

EROSION CONTROL NOTES:

1.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN FLORIDA (HEREAFTER REFERRED TO AS FL GUIDELINES).
2.

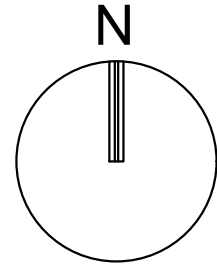
MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION SHALL BE MADE OF ALL INSTALLED EROSION CONTROL MEASURES AND REPAIRS SHALL BE CONDUCTED TO ENSURE THEIR CONTINUING FUNCTION AS DESIGNED.
3.

CATCH BASIN, INLETS, STORM SEWER MANHOLES STRUCTURES, ETC. SHALL BE PROTECTED DURING CONSTRUCTION OPERATIONS FROM SEDIMENT RUNOFF AND DEBRIS BY PLACING A FILTER FABRIC MATERIAL IN THE FRAME AND GRATE/MANHOLE COVER. PREVENTIVE METHODS MUST BE UTILIZED AROUND THESE STRUCTURES (DURING CONSTRUCTION OPERATIONS) BY GRADING TO DRAIN AWAY FROM STRUCTURES AND ANY OTHER METHODS APPROVED BY THE AGENCY HAVING JURISDICTION OR DESIGN ENGINEER OF RECORD.
4.

THE CONTRACTOR SHALL INSTALL A SOIL TRACKING PREVENTION DEVICE AS PER THE FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL. THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS. STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFFSITE TRACKING.
5.

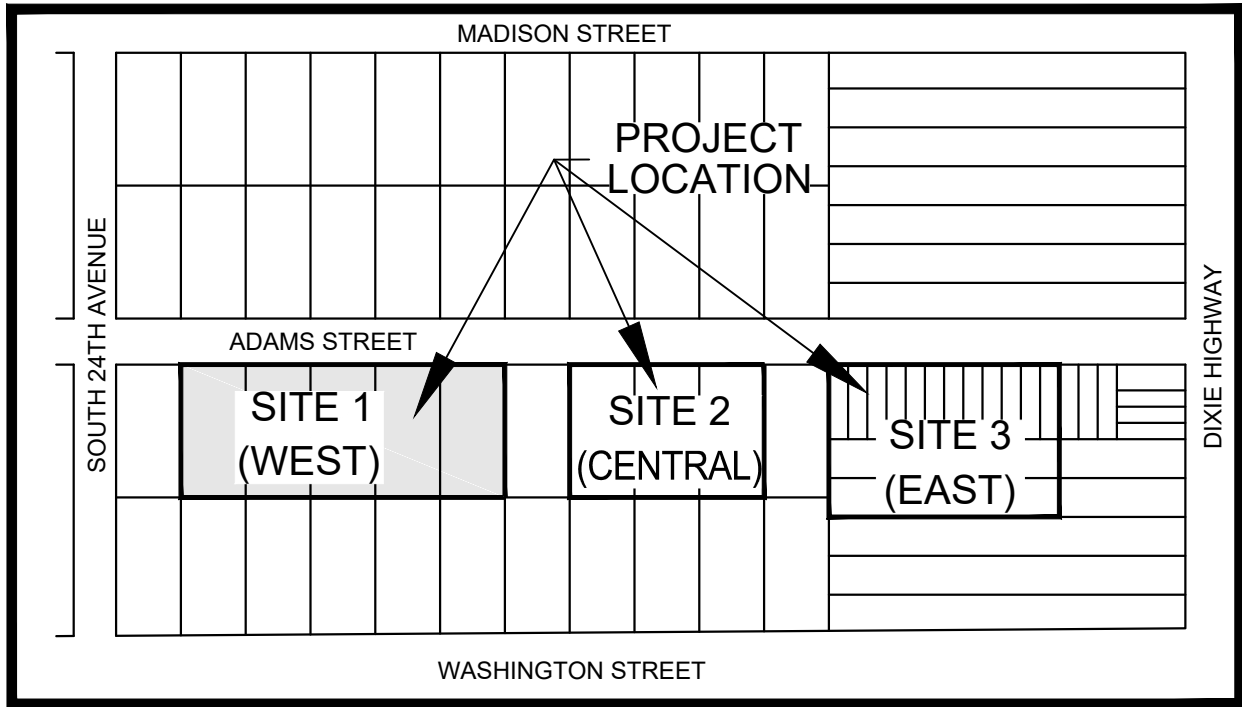
ALL AREAS OF DISTURBANCE THAT ARE NOT WITHIN BUILDING OR PAVEMENT LIMITS SHALL BE SODDED, REFER TO LANDSCAPE PLANS FOR SOD SPECIFICATION AND REQUIREMENTS.
6.

REMOVE ALL EROSION CONTROL IMPROVEMENTS AFTER ALL DISTURBED AREAS ARE STABILIZED WITH THE FINAL GROUND COVER.



SCALE: 1"=20'

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL.
VERIFY SCALE USING BAR SCALE ABOVE.



VICINITY MAP
(NOT TO SCALE)

KEITH & ASSOCIATES, INC.
consulting engineers

301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

PH: (954) 788-3400

Florida Certificate of
Authorization # - 7928

BID / CONTRACT NO. :

REVISIONS

NO.	DESCRIPTION	DATE

**PRELIMINARY PLAN
NOT FOR CONSTRUCTION**
THESE PLANS ARE NOT FULLY PERMITTED
AND ARE SUBJECT TO REVISIONS MADE
DURING THE PERMITTING PROCESS.
RESPONSIBILITY FOR THE USE OF THESE
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FROM ALL AGENCIES HAVING JURISDICTION
OVER THE PROJECT WILL FALL SOLELY
UPON THE USER.



ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED
DATE ISSUED: FEBRUARY 2018
DRAWN BY: MC
DESIGNED BY: SB
CHECKED BY: JT

JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

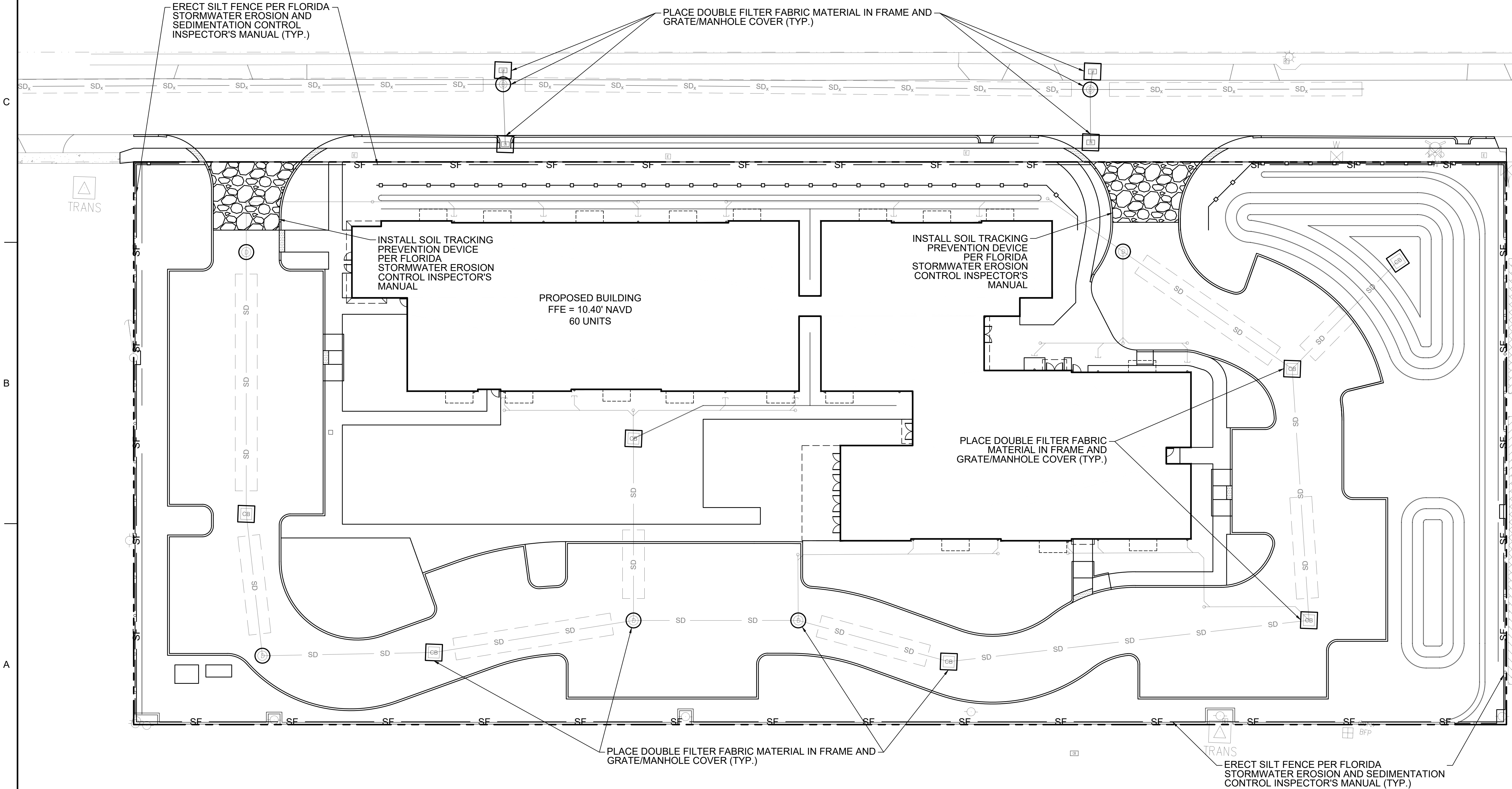
**EROSION CONTROL
PLAN SITE 1 (WEST)**

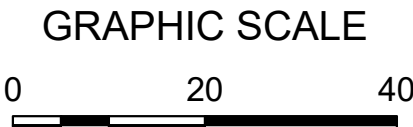
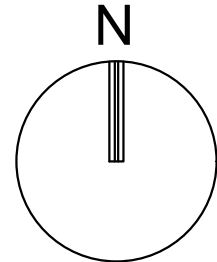
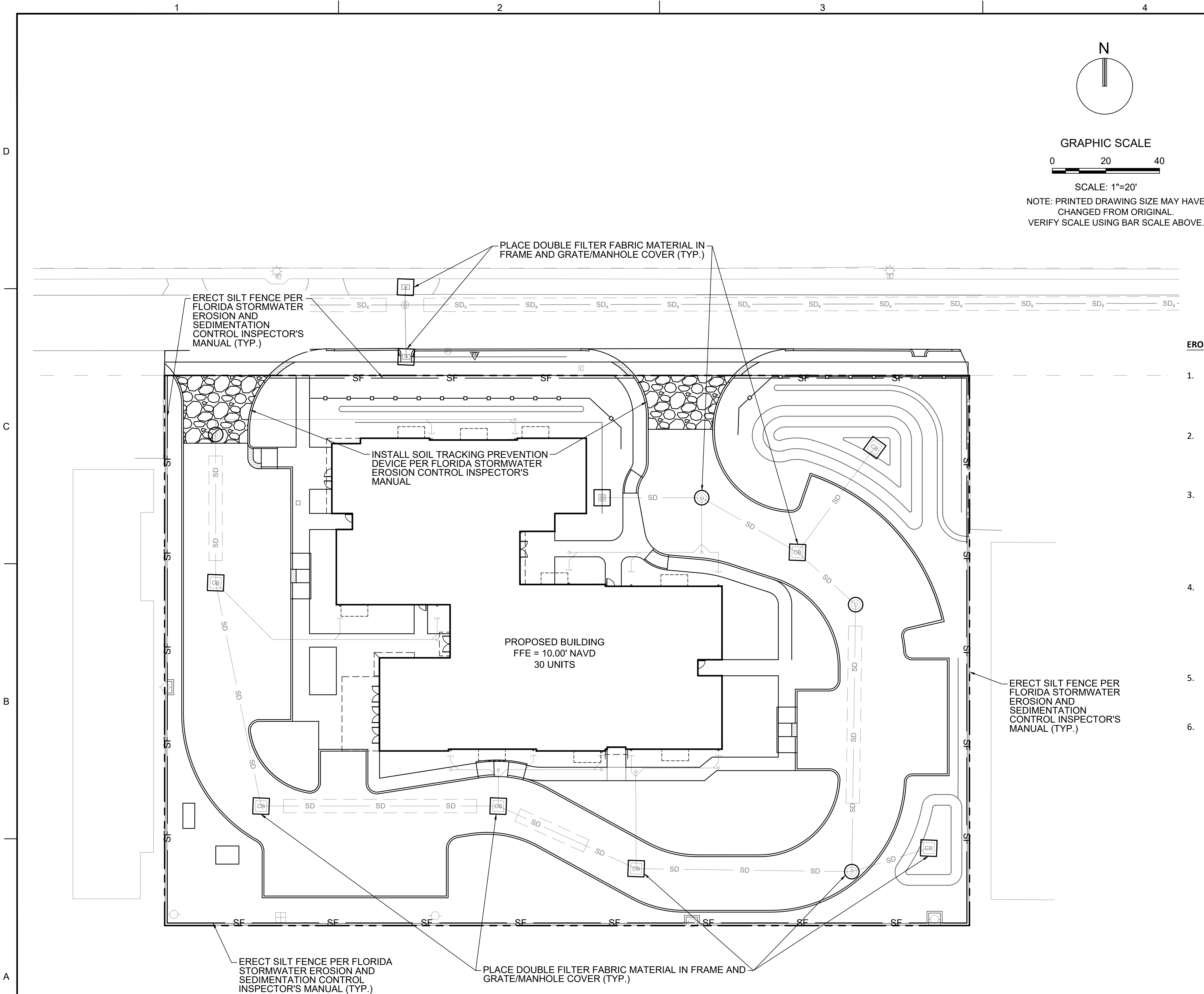
SHEET NUMBER

