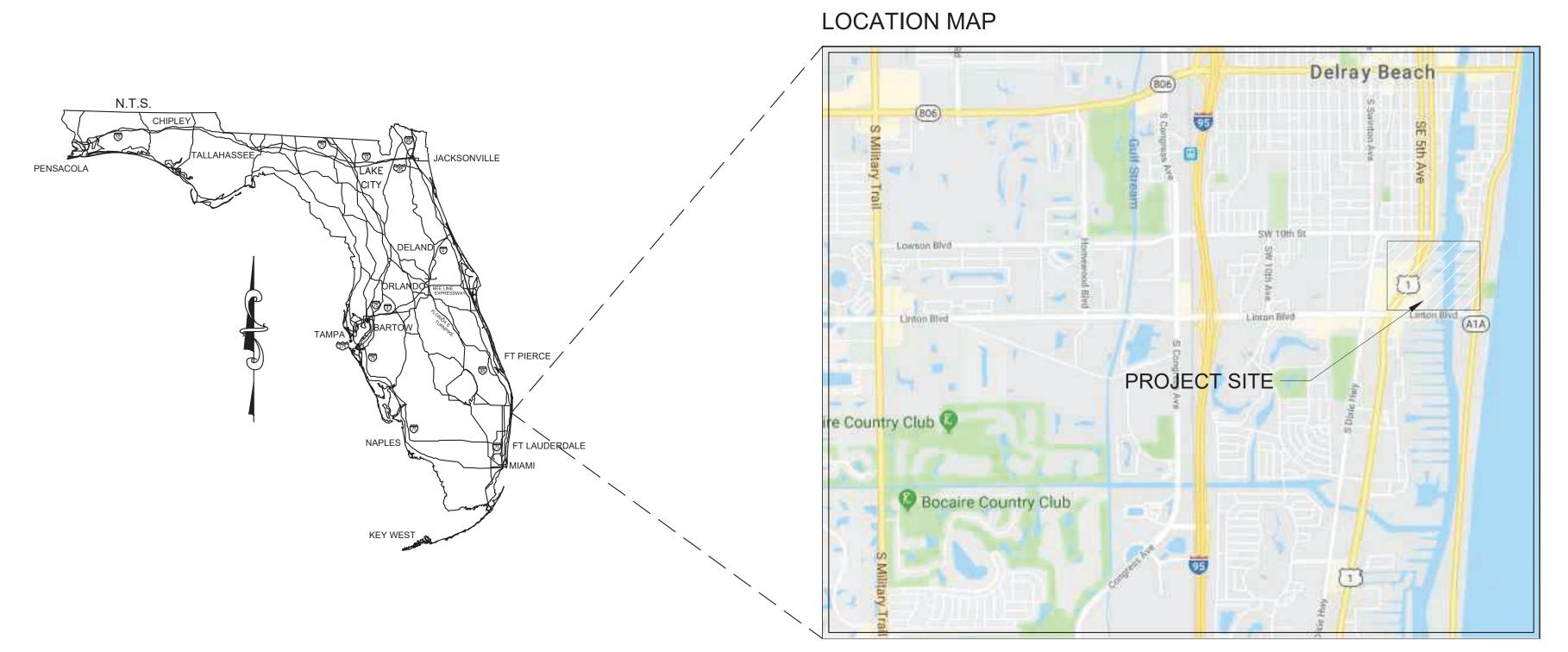
HARBOUR'S EDGE PARKING IMPROVEMENTS

PROJECT TITLE:

100% CONSTRUCTION DOCUMENTS

PREPARED FOR: LIFESPACE COMMUNITIES INC. WEST DES MOINES, IA 50266



PROJECT LOCATED IN SECTION 21 / TOWNSHIP 46 SOUTH / RANGE 43 EAST PALM BEACH COUNTY, FL

SHEET INDEX

T1.0 **COVER SHEET**

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C4.0-C4.2 PAVING, GRADING, & DRAINAGE PLAN

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	PERMIT T	RACKING	
PERMITTING AGENCY	PERMIT NAME	PERMIT NUMBER	EXPIRATION DATE

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983. FLORIDA STATE PLANES, EAST ZONE, U.S. FEET (NAD83)



NO:	DATE:	DESCRIPTION:
DRAV	VN DATE:	2019-07-07
DRAV	VN BY:	GAT
CHEC	KED BY:	CJH
PROJ	ECT#:	4224.00

ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

PE# 66344

September 18, 2019

100% CONSTRUCTION **PLANS**

> SHEET #: TOTAL SHEETS 27

T1.0

GENERAL NOTES

- REGULATIONS ALL CONSTRUCTION SHALL BE DONE IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL CITY OF DELRAY BEACH. STATE AND FEDERAL REGULATIONS AND OR CODES INCLUDING BUT NOT LIMITED TO THE CURRENT PALM BEACH COUNTY AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) LATEST REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES TO BEGIN WORK AND PAY ALL REQUIRED FEES ASSOCIATED WITH SAME.
- 2. STANDARD DETAILS AND SPECIFICATIONS STATE, COUNTY AND CITY OF DELRAY BEACH CONSTRUCTION DETAILS AND SPECIFICATIONS SHALL BE APPLIED TO THE APPROPRIATE AREAS OF THE PLANS, GENERALLY DIFFERENTIATED BY PROPERTY OWNERSHIP LINES OR INTENT OF THE DESIGN. ANY CONFLICTS BETWEEN GOVERNING STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 3. DATUM UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREON REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL DATA SHOWN HEREON REFERS TO N.A.D. 83 FLORIDA STATE PLANE EAST ZONE. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION BEGINS OR RESUMES.
- 4. CHANGES ALL CHANGES SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 5. GUARANTEE THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF PROJECT ACCEPTANCE, DURING WHICH ALL FAULTY CONSTRUCTION AND/OR MATERIAL SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 6. SHOP DRAWINGS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 7. MAINTENANCE OF TRAFFIC (M.O.T.) UNLESS OTHERWISE PERMITTED, THE CONTRACTOR SHALL MAINTAIN EXISTING PEDESTRIAN AND VEHICULAR TRAFFIC AND ACCESS AT ALL TIMES DURING CONSTRUCTION AND SHALL PROVIDE THE NECESSARY TEMPORARY PAVEMENT, BARRICADES, LIGHTING, SIGNS, FLAGMEN, ETC. FOR THE SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL SUBMIT M.O.T. AND A.D.A. ACCESS PLANS TO THE ENGINEER FOR REVIEW AND PROPERTY OWNER APPROVAL OF WORK TO BE DONE WITHIN THE PROJECT SITE. M.O.T. SHALL BE IN ACCORDANCE WITH A.D.A., M.U.T.C.D. AND F.D.O.T. INDEX SERIES 600.
- RECORD DRAWINGS THE CONTRACTOR SHALL SUBMIT RECORD DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL. RECORD DRAWINGS MUST BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR REGISTERED IN THE STATE OF FLORIDA AND BE REFERENCED TO THE DATUM SHOWN IN THE CONSTRUCTION PLANS. ANY UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE INCORPORATED INTO THE RECORD DRAWINGS. ALL UTILITIES MUST BE SHOWN IN THEIR AS-BUILT LOCATION.
- 9. RESPONSIBILITY THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL VERIFY THE LOCATION, SIZE AND MATERIAL OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION IN OR AROUND THAT UTILITY. CALL "SUNSHINE STATE ONE CALL" AT 1-800-432-4770 PRIOR TO ANY EXCAVATION. THE ENGINEER AND OWNER SHALL BE HELD HARMLESS AGAINST ALL CLAIMS OR DAMAGES.
- 10. RESTORATION THE CONTRACTOR SHALL IMMEDIATELY REPAIR AND RESTORE EXISTING SITE FEATURES INCLUDING PAVEMENT, DRIVEWAYS, PIPES, FENCES, TRAFFIC CONTROL DEVICES, MAILBOXES AND PROPERTY CORNERS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES. THE REPAIR AND RESTORATION SHALL CONFIRM TO APPLICABLE STANDARDS AS GOVERNED.
- 11. OPEN TRENCHES ALL OPEN TRENCHES AND HOLES SHALL BE PROPERLY MARKED AND BARRICADED TO INSURE THE SAFETY OF VEHICULAR AND PEDESTRIAN TRAFFIC. NO OPEN TRENCHES OR HOLES SHALL BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT EXPRESSED PERMISSION FROM THE OWNER, ENGINEER AND REGULATING AGENCIES. ALL TRENCHES SHALL COMPLY WITH OSHA TRENCH SAFETY ACT PROVISIONS.
- 12. CONFLICTS ANY CONFLICTING INFORMATION BETWEEN REGULATING AGENCIES AND THE CONSTRUCTION DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. AFFECTED CONSTRUCTION SHALL NOT COMMENCE OR RESUME UNTIL PERMISSION IS GRANTED BY THE ENGINEER OR OWNER.
- 13. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FLORIDA POWER AND LIGHT (FPL) ON ANY WORK IN THE VICINITY OF OVERHEAD AND UNDERGROUND POWER LINES.
- 14. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER

LINES PRIOR TO WORKING WITHIN THE VICINITY OF POWER LINES.

- 15. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE LANDSCAPE PLANS OR DESIGNATED IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT, IN KIND, OF ANY TREES SPECIFIED TO BE SAVED THAT ARE DAMAGED AS A RESULT OF WORK CONDUCTED.
- 16. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEE SECURED AND THE CONTRACTOR IS ISSUED A NOTICE TO PROCEED.

CLEARING AND GRUBBING

- 1. CLEARING CLEARING SHALL BE LIMITED TO THE CONSTRUCTION AREA AND/OR AS DIRECTED BY THE ENGINEER OR OWNER AND APPROVED BY THE CITY OF DELRAY BEACH.
- 2. GRUBBING ALL STUMPS, ROOTS, BURIED LOGS OR OTHER UNSUITABLE MATERIAL WITHIN THE LIMITS OF PAVEMENT CONSTRUCTION SHALL BE REMOVED TO A DEPTH OF 30" BELOW FINISHED PAVEMENT ELEVATION AND REPLACED WITH CLEAN FILL.
- DEBRIS REMOVAL ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED. ANY MATERIAL RETAINED ON-SITE FOR MORE THAN 30 DAYS SHALL BE STORED IN CONTAINERS APPROVED BY THE ENGINEER AND CITY OF DELRAY BEACH.
- PROTECTION THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING BUILDINGS, UTILITIES, STRUCTURES THAT ARE ABOVE OR BELOW GROUND AND SHALL HOLD THE ENGINEER AND OWNER HARMLESS AGAINST ALL CLAIMS OR DAMAGES.
- 5. LANDSCAPED AREAS ALL LANDSCAPE PLANTING AREAS SHALL BE FREE OF BASE ROCK AND CONSTRUCTION DEBRIS AND EXCAVATED TO A MINIMUM DEPTH OF 30" OR TO CLEAN, NATIVE SOIL. REFER TO THE LANDSCAPE PLANS (BY OTHERS) FOR ADDITIONAL PLANTING INFORMATION AND DETAILS.
- 6. MUCK ANY MUCK ENCOUNTERED WITHIN 10' OF THE PAVEMENT AND BUILDING AREAS SHALL BE REMOVED AND REPLACED WITH CLEAN FILL MATERIAL.
- 7. HARDPAN HARDPAN ENCOUNTERED IN THE DETENTION AREA SHALL BE REMOVED AND REPLACED WITH CLEAN, GRANULAR FILL MATERIAL.

PAVING AND DRAINAGE

- 1. SUBGRADE SUBGRADE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T-180 (ASTM-D1557) SPECIFICATIONS. ALL STUMPS, ROOTS, AND OTHER DELETERIOUS MATERIAL ENCOUNTERED SHALL BE REMOVED TO A DEPTH OF 30" BELOW FINISHED ROAD GRADE AND REPLACED WITH CLEAN FILL COMPACTED TO NOT LESS THAN 100% OF MAXIMUM DENSITY. ALL SUCH MATERIAL SHALL BE REMOVED FROM WITHIN 8 FEET OF THE EDGE OF PAVEMENT. STABILIZED SUBGRADE SHALL CONFORM TO SECTION 160 OF FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND HAVE A MINIMUM LBR OF 40.
- 2. BASE APPROVED SHELLROCK AND LIMEROCK SHALL CONFORM TO APPLICABLE PARTS OF SECTIONS 285 OF THE CURRENT FDOT SPECIFICATIONS. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 (ASTM-D1557). PRIME COAT MINIMUM APPLICATION RATE OF 0.10 GAL/S.Y. TACK COAT MINIMUM APPLICATION RATE OF 0.05 GAL/SY.
- 3. ASPHALT CONCRETE STRUCTURAL AND SURFACE COURSES SHALL CONFORM TO APPLICABLE SECTIONS 300 THROUGH 341 OF THE CURRENT FDOT SPECIFICATIONS.
- 4. STRUCTURES INLETS AND MANHOLES SHALL BE AS SPECIFIED ON THE PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CURRENT FDOT SPECIFICATIONS. INLET GRATES SHALL BE SECURED IN ACCORDANCE WITH FDOT INDEX NO
- 5. PIPES DRAINAGE PIPES SHALL CONFORM WITH THE APPLICABLE SECTIONS OF THE CURRENT FDOT SPECIFICATIONS.
- 6. REINFORCING STEEL ALL REINFORCING STEEL SHALL CONFORM TO ASTM A- 615 SPECIFICATIONS.
- 7. CONCRETE CONCRETE SHALL DEVELOP A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI UNLESS OTHERWISE NOTED ON THE PLANS AND SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CURRENT FDOT SPECIFICATIONS.
- 8. PIPE BACKFILL PIPE BACKFILL SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CURRENT FDOT SPECIFICATIONS. PIPE BACKFILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO NOT LESS THAN 100% MAXIMUM DENSITY AS DEFINED BY AASHTO T-180.
- 9. TRAFFIC CONTROL DEVICES ALL TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND SIGNS SHALL BE AS DEFINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), PALM BEACH COUNTY TYPICAL #T-P-18 AND/OR THE CURRENT FDOT SPECIFICATIONS, WHERE APPLICABLE. THERMOPLASTIC MATERIAL SHALL BE USED FOR FINAL PAVEMENT MARKINGS EXCEPT PARKING SPACES. IF PAVER BRICKS ARE USED IN MARKED PAVEMENT, BRICKS OF APPROPRIATE COLOR AND CONTRAST SHALL BE USED IN LIEU OF PAINT OR THERMOPLASTIC MATERIAL. PAINT MAY BE USED FOR TEMPORARY STRIPING.
- 10. WHERE CONNECTIONS TO AN EXISTING DRAINAGE SYSTEM ARE PROPOSED, SAID EXISTING DRAINAGE STRUCTURES AND LINES SHALL BE CLEANED OF ALL SILT AND OTHER DEBRIS PRIOR TO SAID CONNECTIONS BEING MADE, AND WHERE THE EXISTING DRAINAGE SYSTEM INCLUDES DITCHES, SAID DITCHES SHALL BE CLEARED AND REWORKED, AS NECESSARY, TO RESTORE THEM TO AN APPROVED DESIGN SECTION. DRAINAGE SYSTEMS ARE TO BE CLEANED AND/OR GRADED TO THE POINT OF LEGAL POSITIVE OUTFALL.
- 11. ALL HANDICAP ACCESSIBLE RAMPS SHALL MEET ALL APPLICABLE LOCAL, STATE, AND FEDERAL ACCESSIBILITY GUIDELINES AND REGULATIONS. ANY MODIFICATIONS SHALL BE APPROVED BY THE ENGINEER OF RECORD. HANDICAP PARKING SIGNS SHALL BE PLACED A) BEHIND THE SIDEWALK OR B) ATTACHED TO BUILDING WALLS IN AREAS WHERE A SIDEWALK AND/OR BUILDING ABUTS THE STALL OR C) OUTSIDE THE TWO (2') FEET OVERHANG AREA WHERE WHEEL STOPS ARE NOT PROVIDED.

