEPICTED ON THESE PLANS.

13. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING & STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING & ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING. TEMPORARY BRACING. GUYS OR TIEDOWNS.

14. ALL SAFETY DEVICES SHALL REMAIN OPERABLE DURING DEMOLITION PROCESS.

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SEAL

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625 W. HALLANDALE BEACH
ANDALE BFACH, FL 33009

EET TITLE DEMOLITION SITE PLAN

REVISIONS

No. DATE DESCRIPTION

| 1 | 9/21/18 | MDR COMMENTS | 2 | 11.14.18 | CITY COMMENTS

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PROJECT No.: 18048

DATE: 08-30-18

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