CG-101

PRELIMINARY TAC SUBMITTAL

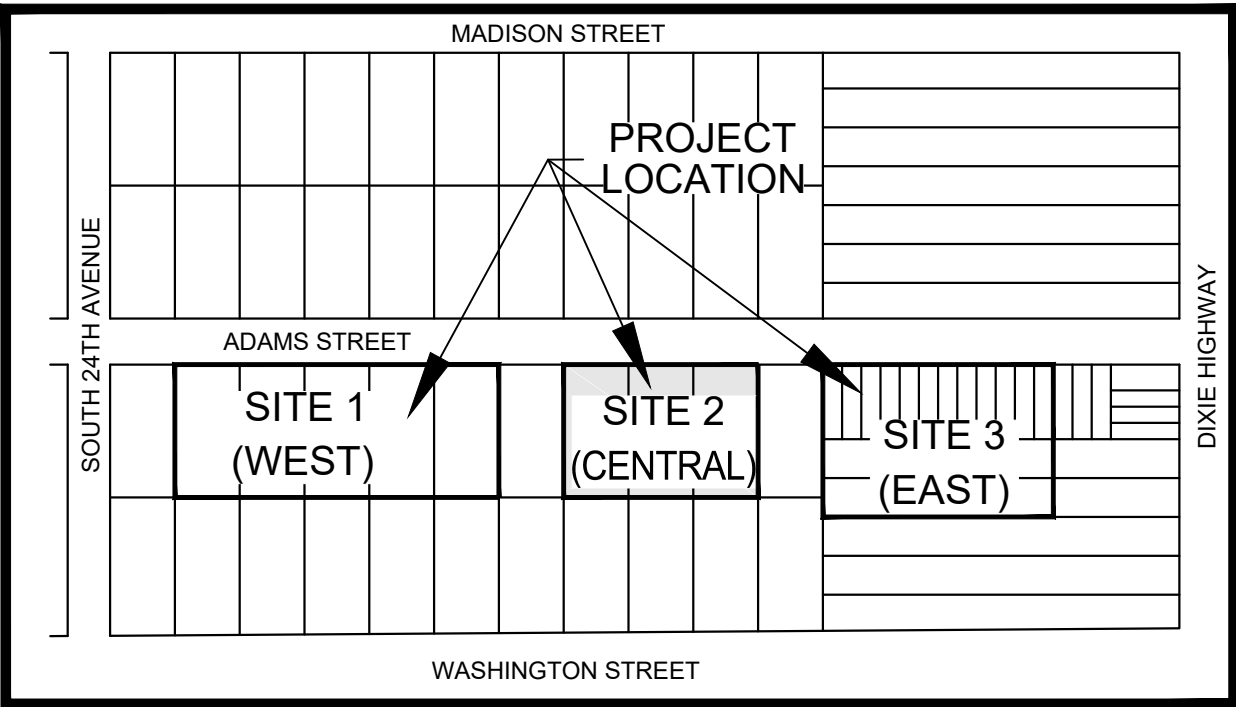
PROJECT NO. **10067.00**





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5. ALL AREAS OF DISTURBANCE THAT ARE NOT WITHIN BUILDING OR PAVEMENT LIMITS SHALL BE SODDED, REFER TO LANDSCAPE PLANS FOR SOD SPECIFICATION AND REQUIREMENTS.
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CITY OF HOLLYWOOD FLORIDA