FIELD OBSERVATIONS AND TESTING

- ALL WORK IS OPEN AND SUBJECT TO INSPECTION BY ENGINEER AND THE CITY OF DELRAY BEACH.
- 2. NOTIFICATION THE CONTRACTOR SHALL NOTIFY THE ENGINEER, GOVERNMENT AND OTHER PERMITTING AGENCIES 48 HOURS PRIOR TO SCHEDULING FIELD OBSERVATIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY TO TEST THE COMPLETED WORK. CALL "SUNSHINE ONE CALL" AT 1-800-432-4770 PRIOR TO ANY EXCAVATION.
- 3. THE UNDERGROUND CONTRACTOR SHALL SUBMIT ALL RECORD DATA, SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CURB AND PAVEMENT CONSTRUCTION. ANY NECESSARY ADJUSTMENTS AT THIS TIME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. DRAINAGE PIPES AND STRUCTURES SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING. ALL DRAINAGE SYSTEMS SHALL BE PUMPED DOWN TO BELOW THE INVERT AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTION.
- 5. ALL TESTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND ARE TO BE PAID FOR BY THE CONTRACTOR.
- 6. THE BASE ROCK CHEMICAL AND SIEVE ANALYSIS AND THE ASPHALT MIX AND DESIGN CRITERIA SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- 7. PROCTOR AND DENSITY TESTS FOR SUBGRADE AND BASE MATERIAL SHALL BE TAKEN AS DIRECTED BY THE ENGINEER. PAVING DENSITY TESTS SHALL BE TAKEN A MINIMUM OF ONE PER 500 S.Y.
- 8. DENSITY TEST FOR PIPE TRENCHES SHALL BE TAKEN AT THE PIPE SPRING-LINE AND AT MAXIMUM ONE FOOT (1') LIFTS AS MEASURED FROM THE TOP OF PIPE. THE TESTS SHALL BE TAKEN AT A MAXIMUM SPACING OF EVERY 300 FEET MEASURED FROM THE STRUCTURE OR AT LEAST ONE TEST AT THE CENTER OF THE PIPE SEGMENT BETWEEN TWO STRUCTURES IF LESS THEN 300 FEET. TESTS SHALL BE TAKEN ON ALL SIDES WITHIN FIVE (5') OF EACH STRUCTURE. THE TEST LOCATION AT THE STRUCTURE SHALL BE ON ALTERNATING SIDES OF THE STRUCTURE WITH EACH LIFT TESTED. THE LOCATION AND DEPTH OF ALL TESTS SHALL BE CLEARLY INDICATED IN THE DESCRIPTION AREA ON THE TEST REPORT OR ILLUSTRATED IN
- 9. TESTING TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. TESTING REQUIREMENTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, BACKFILL DENSITY, PIPELINE INTEGRITY (HYDROSTATIC PRESSURE) AND ANY OTHERS REQUIRED BY THE ENGINEER, PBCWUD OR PERMITTING AGENCIES.

SITE ELECTRIC NOTES

1. ALL STREET LIGHTING LOCATED WITHIN PROPERTY WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.

ABBREVIATIONS

BACKFLOW PREVENTER BLDG BUILDING BOT **BOTTOM OF PIPE** BV **BUTTERFLY VALVE** CAP CORRUGATED ALUMINUM PIPE

CO CLEANOUT

CR **CURB RAMP** CS CONTROL STRUCTURE DBO **DESIGNED BY OTHERS**

DCDADOUBLE CHECK DETECTOR ASSEMBLY DUCTILE IRON PIPE

ELEVATION EXISTING EX

FIRE DEPARTMENT CONNECTION FDC FF FINISHED FLOOR

FΗ FIRE HYDRANT FL FLANGE FM FORCE MAIN GR **GRATE ELEVATION**

GV GATE VALVE HC HANDICAP ACCESSIBLE RAMP HIGH DENSITY POLYETHLENE PIPE

HP **HIGH POINT** INLET

INV INVERT

LME

MH MANHOLE NAD NORTH AMERICAN DATUM NGVDNATIONAL GEODETIC VERTICAL DATUM

PALM BEACH COUNTY PALM BEACH COUNTY HEALTH DEPARTMENT

LAKE MAINTENANCE EASEMENT

PBCWUD PALM BEACH COUNTY WATER UTILITIES DEPARTMENT

POLYVINLY CHLORIDE P/L PROPERTY LINE

RCP REINFORCED CONCRETE PIPE RED REDUCER

R/W RIGHT OF WAY

WATER MAIN

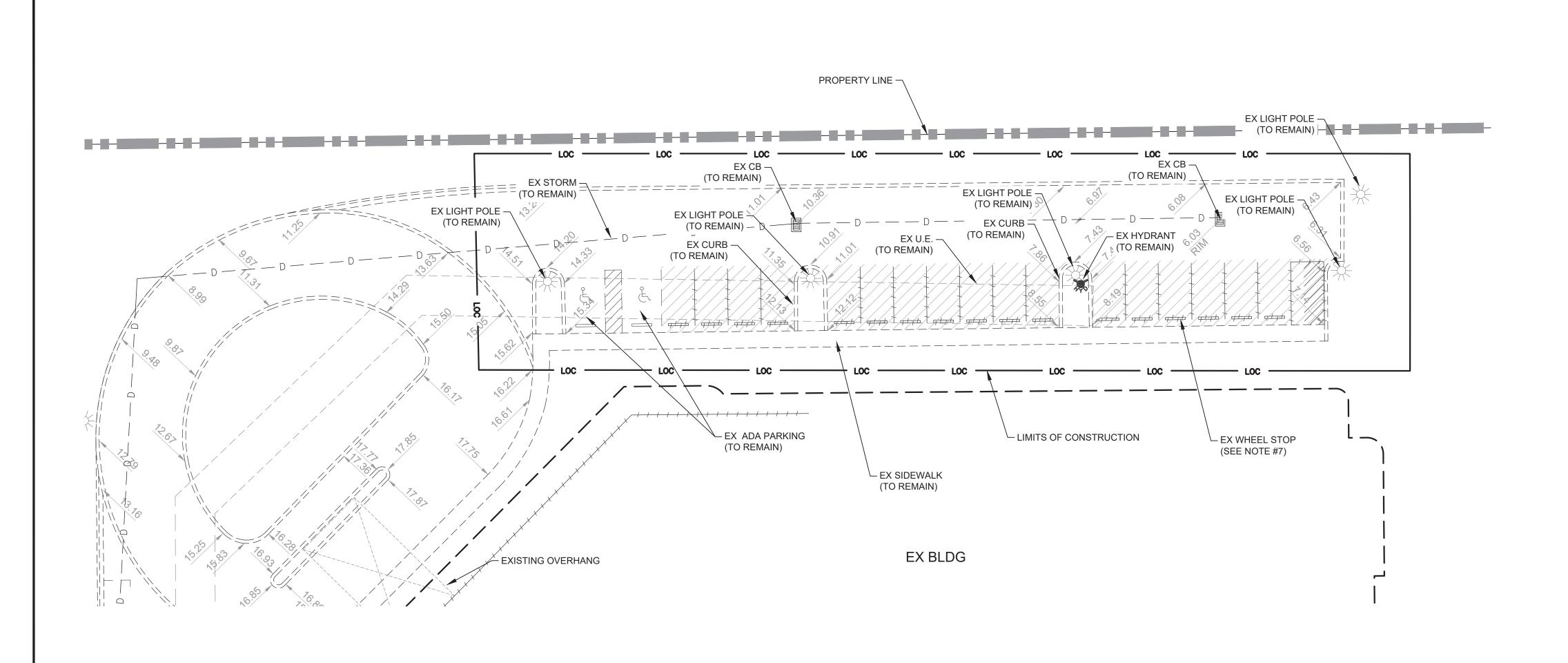
RPZ REDUCED PRESSURE ZONE

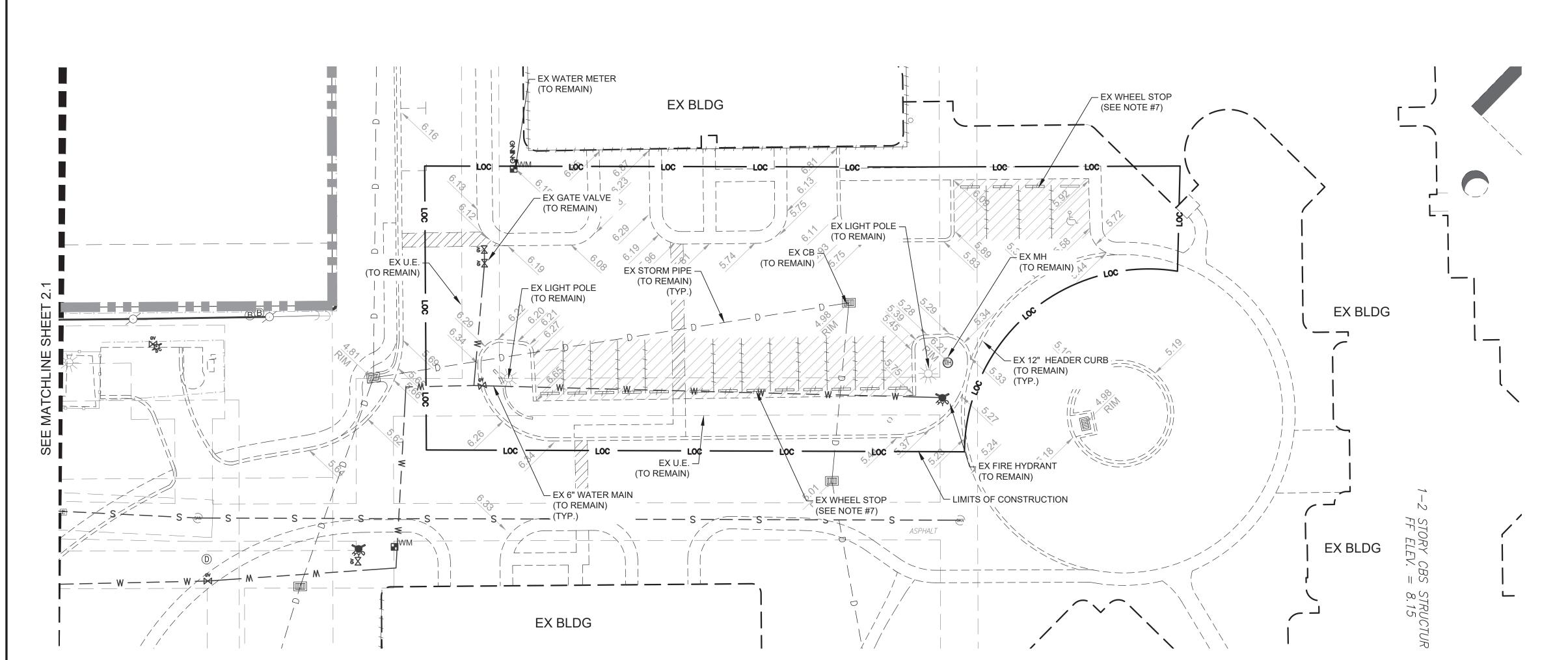
SW SIDEWALK SANITARY SEWER SP SAMPLE POINT STM STORM SEWER SW SIDEWALK TOP OF BANK TOB TOP TOP, TOP OF PIPE TYP **TYPICAL** UE UTILITY EASEMENT YD YARD DRAIN

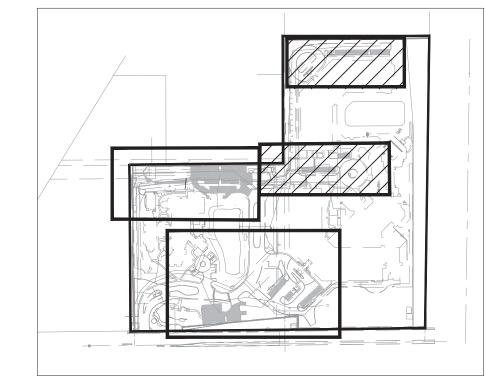
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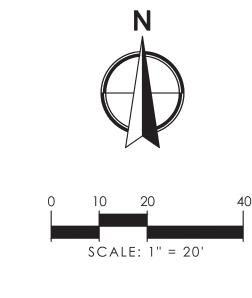
ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

EDG VEMI OUR'S HARBG RKING I









LEGEND

LIMITS OF CONSTRUCTION	ьос
EXISTING CATCH BASIN	
SANITARY MANHOLE	SAN
EXISTING FIRE HYDRANT	**
WATER METER / VALVE	■ ^{©V}
BELL SOUTH	B
EXISTING GROUND ELEVATION	97,3
LIGHT POLE	*
TO BE REMOVED	
LIMITS OF CLEARING REMOVE UNLESS OTHER WISE SPECIFIE ASPHALT, PAVEMENT, CURBING	

WHEEL STOPS, UNSUITABLE MATERIAL

LIMITS OF ASPHALT MILLING & RESURFACING



NOTE

- 1. ALL DEMOLITION ACTIVITY TO OCCUR STRICTLY WITHIN LIMITS OF CONSTRUCTION.
- 2. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.
- 3. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 4. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL OR RELOCATION INFORMATION.
- REFER TO ELECTRICAL PLAN FOR SITE ELECTRIC REMOVAL/RELOCATION INFORMATION.
- 6. ALL LIGHT POLES, FIRE HYDRANTS, AND STORM/SANITARY STRUCTURES ARE TO REMAIN UNLESS OTHERWISE SPECIFIED.
- 7. CONTRACTOR SHALL REMOVE, PROTECT, AND RE-USE EXISTING CONCRETE WHEEL STOPS WITHIN LIMITS OF ASPHALT MILLING AND RESURFACING. ALL DAMAGED WHEEL STOPS SHALL BE REPLACED.
- 8. CONTRACTOR SHALL REMOVE, PROTECT, AND RE-INSTALL ADA PARKING SIGN WITHIN LIMITS OF CONSTRUCTION AS NECESSARY.

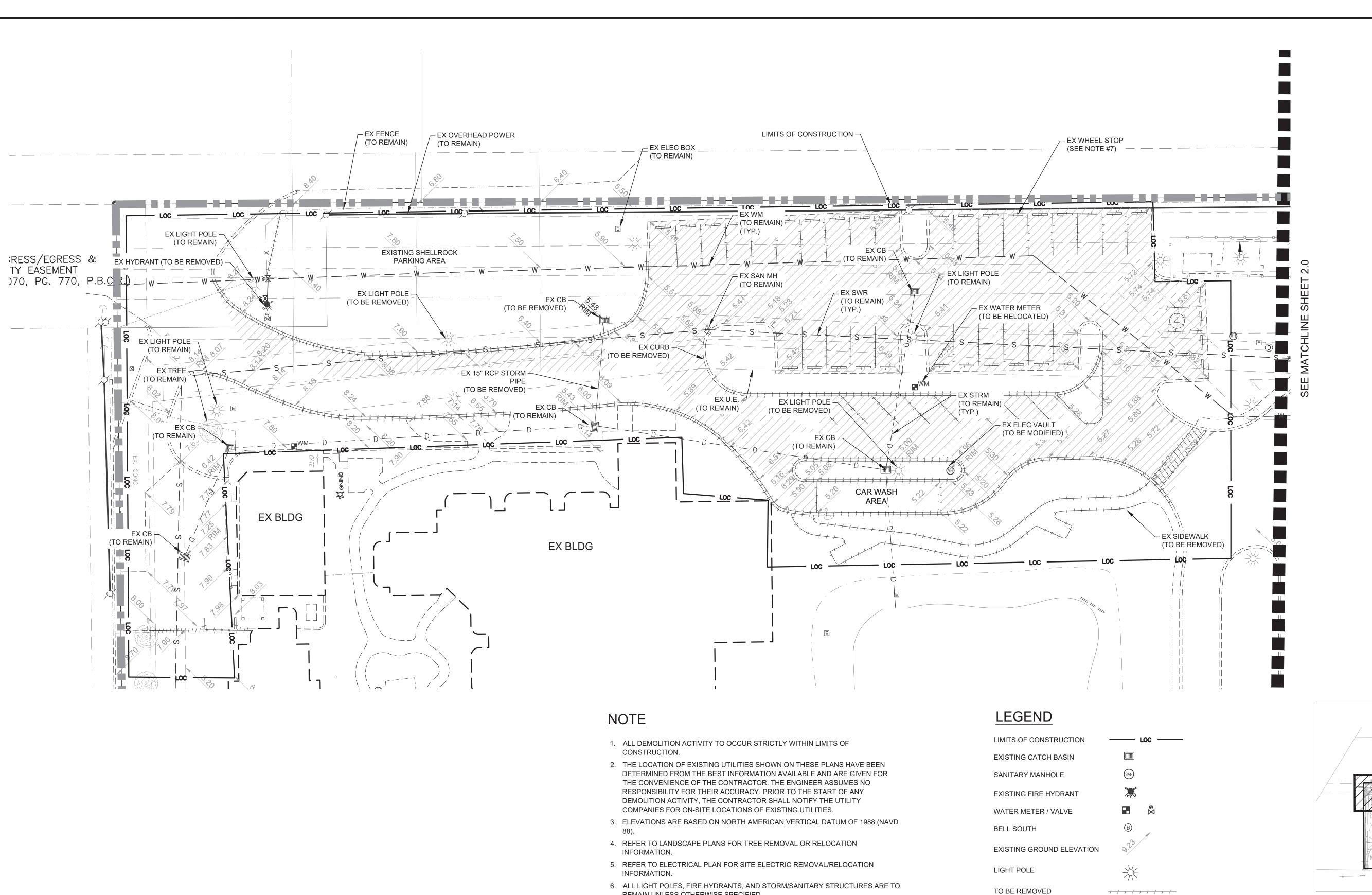


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ENGINEER OF RECORD
CHRISTOPHER J. HOLMES, PE
PE# 66344

RBOUR'S EDGE PARKING
IMPROVEMENTS
SITE DEMOLITION PLAN



REMAIN UNLESS OTHERWISE SPECIFIED.

DAMAGED WHEEL STOPS SHALL BE REPLACED.

WITHIN LIMITS OF CONSTRUCTION AS NECESSARY.

7. CONTRACTOR SHALL REMOVE, PROTECT, AND RE-USE EXISTING CONCRETE

WHEEL STOPS WITHIN LIMITS OF ASPHALT MILLING AND RESURFACING. ALL

8. CONTRACTOR SHALL REMOVE, PROTECT, AND RE-INSTALL ADA PARKING SIGN

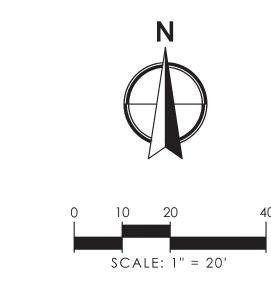
LIMITS OF CLEARING REMOVE

MATERIAL

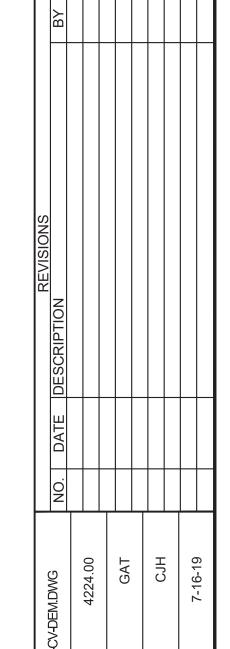
LIMITS OF ASPHALT MILLING & RESURFACING

UNLESS OTHER WISE SPECIFIED:

ASPHALT, PAVEMENT, CURBING, WHEEL STOPS, UNSUITABLE

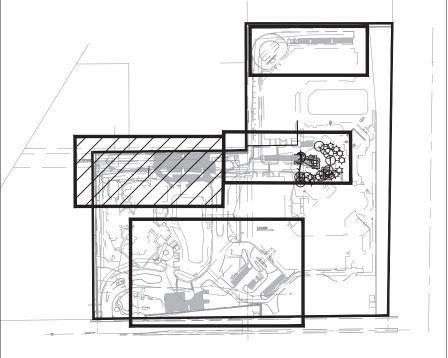




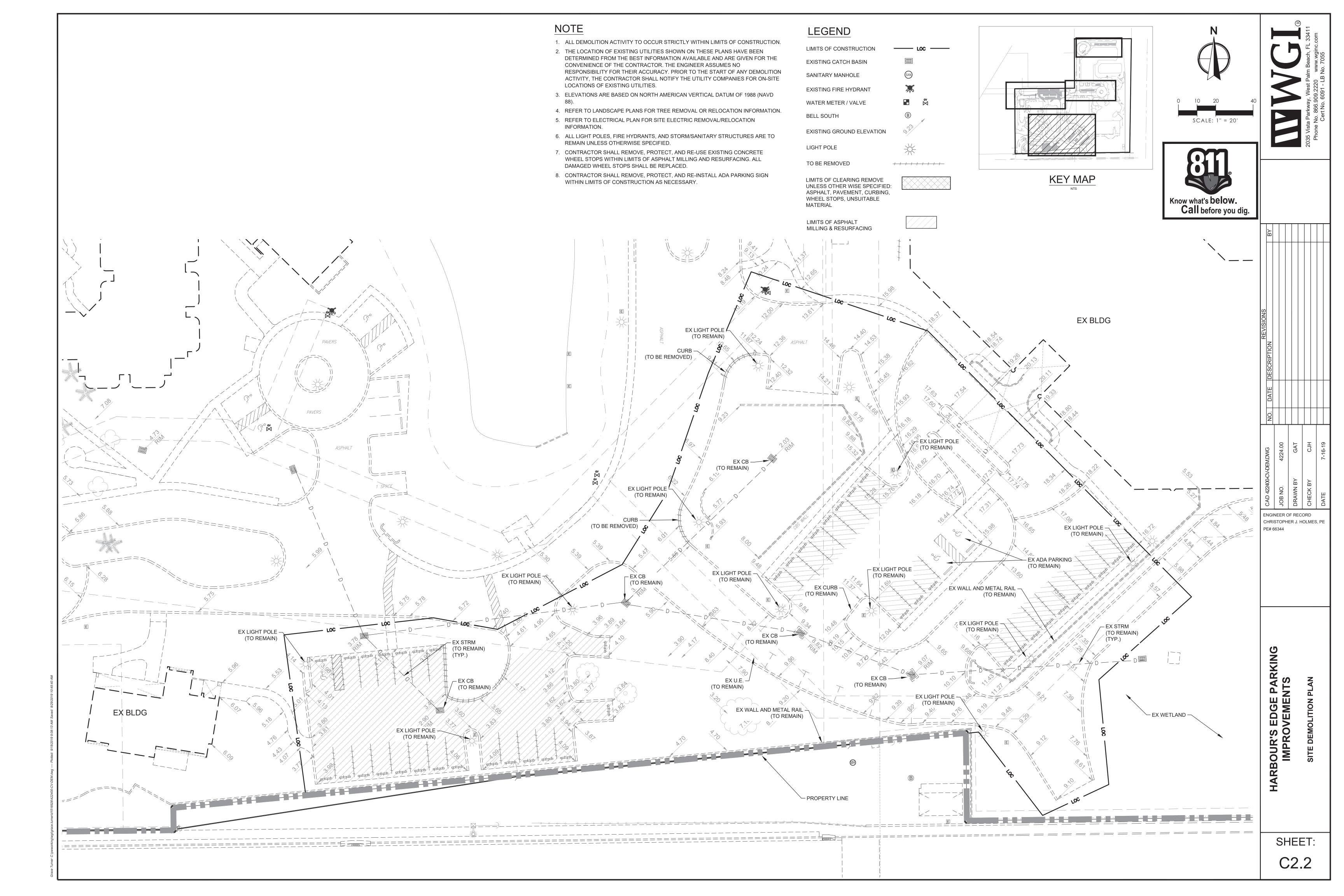


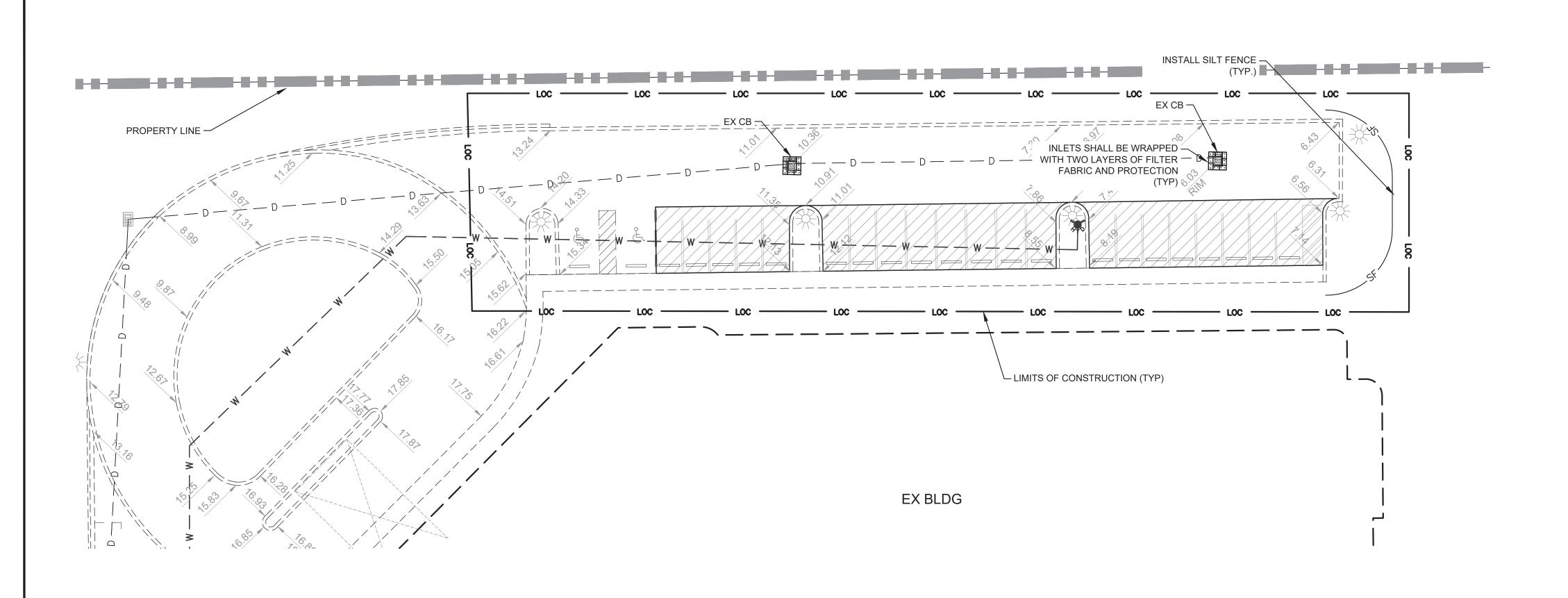
ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

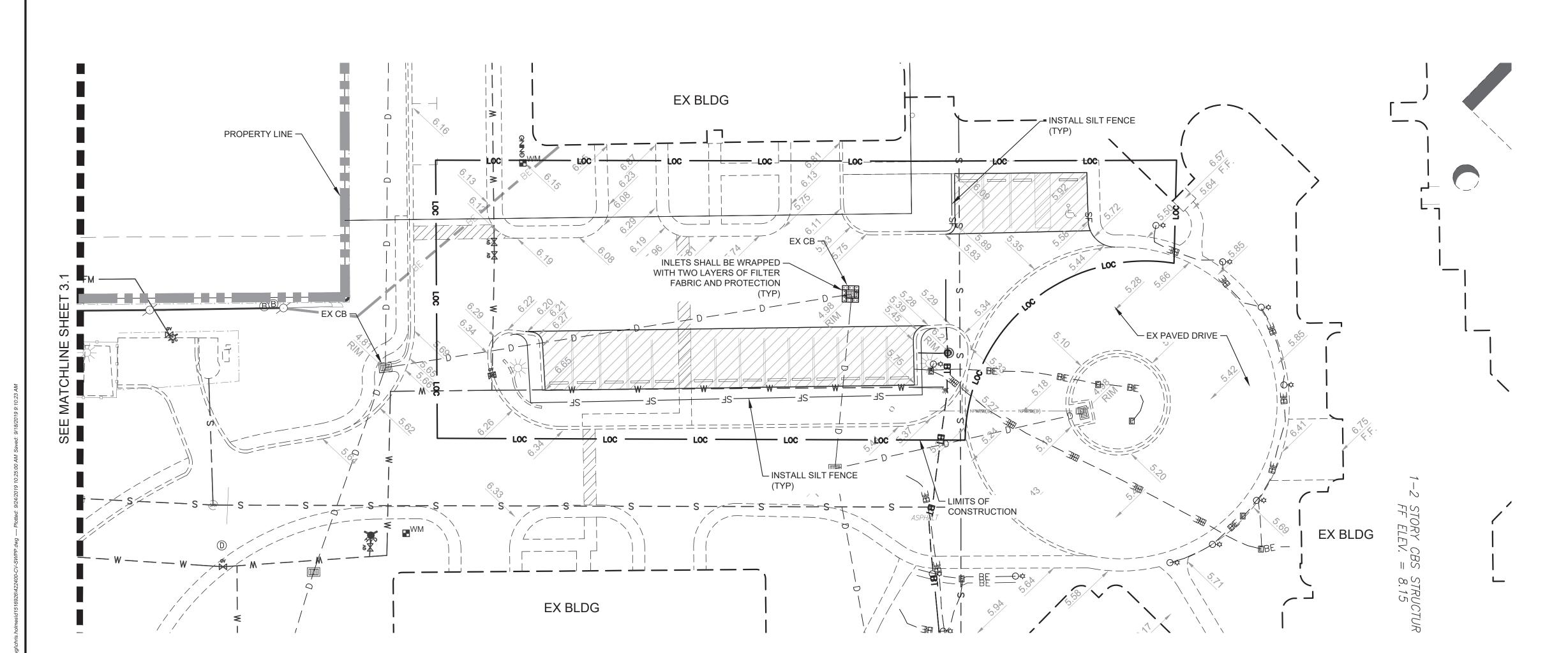
KEY MAP

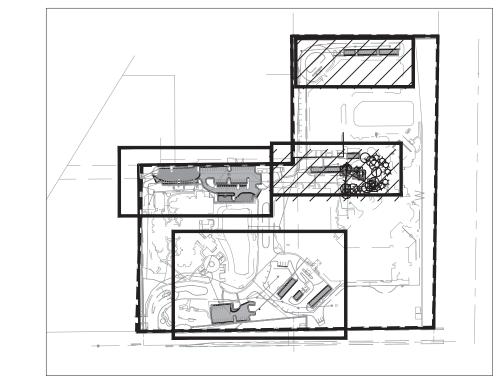


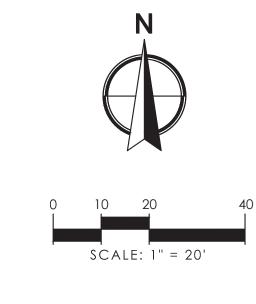












LEGEND

LIMITS OF CONSTRUCTION -	гос
CONCRETE PAVEMENT	
ASPHALT PAVEMENT	
LIMITS OF ASPHALT MILLING & RESURFACING	
PROPOSED WATER MAIN	—— w ——
PROPOSED DRAINAGE PIPE	D
EXISTING DRAINAGE PIPE	— — D —
DRAINAGE STRUCTURE	
EXISTING LIGHT POLE	*
	———SF———
INLET PROTECTION	
EXISTING DRAINAGE STRUCTURE	

NOTE

- SWPPP CONTROLS ARE SHOWN IN CONCEPTUAL LOCATIONS AND MAY BE SYMBOLIC IN SIZE DUE TO THE SCALE OF THE DRAWING, ACTUAL CONDITIONS AND LOCATION OF CONSTRUCTION ACCESS POINTS. CONTROLS SHALL BE INSTALLED ACCORDING TO THE DETAILS AND SPECIFICATIONS AND AS DIRECTED BY THE COUNTY OR ENGINEER.
- 2. PORTABLE TOILETS, FUEL STATIONS, AND OTHER SOURCES OF POTENTIAL POLLUTION SHALL HAVE BERMS CONSTRUCTED AROUND THEM TO PREVENT DIRECT SURFACE FLOW INTO STORM SEWERS AND LAKES.
- 3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATER COURSES. SILT FENCE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
- 4. REFER TO SHEET C5.0 AND C5.1 FOR SWPPP DETAILS.

2035 Vista Parkway, West Palm Beach, FL 33411
Phone No. 866.909.2220 www.wginc.com
Cert No. 6091 - LB No. 7055

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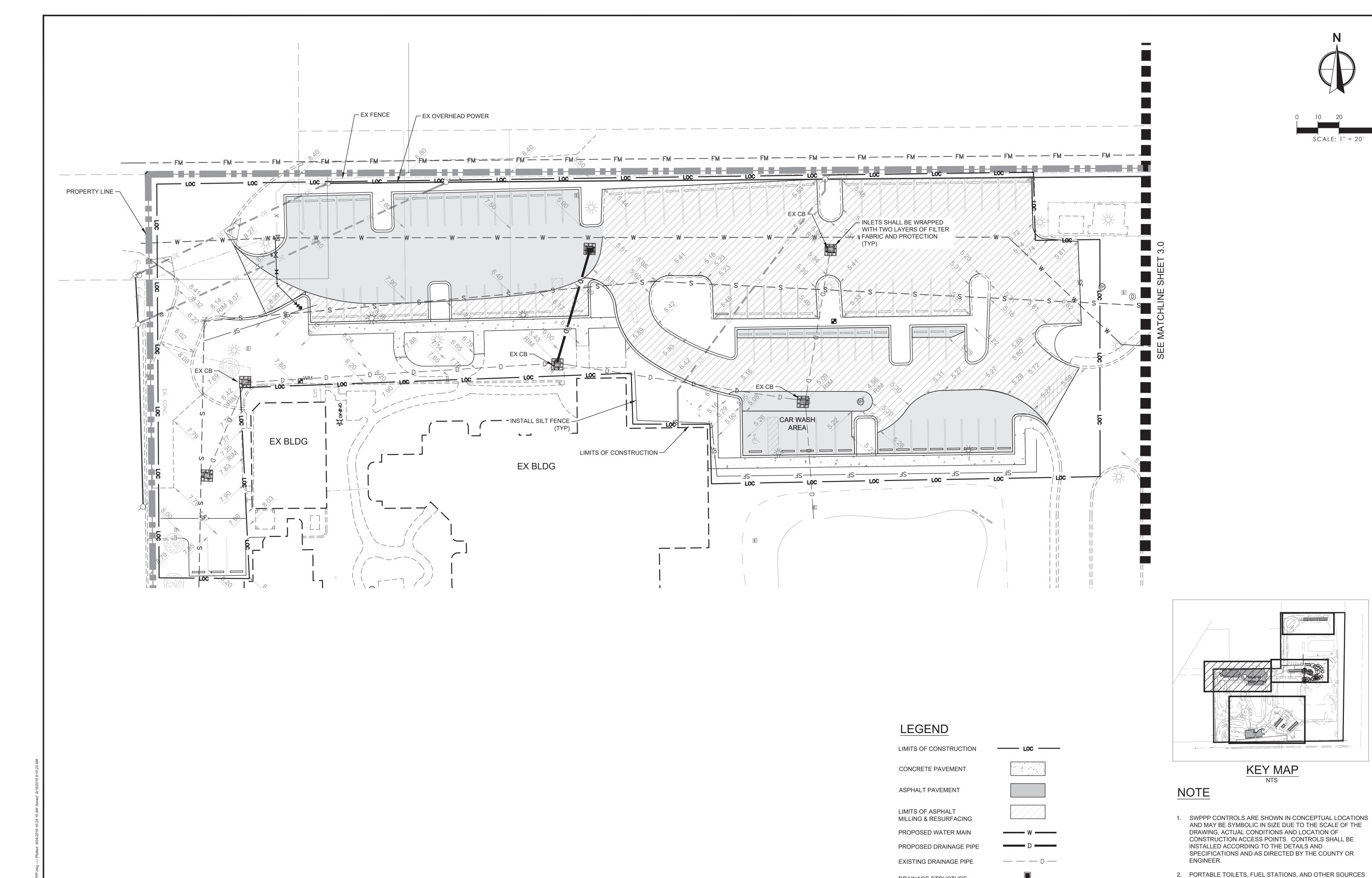
RISTOPHER J. HOLMES, P 66344