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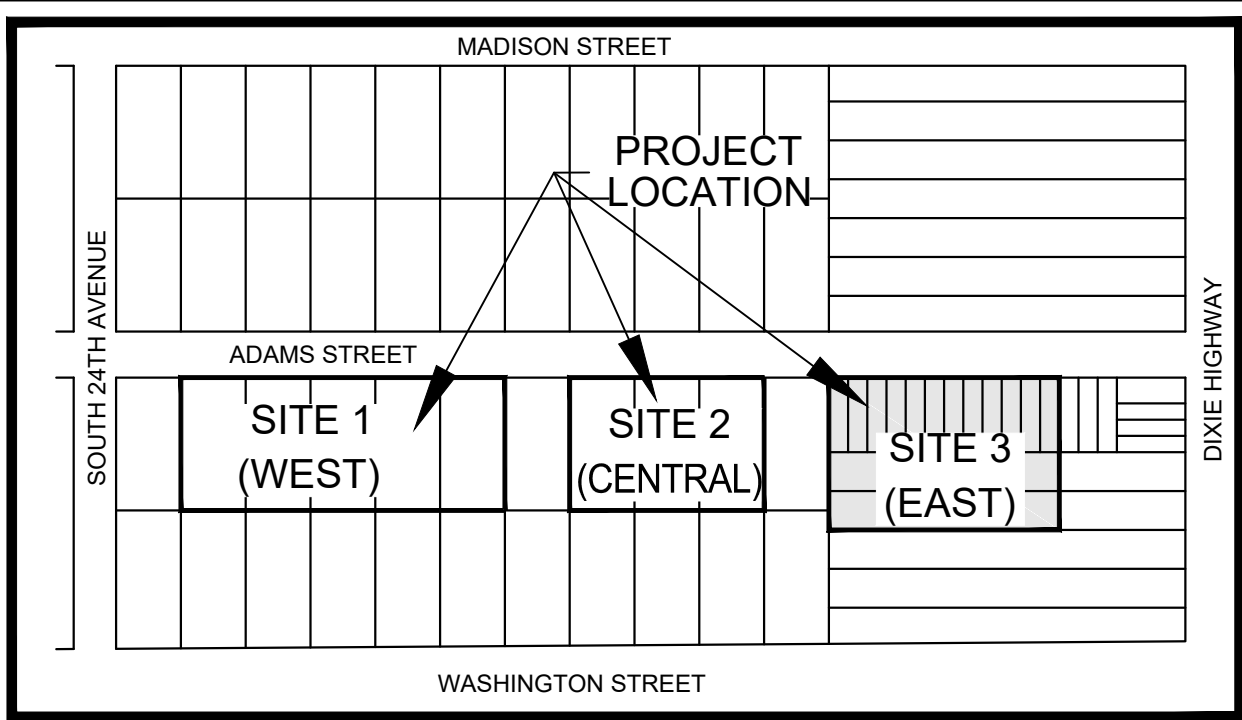
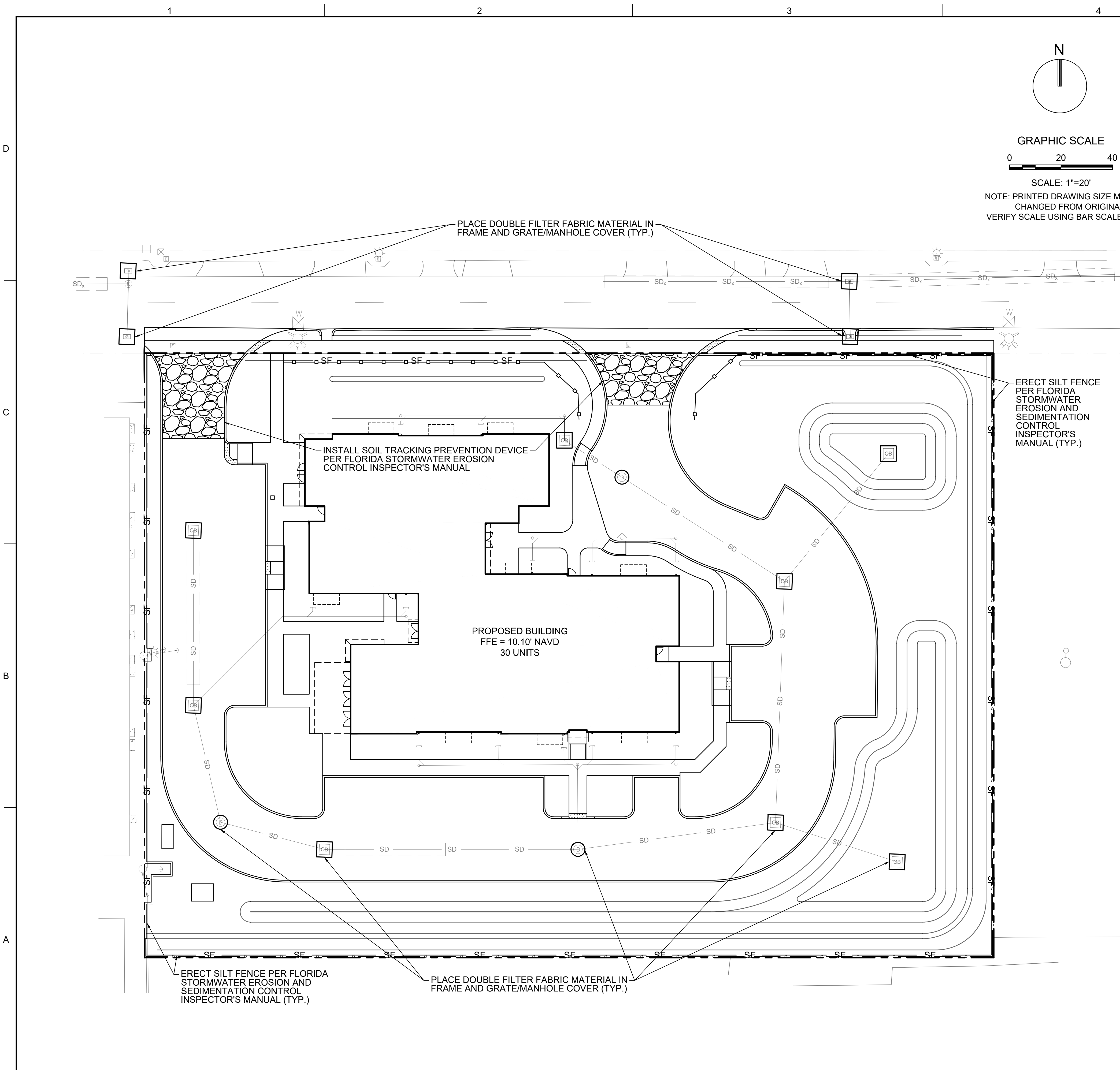
JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE
**EROSION CONTROL
PLAN SITE 2
(CENTRAL)**

SHEET NUMBER
CG-102

PRELIMINARY TAC SUBMITTAL

PROJECT NO. **10067.00**



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JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

**EROSION CONTROL
PLAN SITE 3 (EAST)**

SHEET NUMBER

CG-103

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

Drawing name: N:\1010067.00 - Pinnacle at Peacefield - PHCEEngineering\Civil\10067.00 CG-101 Erosion Control Plans.dwg Layout Name: CG-103 Plotted on: Mar 02, 2018 - 3:27pm Plotted by: montesosa

The diagram illustrates a proposed drainage system layout. At the top, a dashed line represents the 'PROPOSED DRAINAGE MANHOLE (MH)'. Below it, a rectangular box labeled 'CB' represents the 'PROPOSED CATCH BASIN (CB)'. Further down, a horizontal line with a break in the middle is labeled 'SD' for 'PROPOSED EXFILTRATION TRENCH'. Below the trench, two points are marked with arrows and labels: '9.80' and 'MEG' (MATCH EXISTING GRADE). Below these, two more points are marked with arrows and labels: '10.30' and '9.80'. To the right of these points, a table lists the corresponding elevations: 'PROPOSED TOP OF CURB ELEVATION (NAVD)' and 'PROPOSED PAVEMENT ELEVATION (NAVD)'. Below the table, a horizontal line represents the 'EXISTING UTILITY EASEMENT'. Below that, a dashed line represents the 'PROPERTY LINE'. Below the property line, a shaded rectangular area represents the 'PROPOSED ASPHALT PAVEMENT'. At the bottom, a textured rectangular area represents the 'PROPOSED CONCRETE'.

PROPOSED DRAINAGE MANHOLE (MH)

PROPOSED CATCH BASIN (CB)

PROPOSED EXFILTRATION TRENCH

PROPOSED GRADE ELEVATION (NAVD)

MATCH EXISTING GRADE (MEG)

PROPOSED TOP OF CURB ELEVATION (NAVD)
PROPOSED PAVEMENT ELEVATION (NAVD)