IMPROVEMENTS

RMWATER POLLUTION PREVENTION
PLAN

SHEET:

C3.0



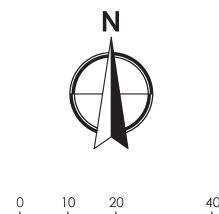
DRAINAGE STRUCTURE

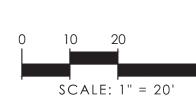
EXISTING LIGHT POLE

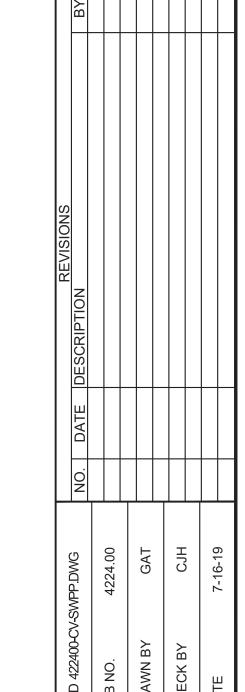
INLET PROTECTION

EXISTING DRAINAGE STRUCTURE

_____SF____







ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

OUR'S EDGE PARKING IMPROVEMENTS

OF POTENTIAL POLLUTION SHALL HAVE BERMS

3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT

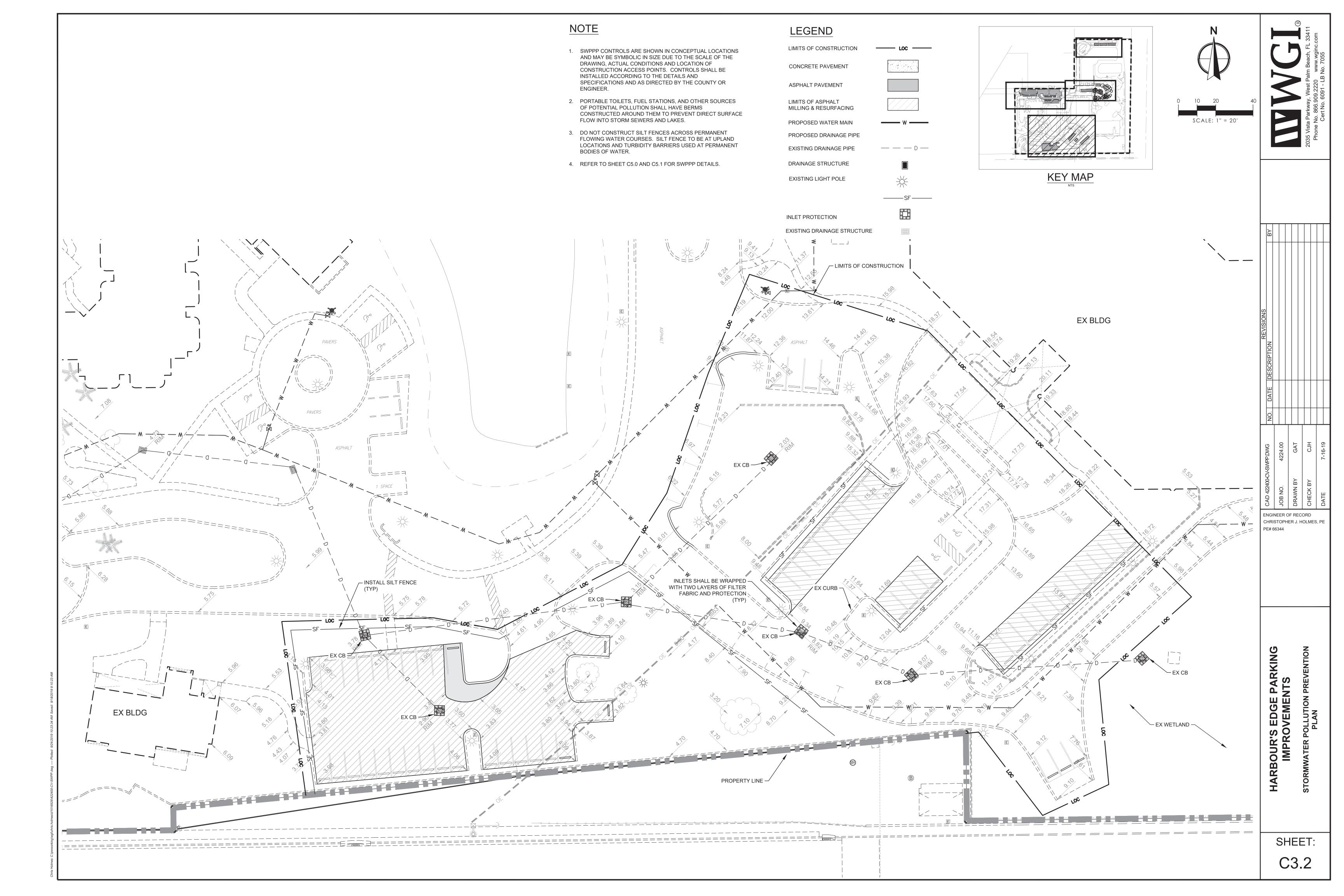
4. REFER TO SHEET C5.0 AND C5.1 FOR SWPPP DETAILS.

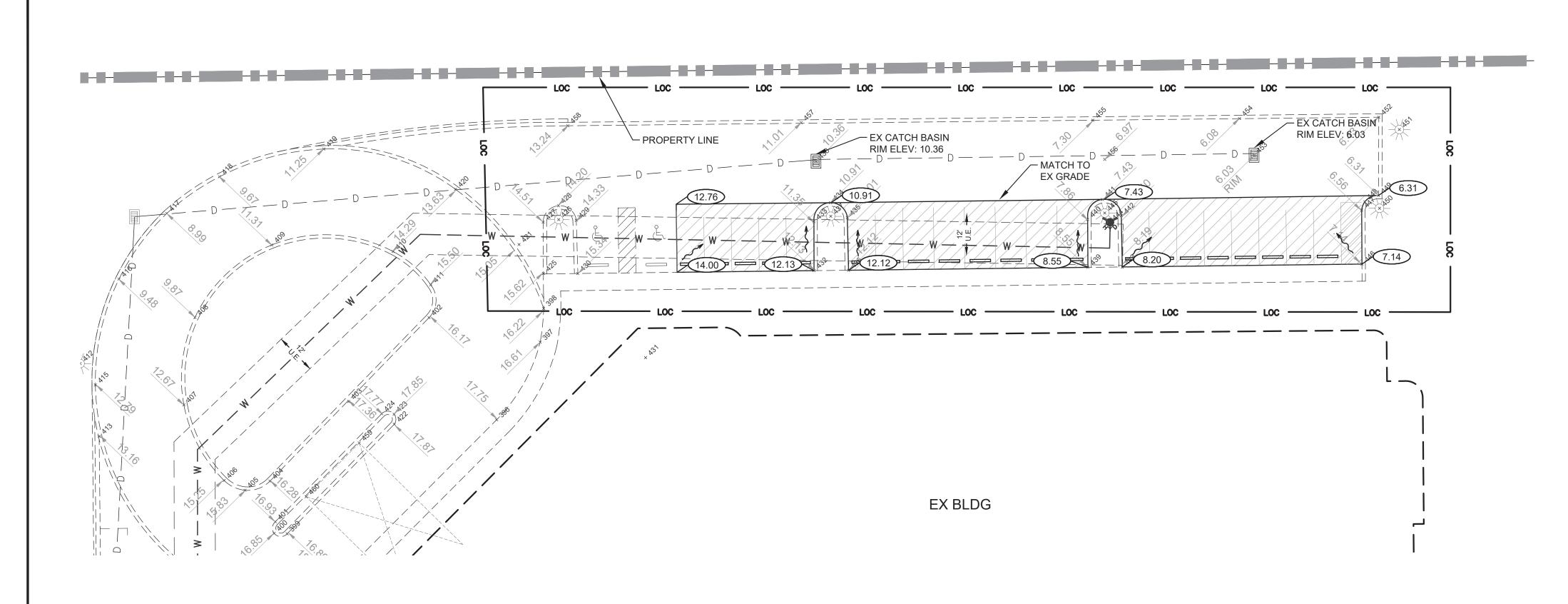
FLOW INTO STORM SEWERS AND LAKES.

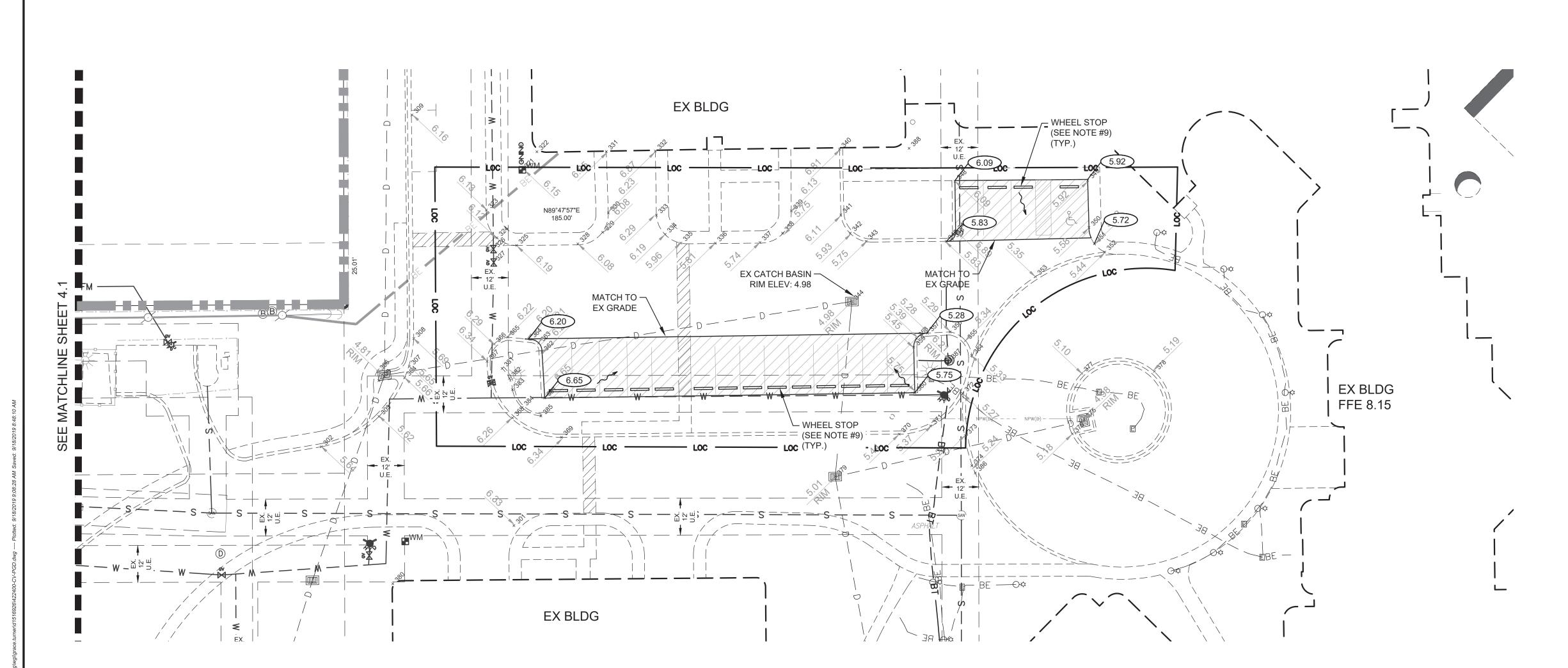
BODIES OF WATER.

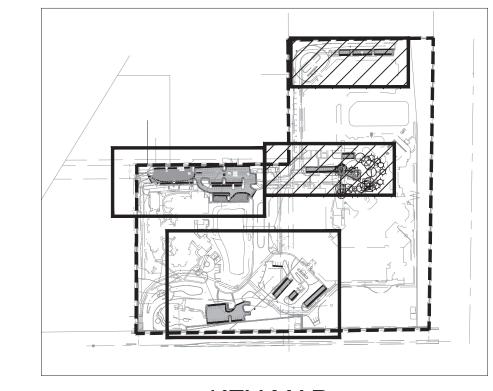
CONSTRUCTED AROUND THEM TO PREVENT DIRECT SURFACE

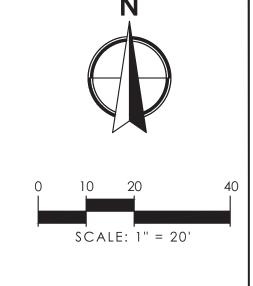
FLOWING WATER COURSES. SILT FENCE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT



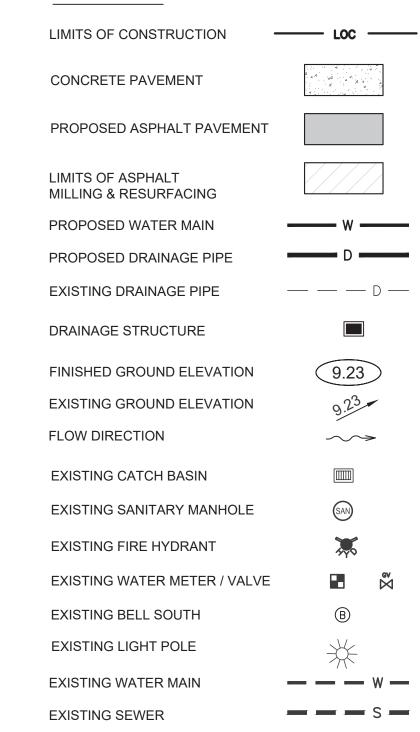








LEGEND



NOTE

- 1. ALL ELEVATIONS ARE BASED ON NORTH ATLANTIC VERTICAL DATUM OF 1988 (NAVD 88).
- 2. RIM ELEVATIONS ARE BASED ON PROPOSED FINISH GRADES. ADJUSTMENTS MAY BE NECESSARY DUE TO FIELD CONDITIONS. ADJUSTMENTS ARE TO BE MADE BY THE CONTRACTOR WHEN THE BASE COURSE IS IN PLACE OR THE GRADING IS COMPLETE. COST OF ADJUSTING RIMS IS TO BE INCLUDED IN THE BASE BID.
- 3. 5% MAX. LONGITUDINAL SLOPE AND 2% MAX. CROSS SLOPE ON ALL SIDEWALKS.
- 4. CONCRETE SIDEWALK SHALL SLOPE AWAY FROM BUILDING.
- 5. REFER TO STRUCTURAL PLANS FOR CONCRETE PAD DETAILS.
- 6. REFER TO PLUMBING PLANS FOR WATER AND SEWER CONNECTION INFORMATION.
- 7. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR SHOP DRAWING APPROVAL.
- 8. CONTRACTOR SHALL REFERS TO CITY OF DELRAY BEACH DETAIL PW 2.1 (SEE SHEET C5.1) FOR VERTICAL AND HORIZONTAL PIPE SEPARATION.
- 9. CONTRACTOR SHALL REMOVE, PROTECT, AND RE-USE EXISTING CONCRETE WHEEL STOPS WITHIN LIMITS OF ASPHALT MILLING AND RESURFACING. ALL DAMAGED WHEEL STOPS SHALL BE REPLACED.
- 10. ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CIT OF DELRAY BEACH STANDARD DETAILS; LD-1.1 & LD1.2 REFER TO LANDSCAPE PLANS FOR DETAILS.

ABBREVIATIONS

W.E. WATER EASEMENT

U.E. UTILITY EASEMENT

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22400-CV-PGD.DWG O. 4224.00 N BY GAT K BY CJH	ON	DATE	NO. DATE DESCRIPTION
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81-01-7			

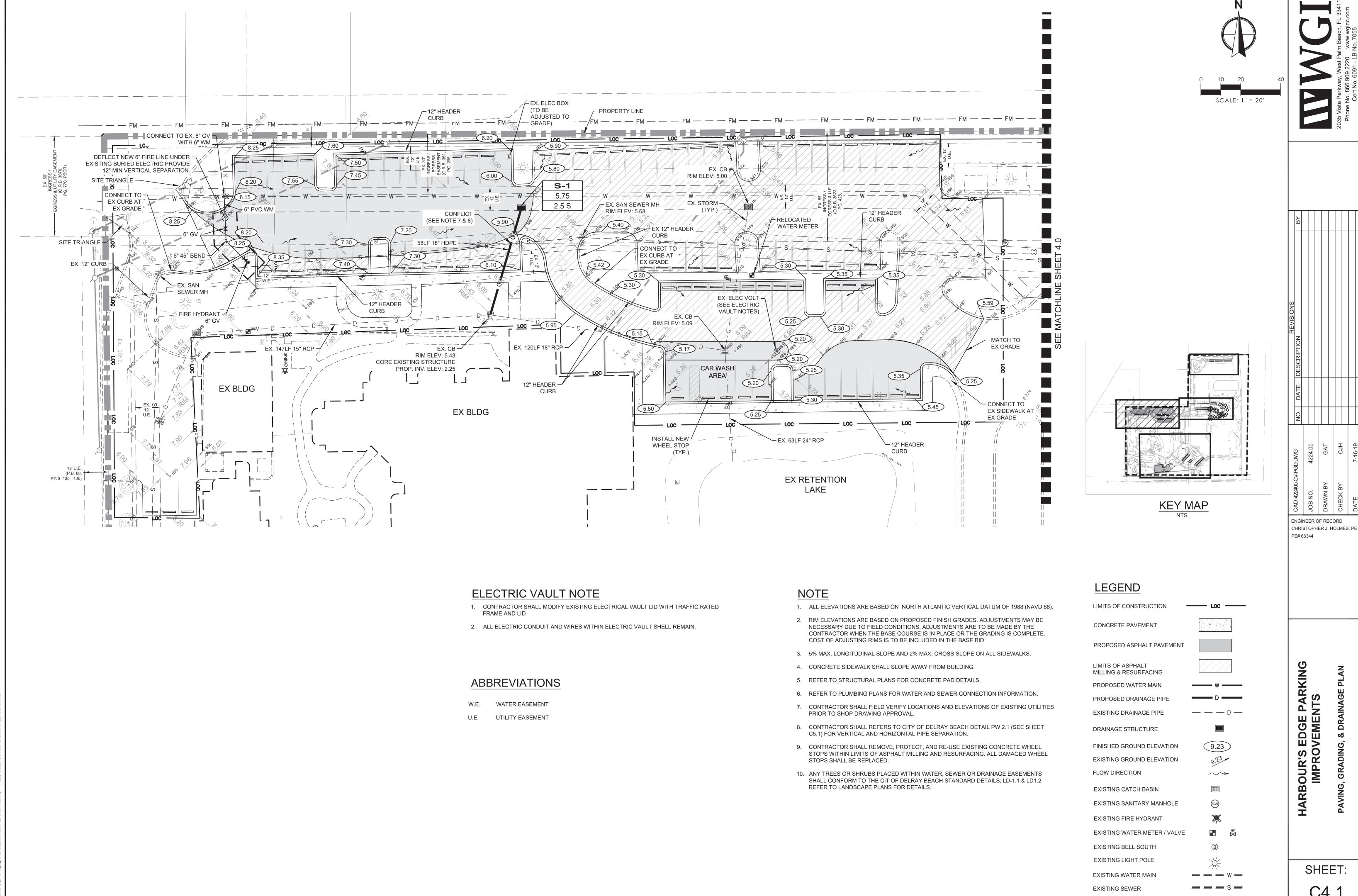
ENGINEER OF RECORD

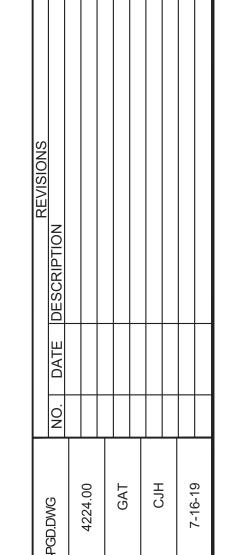
CHRISTOPHER J. HOLMES, PE

IMPROVEMENTS

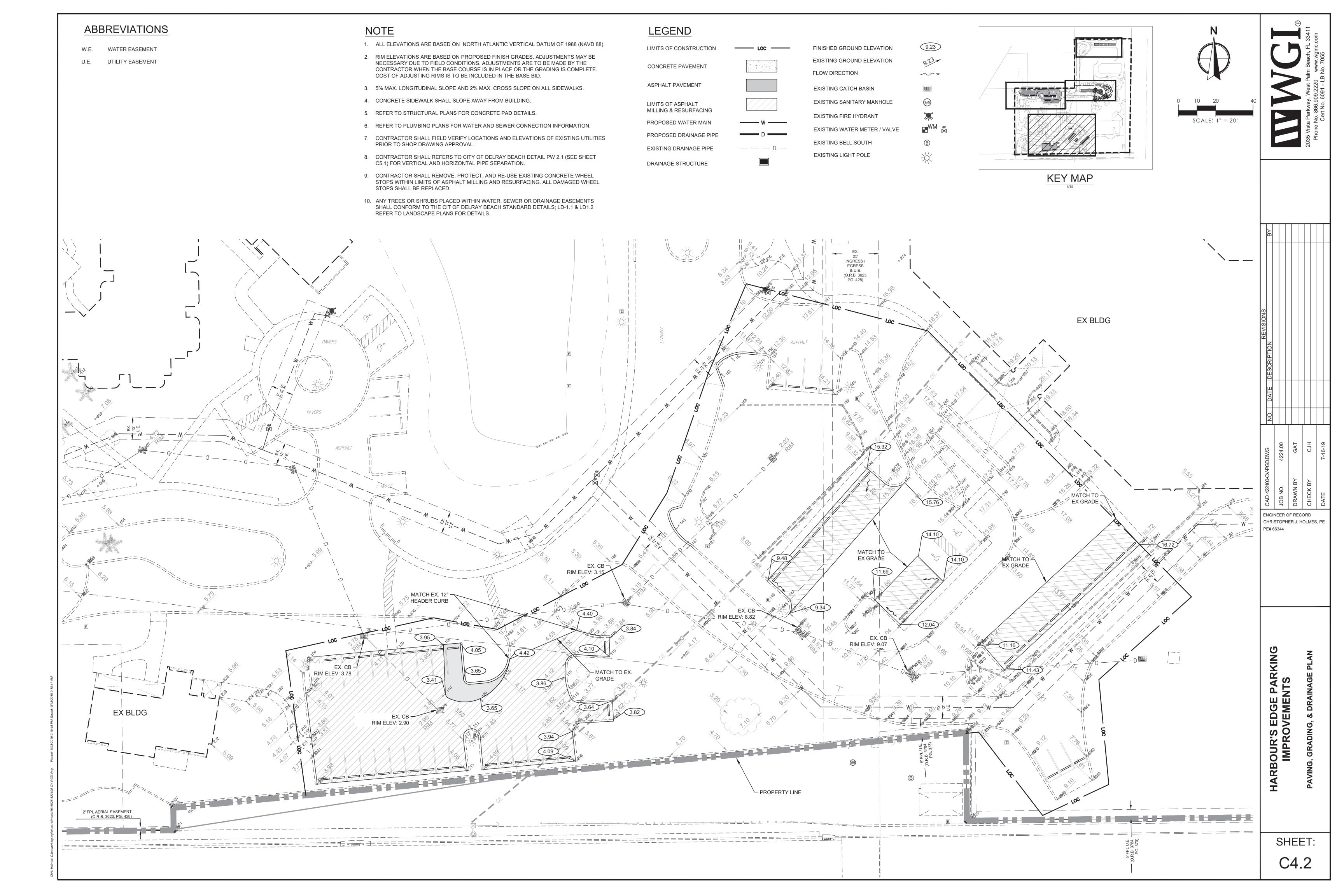
SHEET:

C4.0



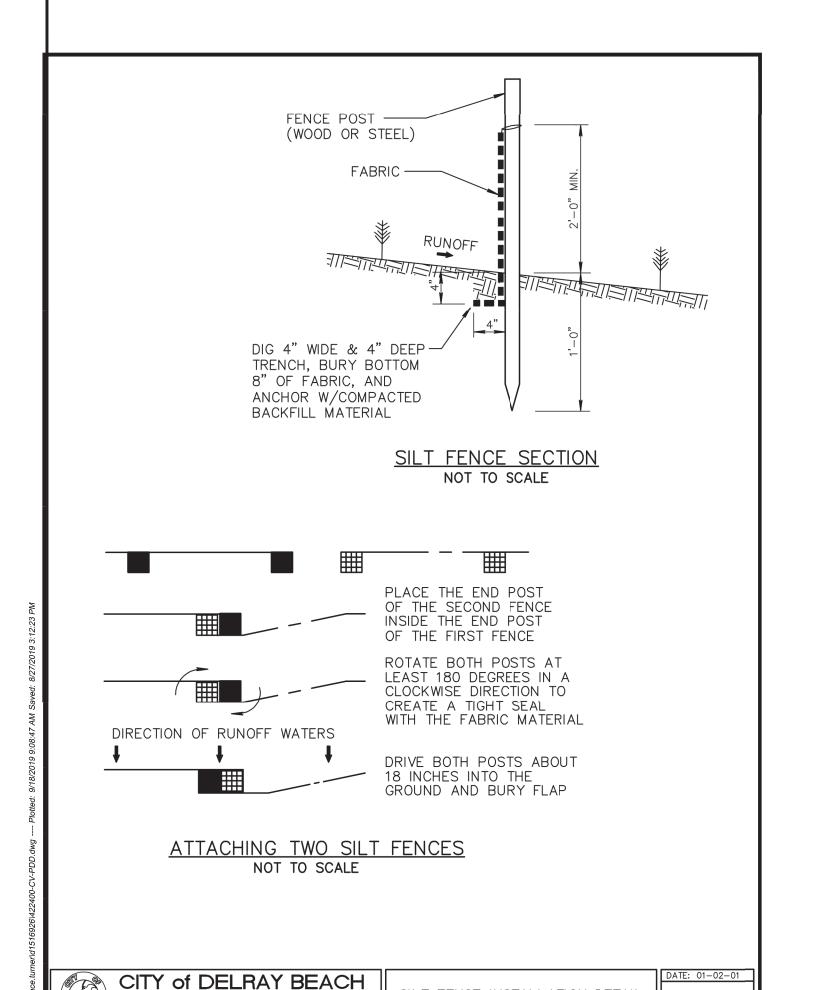


C4.1



- 1. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGE ROCKS SHALL BE REMOVED; BEDDING MATERIAL AND BACKFILL CONSISTING OF WASHED AND GRADED LIMEROCK 3/8"
- 2. THE PIPE AND/OR STRUCTURE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE
- 3. THE PIPE AND/OR STRUCTURE SHALL BE PLACED IN A DRY TRENCH.
- 4. BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGE ROCK, MUCK, AND DEBRIS.
- 5. COMPACT BACKFILL TO 98% DENSITY UNDER PAVEMENT AND TO 95% DENSITY ELSEWHERE.(AASHTO T-180)
- 6. COMPACTION AND DENSITY TESTS SHALL BE COMPLETED DURING BACKFILL OPERATIONS, CONTRACTORS NOT FOLLOWING THIS PROCEDURE, FOR WHATEVER REASONS, SHALL BE REQUIRED TO RE-EXCAVATE THE AREA IN QUESTION, DOWN TO THE BEDDING MATERIAL, THEN BACKFILL FOLLOWING THE ABOVE PROCEDURES.

CITY of DELRAY BEACH TYPICAL BACKFILL DETAIL GU 2.1 ENVIRONMENTAL SERVICES DEPARTMENT



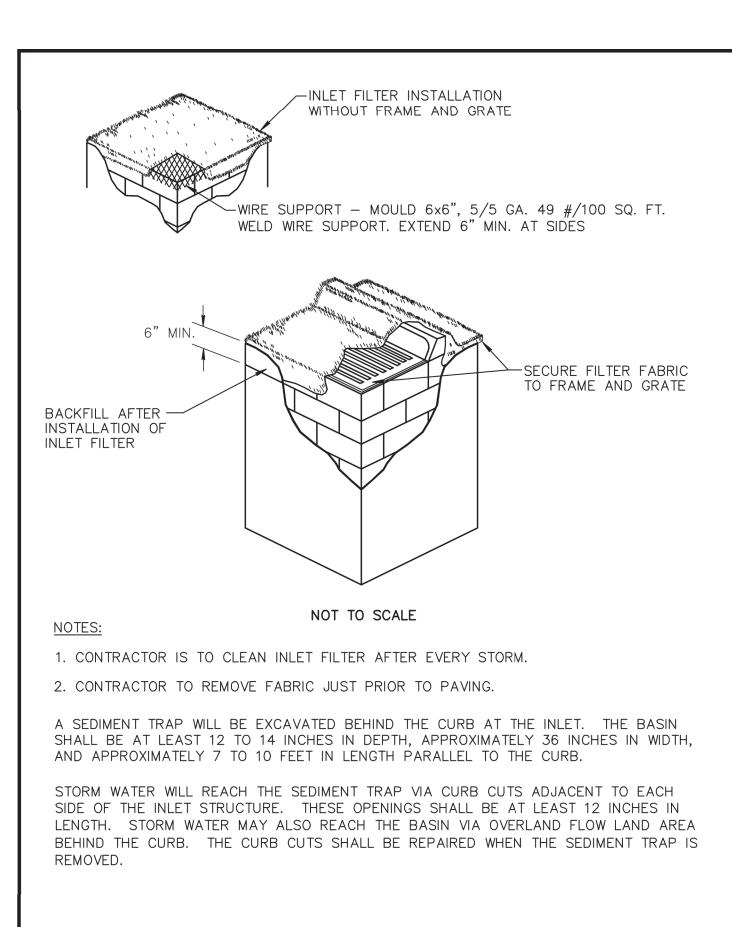
ENVIRONMENTAL SERVICES DEPARTMENT

434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

SILT FENCE INSTALLATION DETAIL

(Sheet 2 of 2)

D 9.1b



HANDICAP SIGN FTP-21-06-

-SIDEWALK-

'BLUE

STRIPE -

· HANDICAP

12'-0"

SYMBOL

AWD FTP-22-06

STANDARD

SPACE

PARKING STALL DIMENSIONS:

ALL MEASUREMENTS ARE FROM CENTER LINE.

STANDARD

8'x 16'

1. ON LIGHT COLORED SURFACE I.E. CONCRETE ALL HANDICAP MARKINGS SHALL

4. ALL COMPACT SPACES MUST HAVE "COMPACT" STENCILED WITH BLACK PAINT

TYPICAL PARKING SPACES

(1 OF 3)

6. 24" STOP BAR BETWEEN ALL PARKING LOTS AND PUBLIC R/W SHALL BE THERMOPLASTIC AND PER FDOT SPECIFICATIONS AND STOP SIGN R1-1

BE BLUE AND STANDARD PARKING STRIPING SHALL BE 3" WHITE WITH

2. ALL STRIPPING WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 6 INCHES.

5. BLUE STRIPE & H/C SYMBOL AND WALKWAY ON CONCRETE

HANDICAP 12'x 18' PLUS 5' RAMP AREA

COMPACT

COMPACT

1" BLACK BORDER.

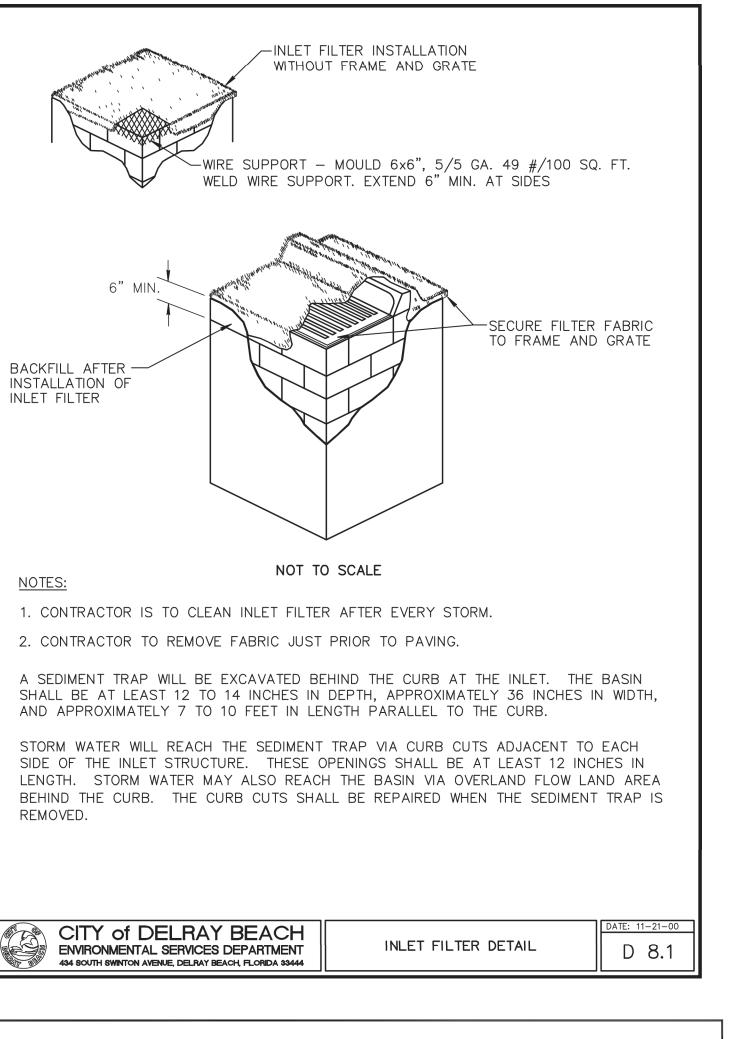
ON WHEEL STOP.

CITY of DELRAY BEACH

434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 3344

ENVIRONMENTAL SERVICES DEPARTMENT

SPACE



CURB CUT RAMP
PER F.D.O.T. INDEX
NO. 304

WHEEL STOP

-HANDICAP STALL RAMP

IN WHITE

(3) 6" MIN.