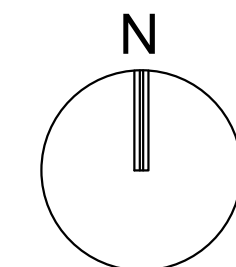
EXISTING UTILITY EASEMENT

PROPERTY LINE

PROPOSED ASPHALT PAVEMENT

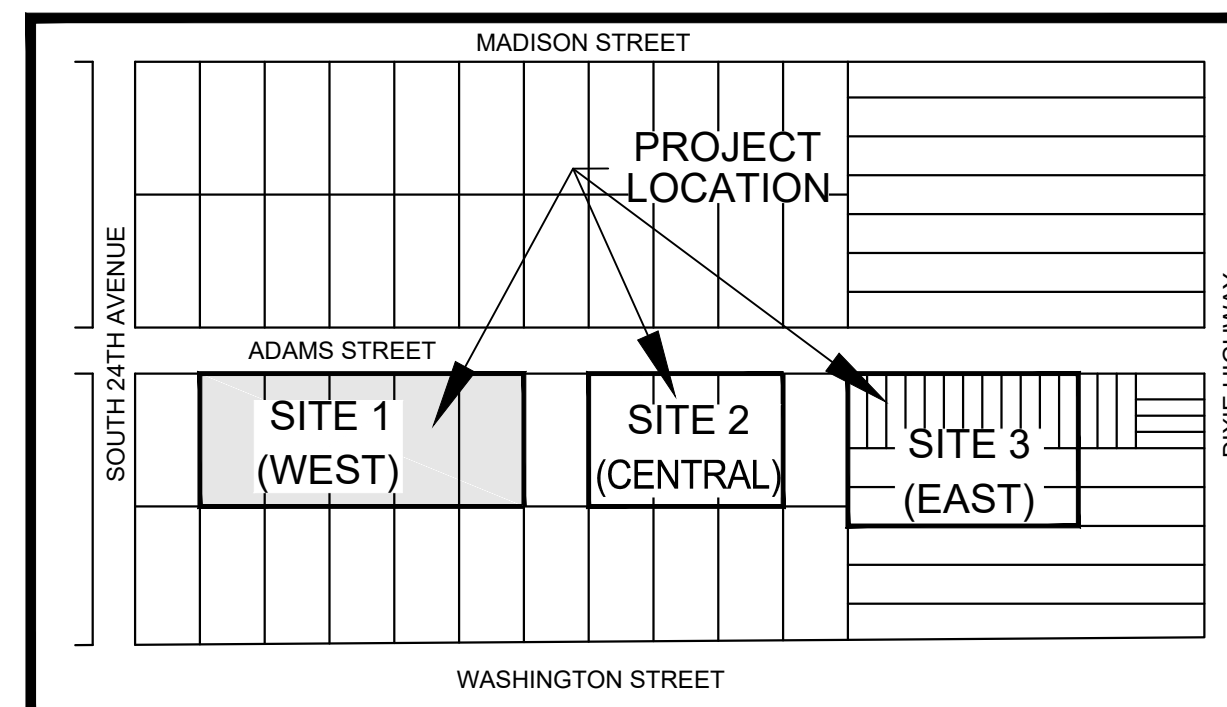
PROPOSED CONCRETE

1. ELEVATIONS SHOWN HEREIN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD)
2. ALL ROOF DRAIN PIPES MUST BE INSTALLED AT A MINIMUM 1.00% SLOPE.
3. REFER TO THE PLUMBING/ROOF PLANS FOR ROOF DRAIN CONTINUATION.
4. CONTRACTOR SHALL REMOVE, STOCKPILE, PROTECT, AND REINSTALL THE EXISTING DECORATIVE LIGHTING ALONG ADAMS STREET PER THE PROPOSED LIGHTING PLANS.
5. CONTRACTOR TO TAKE CARE NOT TO DAMAGE EXISTING PAVEMENT WHEN SAWCUTTING AND INSTALLING THE CURBING AND FLUMES ON ADAMS STREET. CONTRACTOR SHALL REPAIR ANY DAMAGED ASPHALT AND PAVEMENT MARKINGS TO THE ENGINEER'S SATISFACTION AT NO ADDITIONAL COST.
6. CONTRACTOR TO TAKE CARE NOT TO DAMAGE EXISTING TREES TO REMAIN WHEN INSTALLING THE CURBING AND REGRADING THE SWALE ALONG ADAMS STREET.
7. EXISTING 4' SIDEWALK ON ADAMS STREET TO BE REMOVED AND REPLACED WITH 5' CONCRETE SIDEWALK AS DENOTED BELOW.



0 20 40

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VICINITY MAP
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[illegible]

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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

DESIGNED BY:	SE
CHECKED BY:	IT

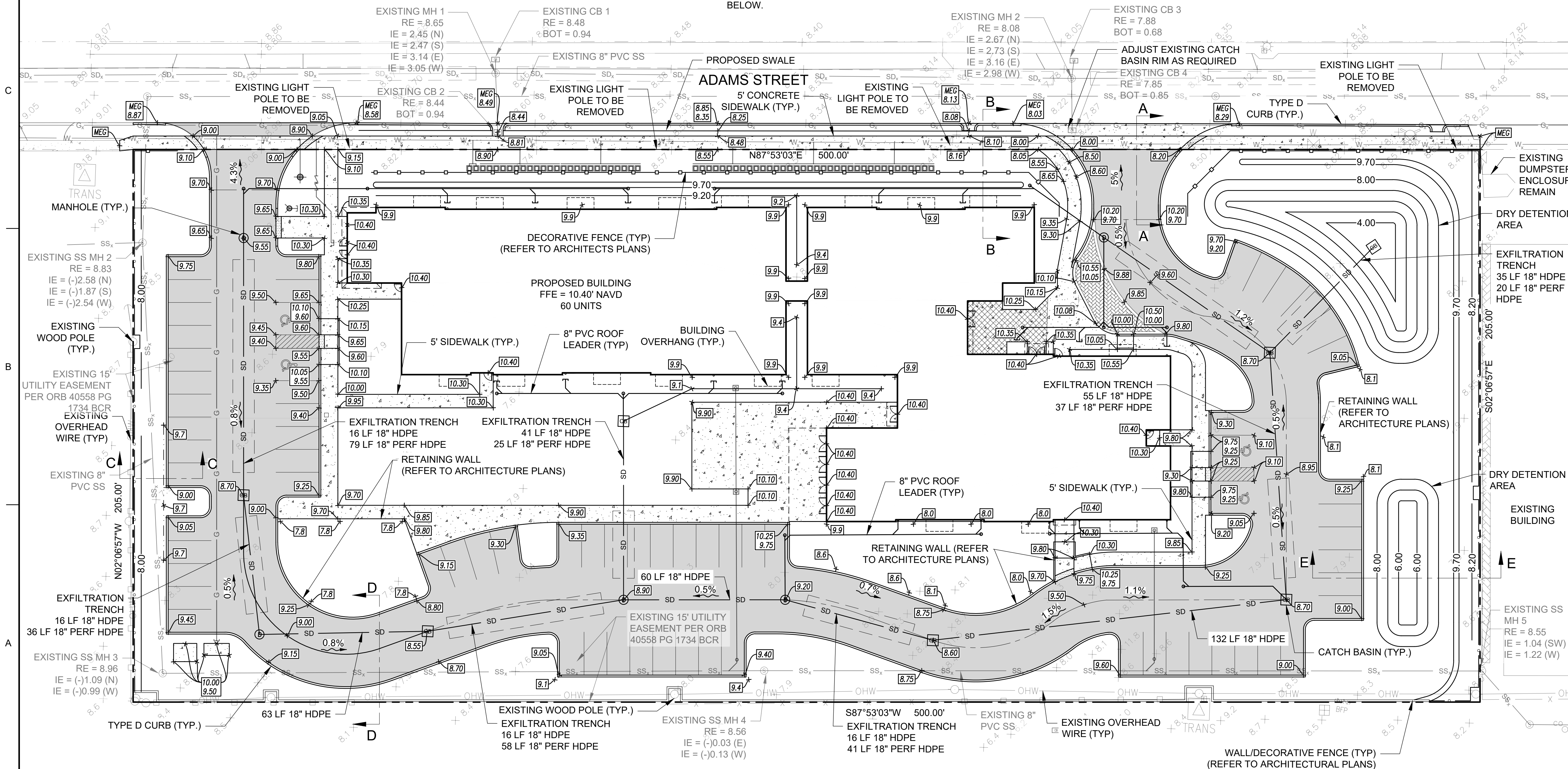
JAMES A. THIELE, P.E.
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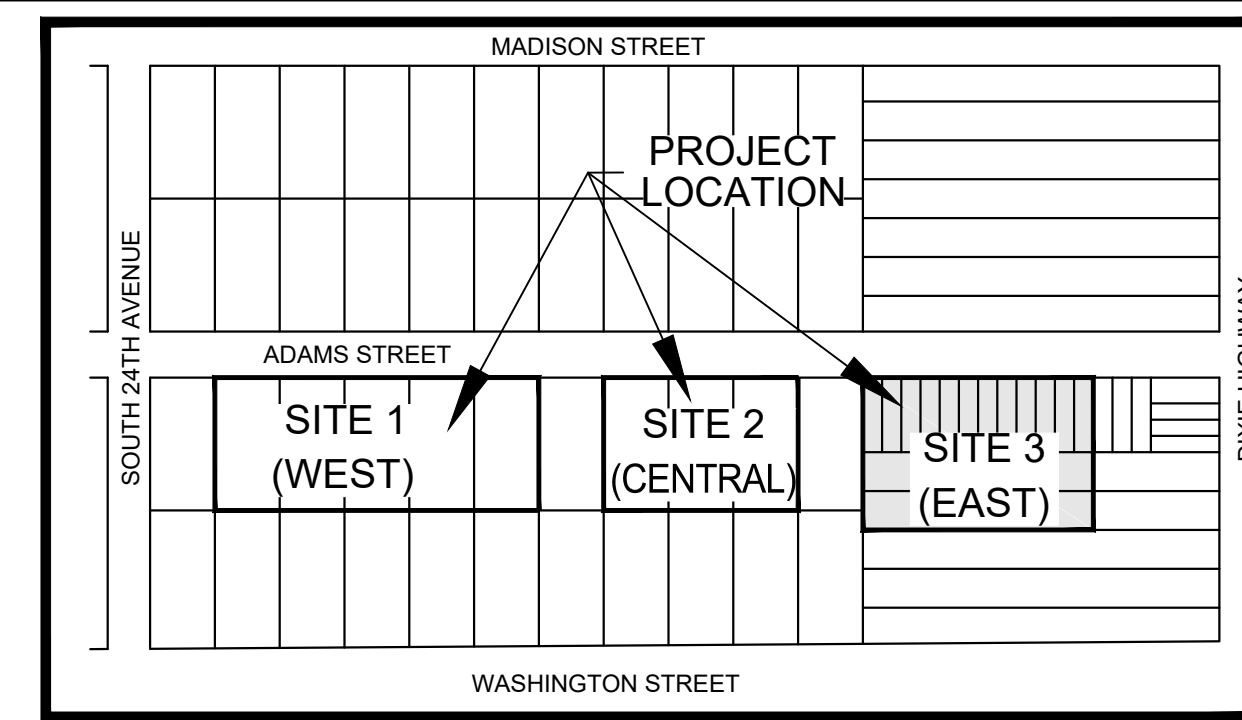
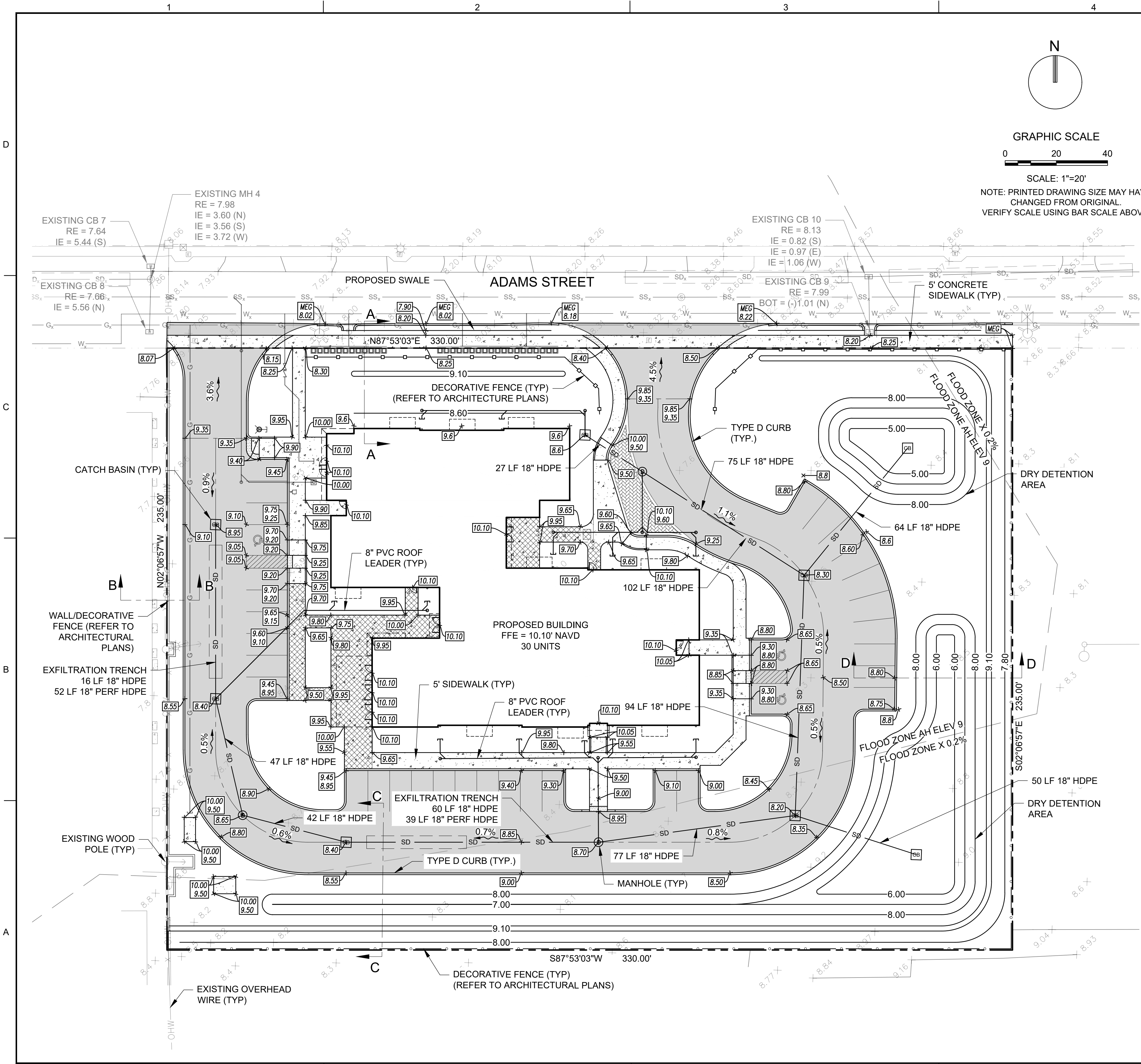
SHEET TITLE
SCHEMATIC PAVING,
GRADING, AND
DRAINAGE SITE 1
(WEST)