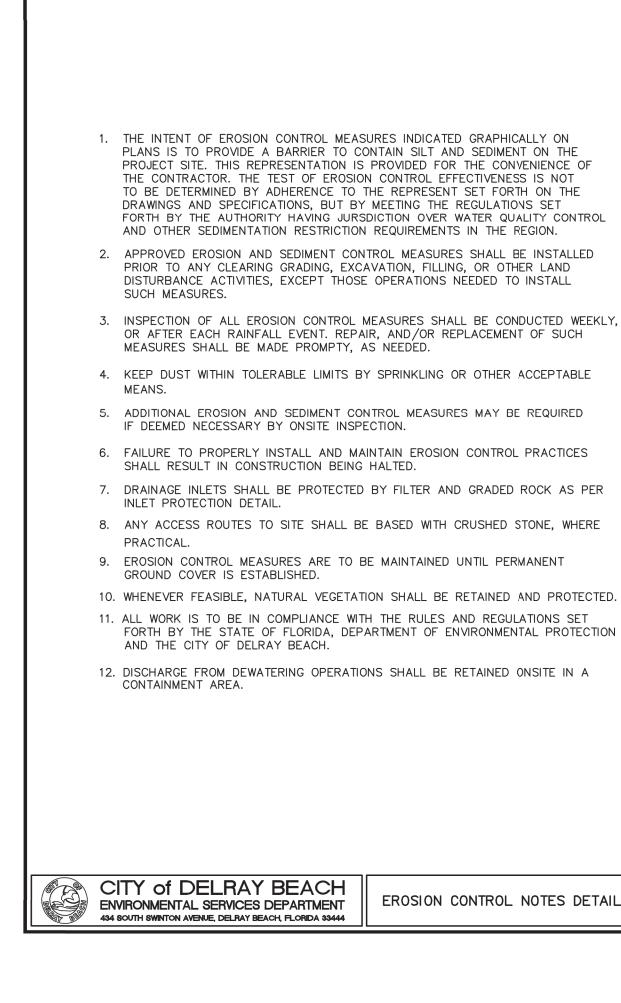
CHEVRONS

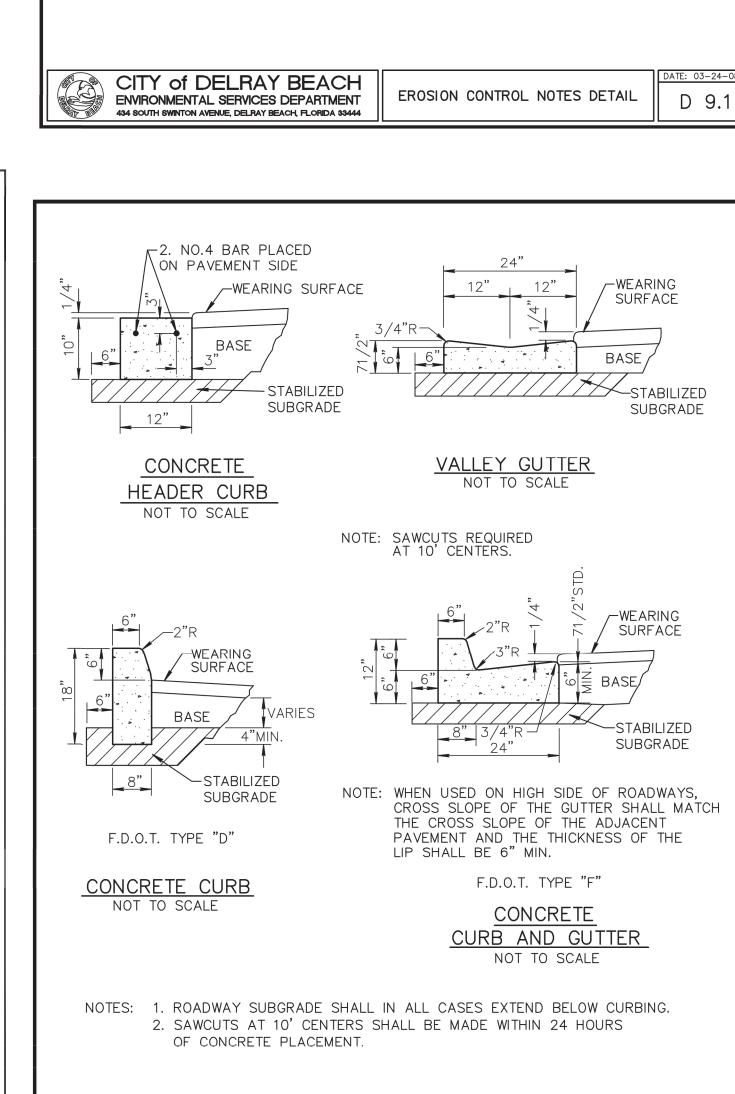
RT 4.2a

EQUALLY

RAMP

AREA





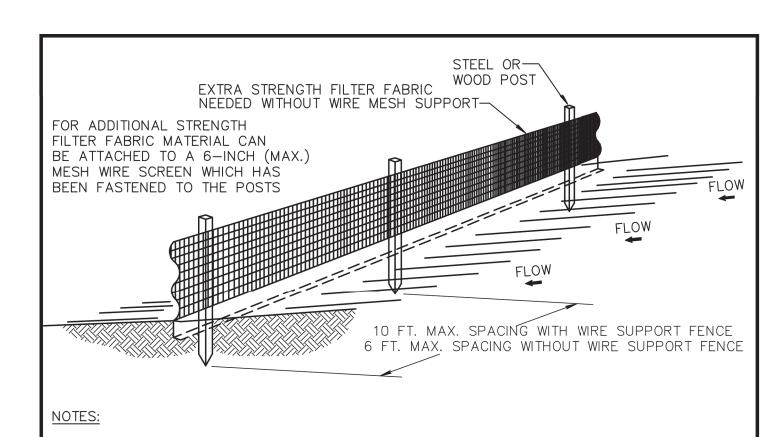
CURB AND GUTTER SECTIONS

RT 6.1

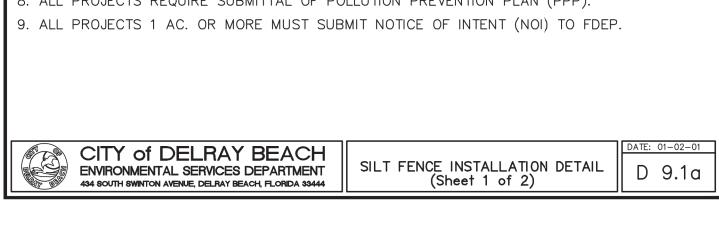
CITY of DELRAY BEACH

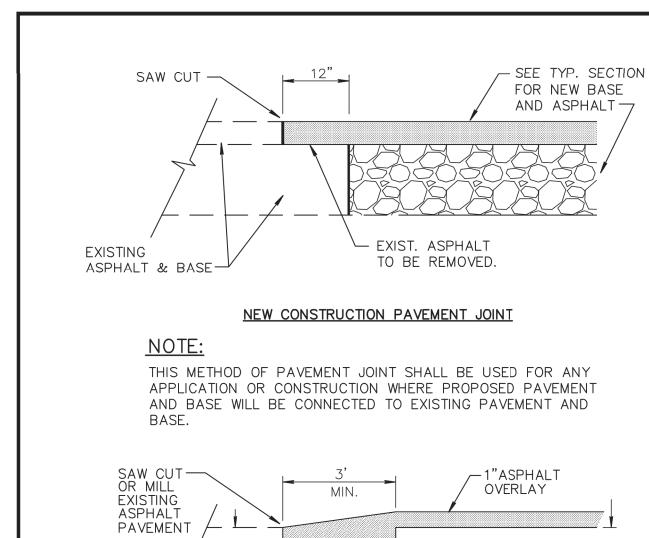
ENVIRONMENTAL SERVICES DEPARTMENT

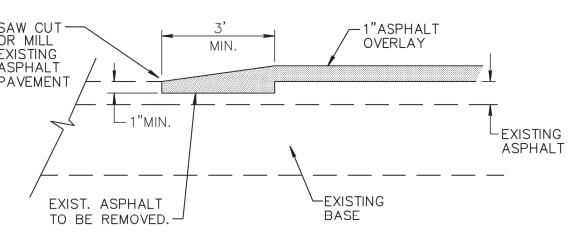
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444



- . THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
- . THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
- 5. 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.
- . WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
- 3. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGIONAL GROUND SURFACE.
- . THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- 8. ALL PROJECTS REQUIRE SUBMITTAL OF POLLUTION PREVENTION PLAN (PPP).







NEW OVERLAY PAVEMENT JOINT

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT WILL BE CONNECTED TO EXISTING PAVEMENT.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT PAVEMENT JOINT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

IJ Z Ш > OUR'S IMPRO HARB RT 7.1

ENGINEER OF RECORD

PE# 66344

CHRISTOPHER J. HOLMES, PE

All Pavement markings to be installed per these typicals, plans and specifications, and as directed by the City Engineer and shall conform to the requirements of F.D.O.T. and the manual on uniform traffic control devices, (MUTCD).

PERMANENT MARKINGS

Installation:

All markings shall be installed by the extruded

- method. Markings shall be free of weaves, bows, drips, drags, and other degrading items. Chalk shall be used for all layout markings
- Materials: All materials shall be alkyd or hydrocarbon
- thermoplastic meeting all FDOT specifications.

Thickness:

All markings shall be installed to yield 90 mils of material measured above the pavement surface.

Spheres:

Layout:

Reflective glass sheres are to be applied to all stripes and markings per FDOT specifications.

Alternate Material:

STAYMARK marking tape, or equivalent may be used,

as approved or directed by the City Engineer.

Layout shall be made using marking chalk. It is recommended that marking layout be inspected by the City Engineer prior to the placement of final markings.

TEMPORARY MARKINGS

Temporary markings may be used only as specified in this section, or as approved or directed by the City Engineer.

Final Pavement Surface:

Only foil backed marking tape is allowed. All tape shall be totally removed concurrent with permanent marking placement.

Other Pavement Surfaces:

Intermediate pavement surfaces may be marked with FDOT approved materials, designs, and specifications.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

|| PAVEMENT MARKING SPECIFICATIONS | DATE: 12-30-20 (SHEET 1 OF 2) RT 8.1a

ALL PAVEMENT MARKINGS

All paved surfaces shall be properly marked prior to the hours of darkness.

RAISED PAVEMENT MARKERS

- R.P.M.s shall be installed on all lane lines and centerlines, spaced at 20' or 40'.
- R.P.M.s shall be a 4 x 4 type class "B" marker meeting F.D.O.T. specifications and shall be approved by the City Engineer prior to use.
- R.P.M.'s shall be installed using alkyd thermoplastic on asphalt and epoxy on concrete.

OTHER NOTES

 All Materials within right—of—way shall be thermoplastic and per F.D.O.T. specifications.

CITY of DELRAY BEACH | PAVEMENT MARKING SPECIFICATIONS |

GRATE

TYPE

U.S. FOUNDRY

No. 6212

U.S. FOUNDRY

No. 6290

OR EQUAL-

1. ALL GRATES SHALL BE SUITABLE

(HIGHWAY TRAFFIC LOADS)

2. WHEN INSTALLED IN PAVEMENT

OR WITHIN 6' OF PAVEMENT

USE U.S.F. 4160-6210

FOR H-20 LOADING

U.S. FOUNDRY GRATE #6290

ENVIRONMENTAL SERVICES DEPARTMENT

434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

DIMENSIONS

2'-0"

3'-0"

U.S. FOUNDRY GRATE #6212

3'-1"

4'-5"

TYPE "C"

TYPE

OR EQUAL—

(SHEET 2 OF 2)

MAX. PIPE SIZE

WALL B

R.C.P.

R.C.P.

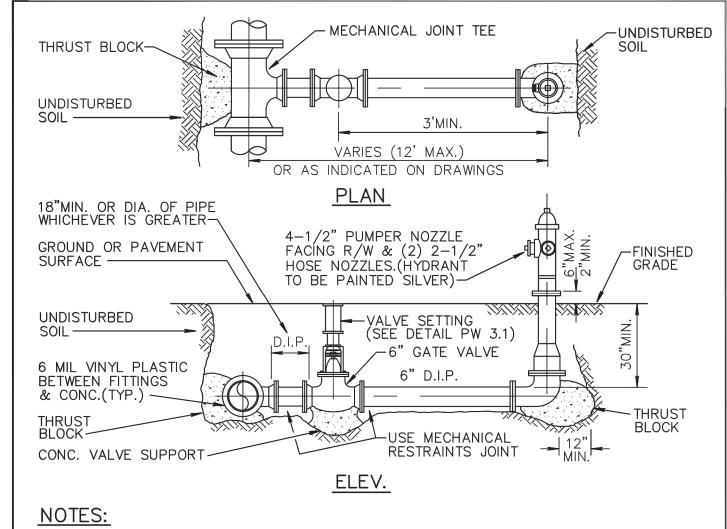
WALL A

R.C.P.

R.C.P.

TYPE "E"

 Pavement marking within private parking lots may be painted according to F.D.O.T. specifications, except for all stop bars adjacent to public rifgt—of—way.



- HYDRANT SHALL BE INSTALLED PLUMB AND TRUE IN UNOBSTRUCTED LOCATION. (7.5' CLEARANCE ON THREE SIDES, 4' CLEARANCE AT REAR, WITH 3' ACCESS LANE)
- 2. NO BARREL EXTENSION SHALL BE PERMITTED WITHOUT PRIOR CONSENT OF CITY ENGINEER.
- 3. VALVE SHALL BE PLACED ADJACENT TO MAIN, TIED TO TEE.
- 4. ANCHOR TEES AND FITTINGS ARE PERMITTED.
- 5. HYDRANT SHALL BE MUELLER CENTURION, AMERICAN B-84B, CLOW MEDALLION OR
- KENNEDY K81A WITH TRAFFIC BREAKAWAY FLANGE AND 5-1/4" VALVE. 6. HYDRANTS SHALL NOT ENCROACH IN SIDEWALKS, ROADWAYS, OR BIKE PATHS.
- 7. ON RUNS LONGER THAN 20 FEET A SECOND VALVE IS REQUIRED AT THE HYDRANT.
- 8. ALL HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF DELRAY
- BEACH FIRE PREVENTION CODE SEC. 96.05.
- 9. IN CERTAIN SITUATIONS, PROTECTIVE BOLLARDS MAY BE REQUIRED AS DIRECTED BY THE ENGINEERING DEPT. (SEE BOLLARD DETAIL PW 5.2)
- 10. FIRE HYDRANTS INSTALLED BUT NOT YET IN SERVICE SHALL BE COVERED
- WITH A BURLAP, OR PLASTIC SACK, OR HAVE OUT OF SERVICE RING IN PLACE.
- 11. ALL HYDRANT LEADS GREATER THAN 20-FEET MUST HAVE AUTOMATIC FLUSHER

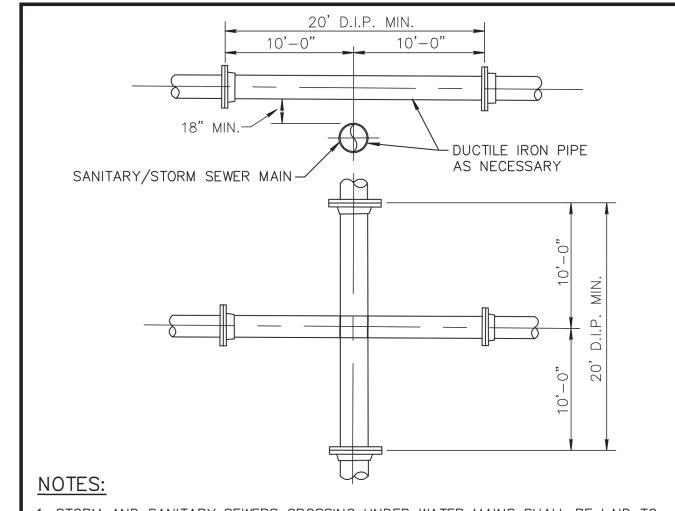
INSTALLED AT HYDRANT END (HYDROGUARD HG-1 STANDARD).

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT

434 SOUTH SWINTON AVENUE DELRAY REACH ELORIDA 33444

TYPICAL FIRE HYDRANT INSTALLATION

DATE: 06-27-2014 PW 5.1



STORM AND SANITARY SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN JOINTS ARE EQUIDISTANT FROM POINT OF CROSSING WITH NO LESS THAN (10) FEET BETWEEN ANY TWO JOINTS AND BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE 6 INCHES. WHERE THERE IS NO ALTERNATIVE TO SEWER PIPES CROSSING OVER A WATER MAIN, THE CRITERIA FOR MINIMUM 18" VERTICAL SEPARATION BETWEEN LINES AND JOINT ARRANGEMENT, AS STARTED ABOVE, SHALL BE REQUIRED AND BOTH PIPES SHALL BE CLASS 52 D.I.P. IRRESPECTIVE OF SEPARATION. D.I.P. IS NOT REQUIRED FOR STORM SEWERS.

MAINTAIN (10) FEET HORIZONTAL DISTANCE BETWEEN WATER MAIN AND STORM OR SANITARY SEWER MAIN, AS A MINIMUM.

3. FORCE MAIN CROSSING WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE WATER MAIN WITH WATER MAIN CROSSING OVER FORCE MAIN.

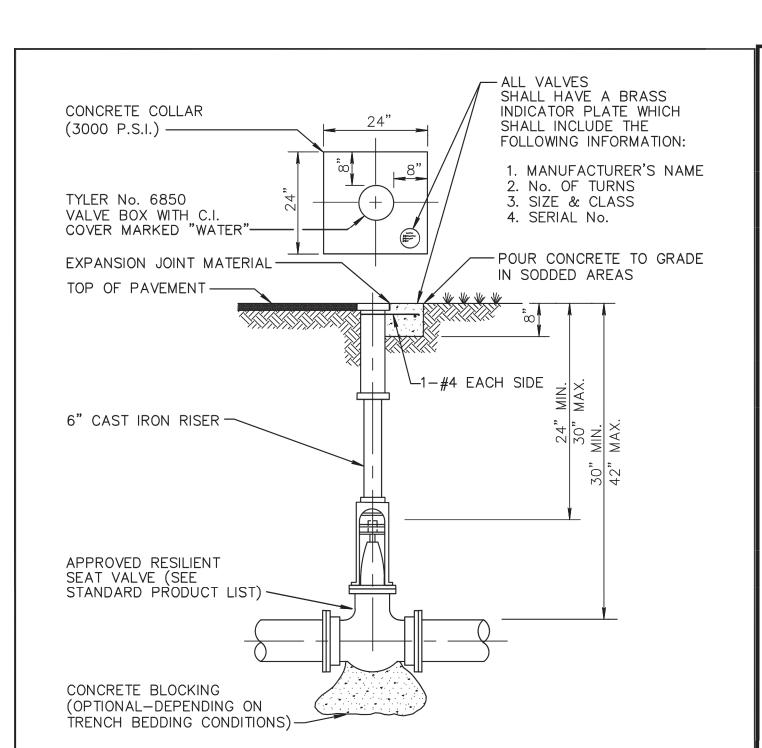
. SEWER SERVICE LATERALS ȘHALL CROSS UNDER WATERMAINS WITH A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES. IF EIGHTEEN (18) INCHES VERTICAL SEPARATION CANNOT BE MAINTAINED, THEN THE WATERMAIN SHALL BE D.I.P. AND THE SANITARY LATERAL C-900 SDR18 OR BETTER AND THE MINIMUM SEPARATION SHALL BE SIX (6)

WHEN IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER THE SEWER SERVICE LATERAL A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED. THE WATERMAIN SHALL BE D.I.P. AND THE SEWER LATERAL SHALL BE C-900 SDR-18 OR BETER.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT

WATER MAIN & SEWER CONFLICT

PW 2.1



CITY of DELRAY BEACH

ENVIRONMENTAL SERVICES DEPARTMEN I 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

1. WHEN VALVE IS DEEPER THAN 30" AN EXTENSION WITH UNIVERSAL JOINT SHALL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE EXTENSION BOLTS & NUTS SHALL BE 316 STAINLESS STEEL. A 316 STAINLESS STEEL CENTERING PLATE SHALL ALSO BE REQUIRED.

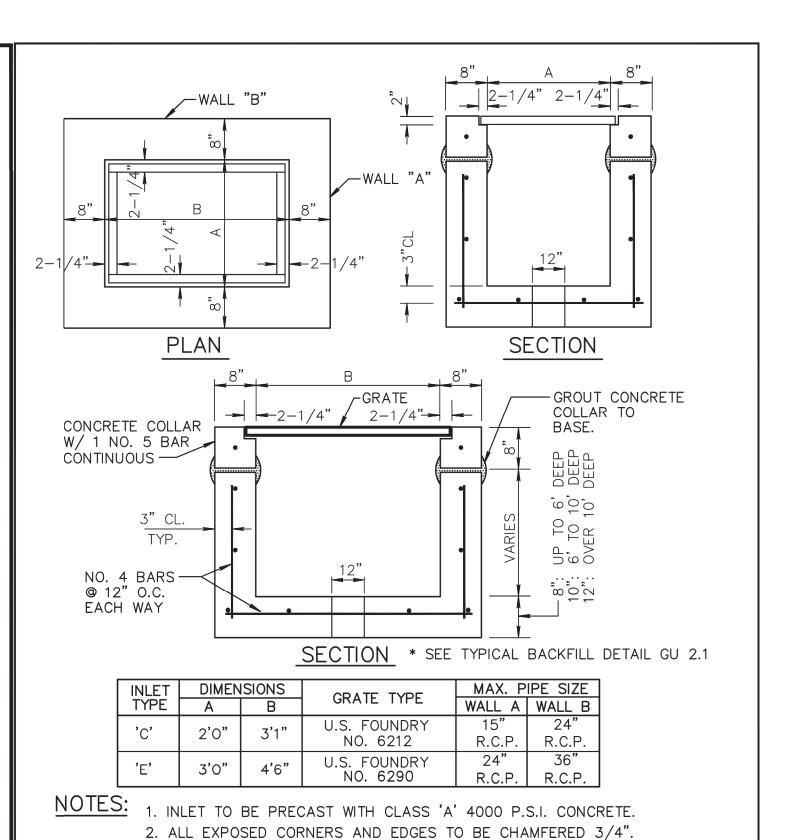
TYPICAL GATE VALVE DETAIL 4" THRU 12"

2. AT DEAD END OR WHERE MAIN LINES CHANGE DIRECTION, VALVES SHALL BE RESTRAINED USING MECHANICAL JOINT RESTRAINTS, TIERODS, OR OTHER APPROVED RESTRAINT.



TYPE C & E INLET GRATE DETAIL

D 6.1



CITY of DELRAY BEACH TYPE C & E INLET DETAIL **ENVIRONMENTAL SERVICES DEPARTMENT** 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

3. 12" DIA. WEEP HOLE REQUIRED ON ALL STRUCTURES WHICH

4. 18" SUMP REQUIRED IN ALL DRAINAGE STRUCTURES.

6. ALL STRUCTURES TO BE 4 SIDED ANGLE SHOULDERS.

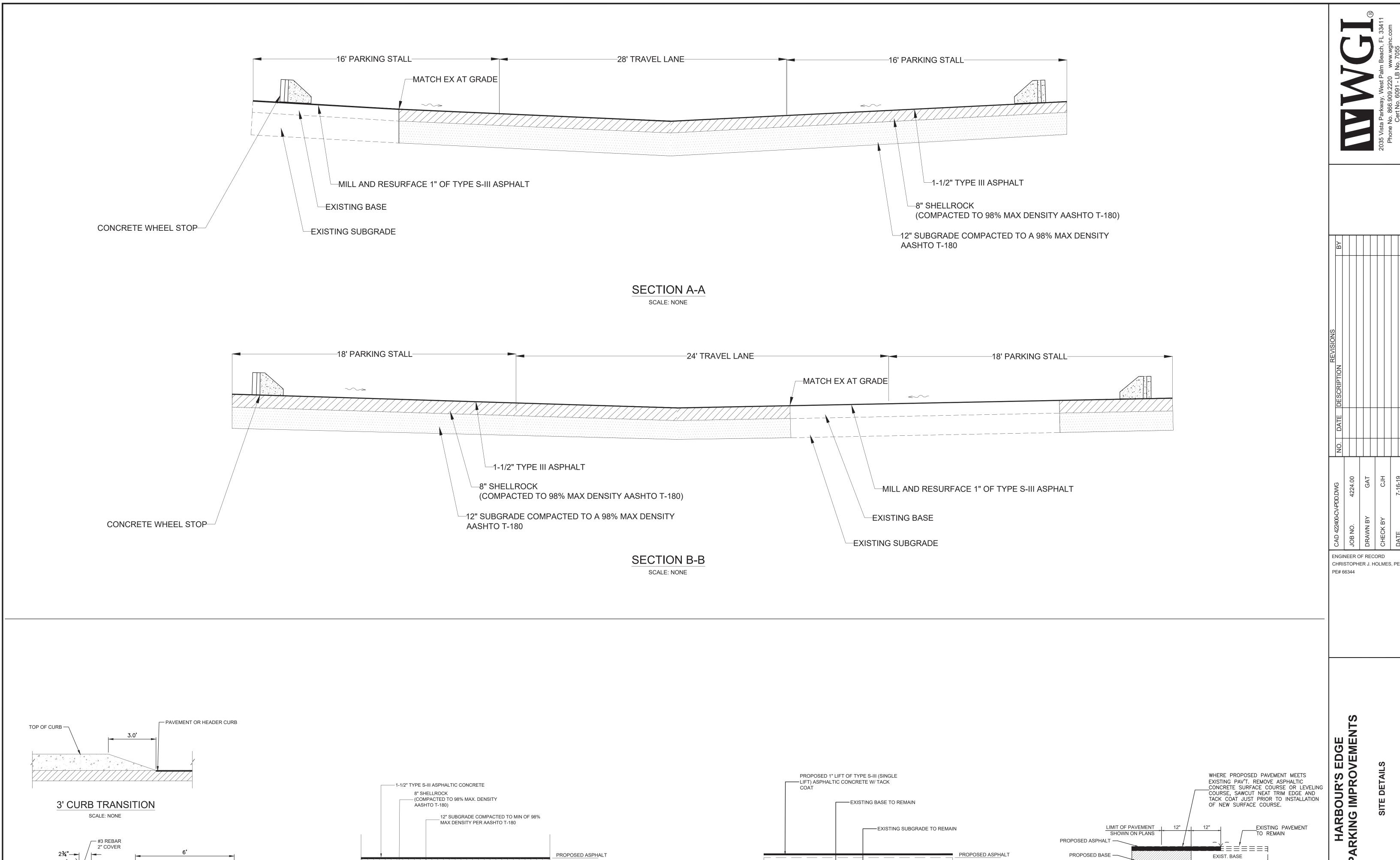
IN WELLFIELDS.

5. SEE BEDDING DETAIL D 3.1

HAVE A BOTTOM ELEVATION ABOVE THE WATER TABLE EXCEPT

ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

> DG $\square >$ HARBOUR'S I

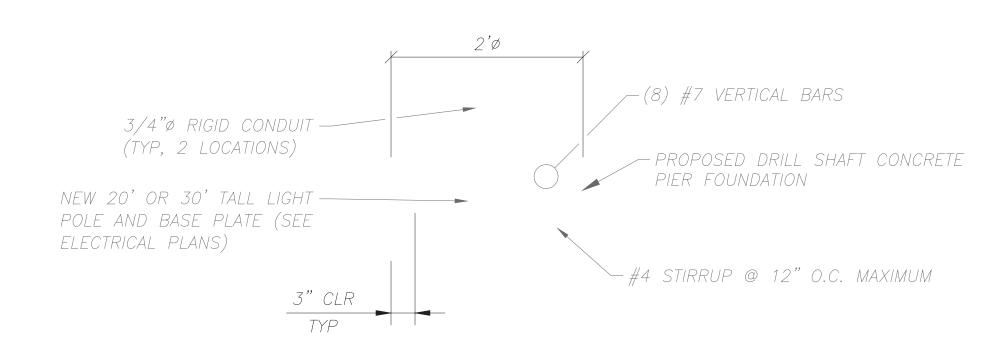


EXISTING PAV'T. REMOVE ASPHALTIC

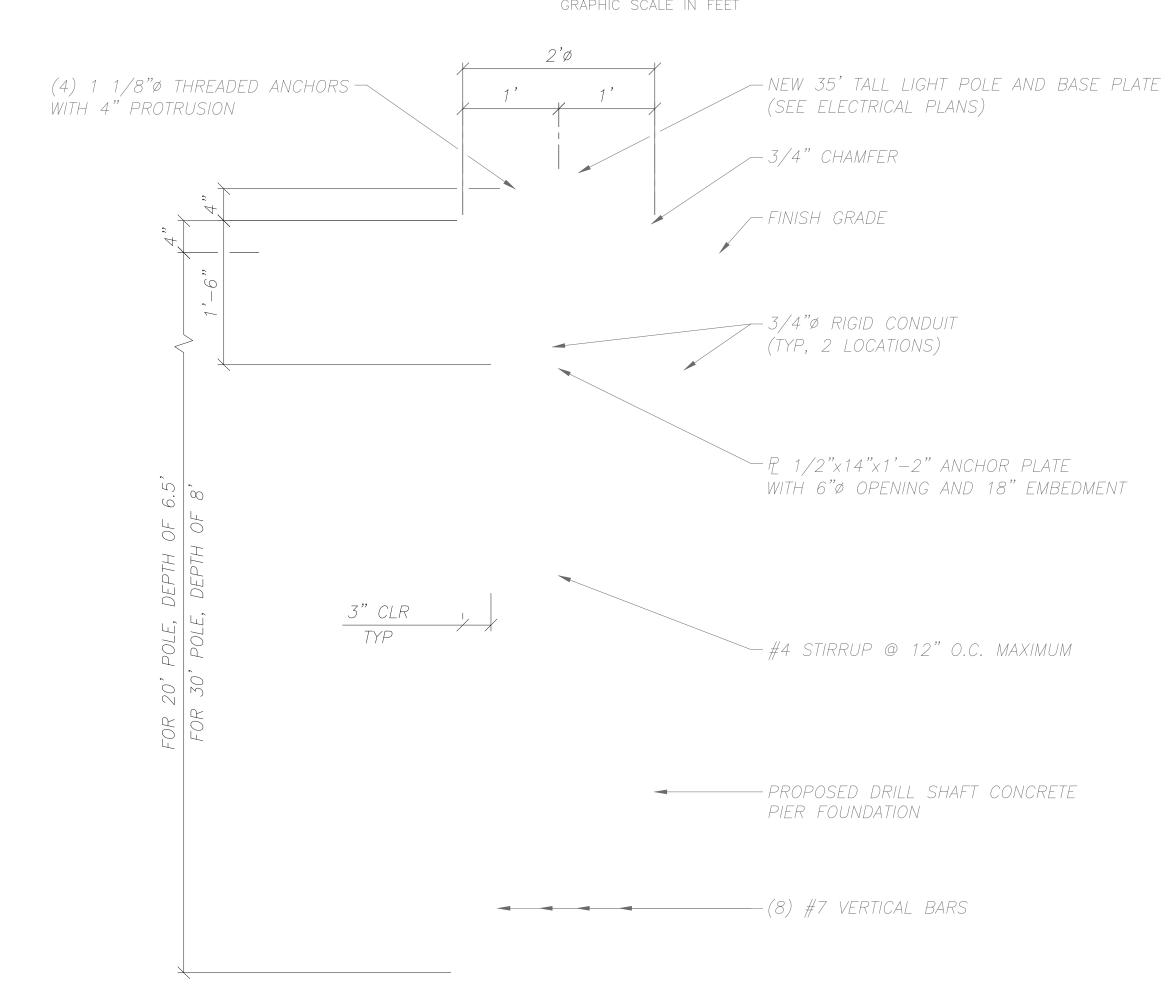
CONCRETE SURFACE COURSE OR LEVELING
COURSE, SAWCUT NEAT TRIM EDGE AND
TACK COAT JUST PRIOR TO INSTALLATION
OF NEW SURFACE COURSE. 3' CURB TRANSITION AASHTO T-180) SCALE: NONE __12" SUBGRADE COMPACTED TO MIN OF 98% MAX DENSITY PER AASHTO T-180 LIMIT OF PAVEMENT | 12" EXISTING PAVEMENT EXISTING SUBGRADE TO REMAIN TO REMAIN PROPOSED ASPHALT --- #3 REBAR 2" COVER PROPOSED ASPHALT PROPOSED ASPHALT PROPOSED BASE — EXIST. BASE **EXISTING BASE** PROPOSED BASE PROPOSED SUBBASE -EXIST. SUBBASE EXISTING SUBBASE PROPOSED SUBBASE NOTE: REFER TO PAVEMENT EXISTING PAVEMENT BARS ARE TO BE DRIVEN 3/4" SECTIONS FOR MATERIAL BELOW TOP OF WHEEL STOP THICKNESS FOR #5 REBAR AND GROUT FILLED FLUSH #5 REBAR 18" LONG → WITH TOP OF WHEEL STOP. EMBEDDED IN PAVEMENT NEW PAVEMENT SECTION TO **EXISTING PAVEMENT TRANSITION** TYPICAL ASPHALT PAVEMENT SECTION - FULL DEPTH TYPICAL ASPHALT PAVEMENT SECTION - MILLING & RESURFACING **CONCRETE WHEEL STOP**

SCALE: NONE

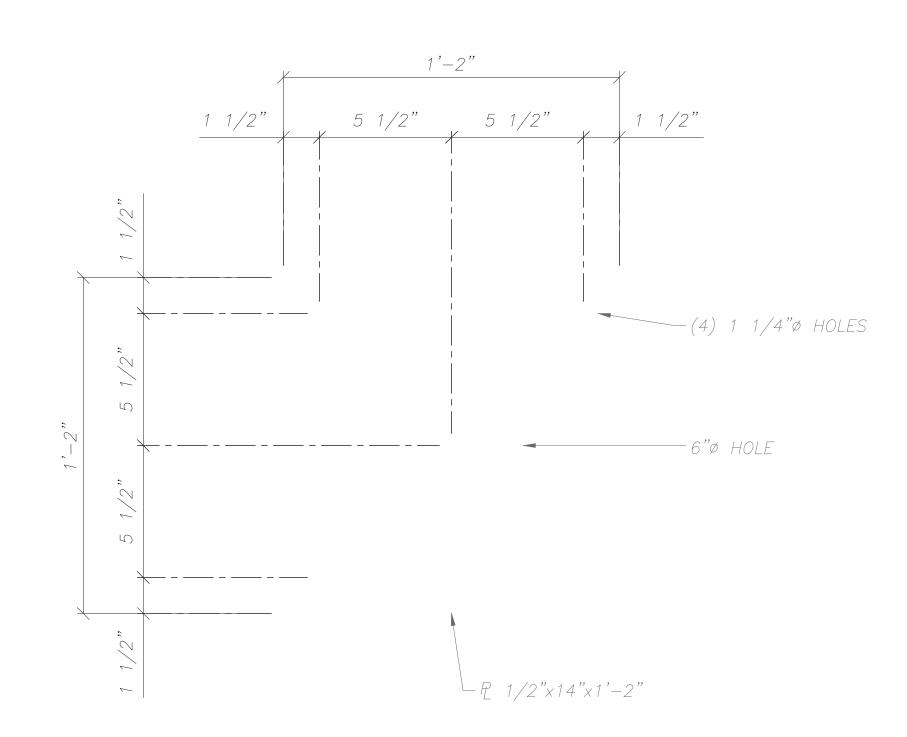
SCALE: NONE



PROPOSED PIER FOUNDATION PLAN C5-3 GRAPHIC SCALE IN FEET









 $\begin{array}{lll} LAMP \\ A_{L} &=& 1.2 \ SF \\ Kz &=& 0.945 \\ Kd &=& 0.85 \\ G &=& 0.85 \\ Cf &=& 1.80 \\ qz &=& 63.8 \ PSF \\ F_{L} &=& qzGCfA_{L} &=& 117 \ PSF \end{array}$

SOIL BEARING PRESSURES:
FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017
CHAPTER 18 USING TABLE 1806 PRESUMPTIVE SOIL BEARING LOAD VALUES — MATERIAL
CLASS 4

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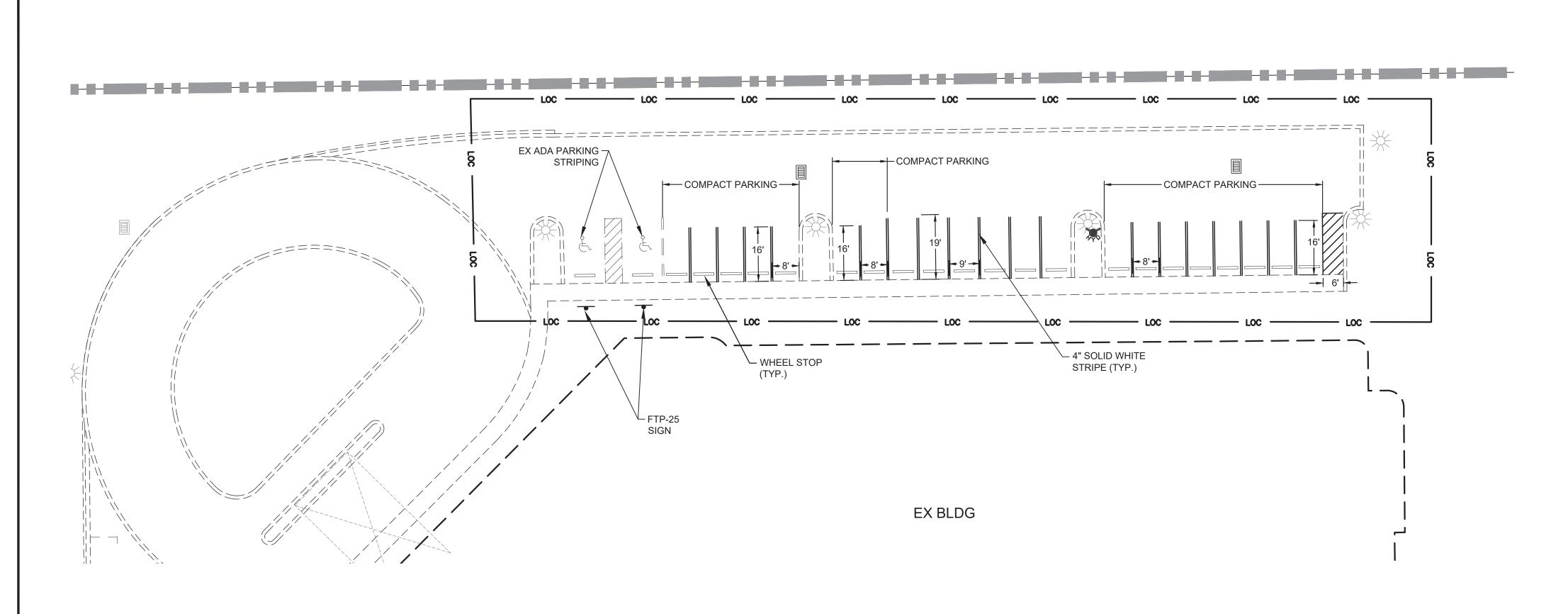
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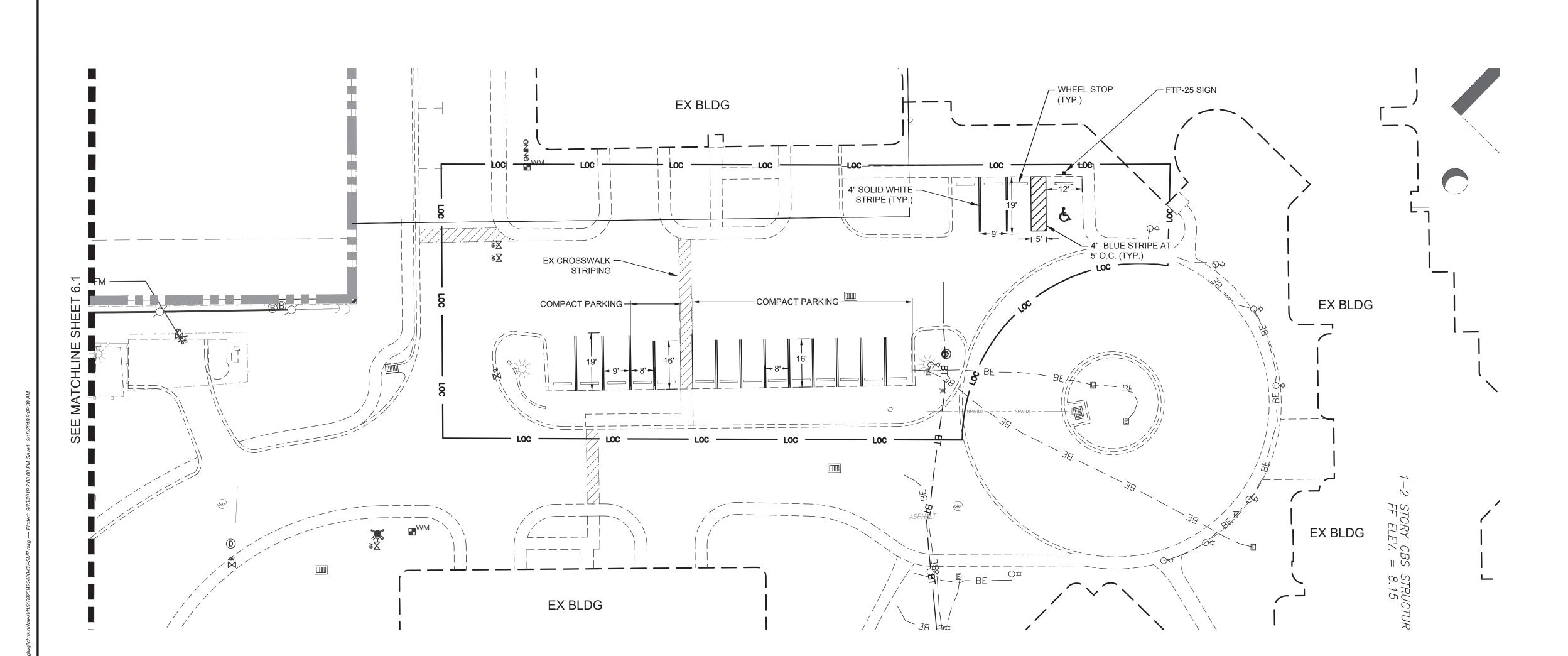
ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE PE# 66344

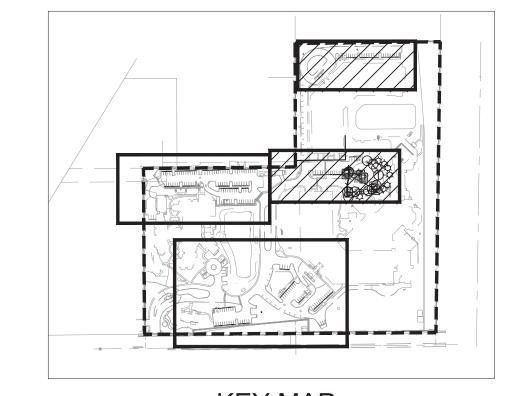
HARBOUR'S EDGE PARKING IMPROVEMENTS

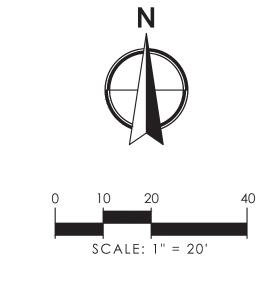
SHEET:

C5-3









LEGEND

LIMITS OF CONSTRUCTION

RETE PAVEMENT

CONCRETE PAVEMENT

PAVEMENT AND MARKING NOTES

- 1. PAVEMENT MARKINGS ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS & PALM BEACH COUNTY TYPICAL NO. T-P-13.
- CONFLICTING AND/OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED UPON COMPLETION OF THE PROJECT.
- 3. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN IN THE TRAFFIC DESIGN STANDARDS.
- 4. ALL PAVEMENT MARKINGS AND STRIPING EXCLUDING PARKING STALLS, SHALL BE INSTALLED WITH THERMOPLASTIC MATERIALS.
- 5. CONTRACTOR SHALL PROVIDE NEW OR RELOCATED ADA PARKING SIGN (FTP.25) AT ALL NEW AND EXISTING ADA PARKING SPACES WITHIN LIMITS OF CONSTRUCTION.
- 6. ALL WHEEL STOPS FOR COMPACT SPACES SHALL BE MARKED AS "COMPACT CAR ONLY"

SIGN LEGEND

DESIGNATIONS USED IN THE PLANS TO INDICATE THE TYPE OF SIGN TO BE INSTALLED ARE:

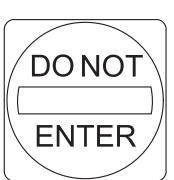
1 R1-1 STOP SIGN

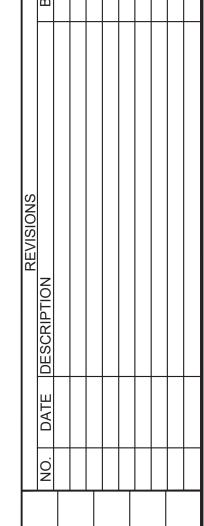


2 FTP-25 ADA PARKING SIGN



3 R5-1 DO NOT ENTER SIGN





CAD 422400-CV-SMP.DWG
JOB NO. 4224.00

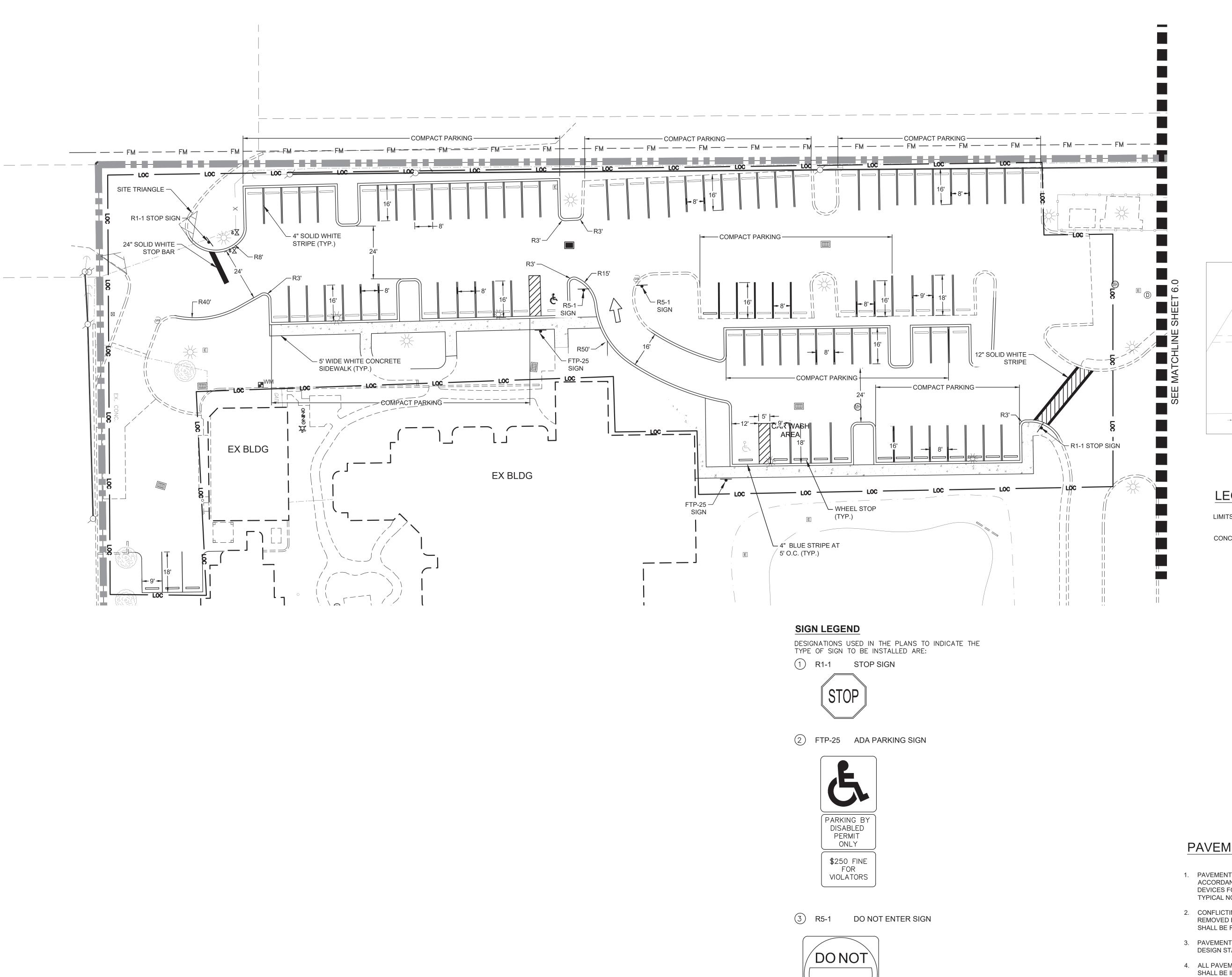
SERVING A GAT
CHECK BY CJH
DATE 7-16-19

CHRISTOPHER J. HOLMES, PE PE# 66344

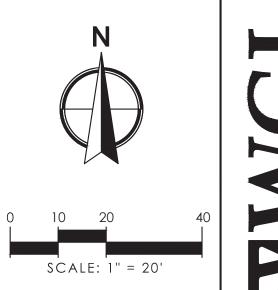
HARBOUR'S EDGE PARKING
IMPROVEMENTS
SIGNING AND PAVEMENT MARKING

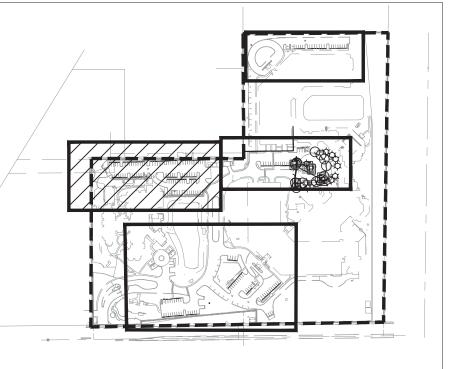
SHEET:

C6.0



ENTER





KEY MAP

LEGEND

LIMITS OF CONSTRUCTION

CONCRETE PAVEMENT

ENGINEER OF RECORD CHRISTOPHER J. HOLMES, PE

PAVEMENT AND MARKING NOTES

- 1. PAVEMENT MARKINGS ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS & PALM BEACH COUNTY TYPICAL NO. T-P-13.
- 2. CONFLICTING AND/OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED UPON COMPLETION OF THE PROJECT.
- 3. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN IN THE TRAFFIC DESIGN STANDARDS.
- 4. ALL PAVEMENT MARKINGS AND STRIPING EXCLUDING PARKING STALLS, SHALL BE INSTALLED WITH THERMOPLASTIC MATERIALS.
- 5. CONTRACTOR SHALL PROVIDE NEW OR RELOCATED ADA PARKING SIGN (FTP.25) AT ALL NEW AND EXISTING ADA PARKING SPACES WITHIN LIMITS OF CONSTRUCTION.
- 6. ALL WHEEL STOPS FOR COMPACT SPACES SHALL BE MARKED AS "COMPACT CAR ONLY"

HARBOUR'S EDGE PARKING IMPROVEMENTS