SHEET NUMBER
CP-101

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00





VICINITY MAP
(NOT TO SCALE)

LEGEND

- PROPOSED DRAINAGE MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED EXFILTRATION TRENCH
- PROPOSED GRADE ELEVATION (NAVD)
- MATCH EXISTING GRADE (MEG)
- PROPOSED TOP OF CURB ELEVATION (NAVD)
- PROPOSED PAVEMENT ELEVATION (NAVD)
- EXISTING UTILITY EASEMENT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING OVERHEAD LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DRAINAGE STRUCTURES
- EXISTING SPOT ELEVATION
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- PROPERTY LINE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED PAVERS

NOTES

- ELEVATIONS SHOWN HEREIN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD)
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CITY OF HOLLYWOOD FLORIDA

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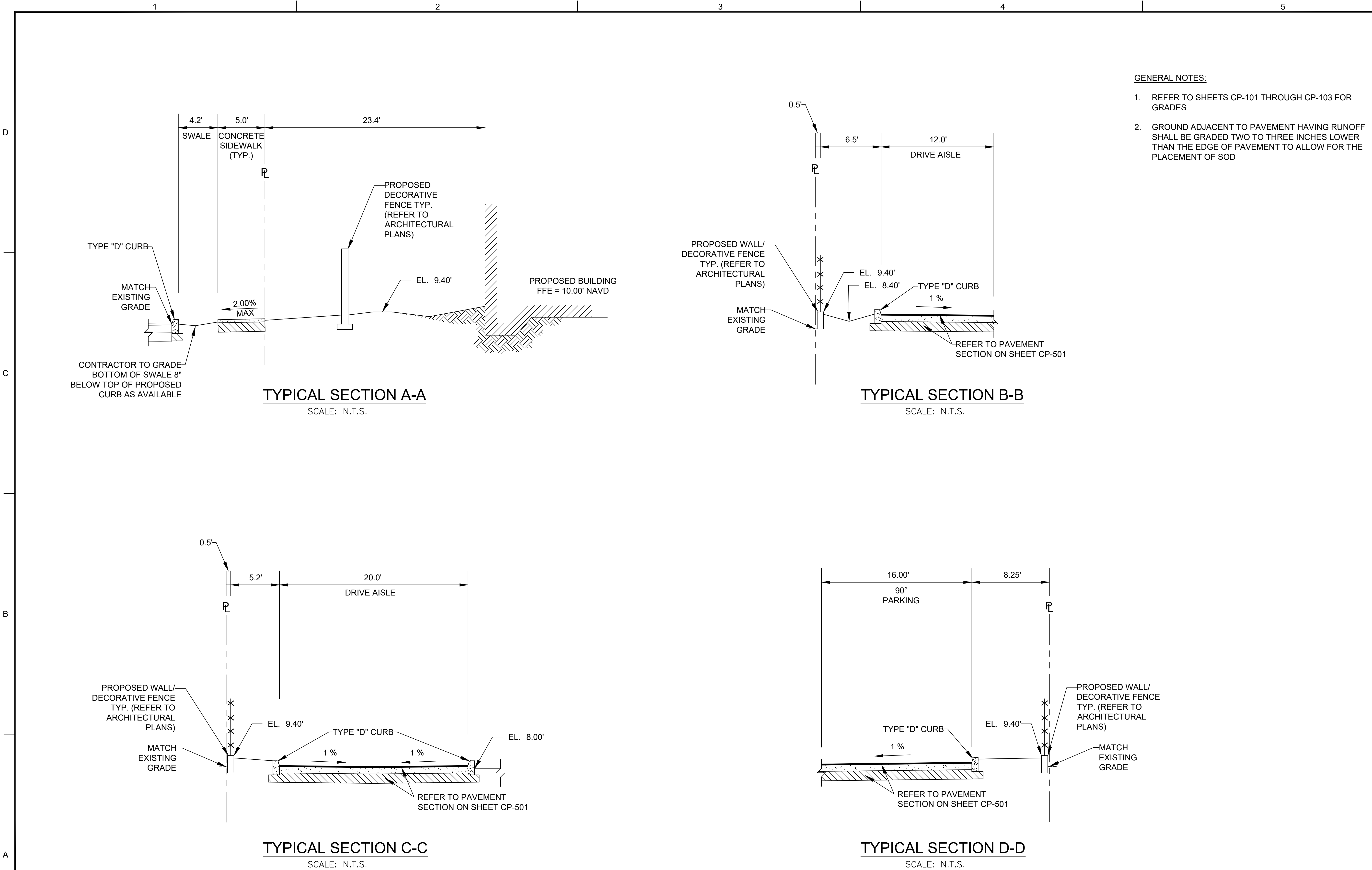
SHEET TITLE
**SCHEMATIC PAVING,
GRADING, AND
DRAINAGE SITE 3
(EAST)**

SHEET NUMBER
CP-103

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

Drawing name: A11010067.00 - Pinnacle at Peacefield - PHCEEngineering\cad\10067.00 CP-101 PGD Plans.dwg Layout Name: CP-103 Plotted by: mcarlossa Plotted on: Mar 02, 2018 - 3:45pm



- GENERAL NOTES:
1. REFER TO SHEETS CP-101 THROUGH CP-103 FOR GRADES
 2. GROUND ADJACENT TO PAVEMENT HAVING RUNOFF SHALL BE GRADED TWO TO THREE INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD



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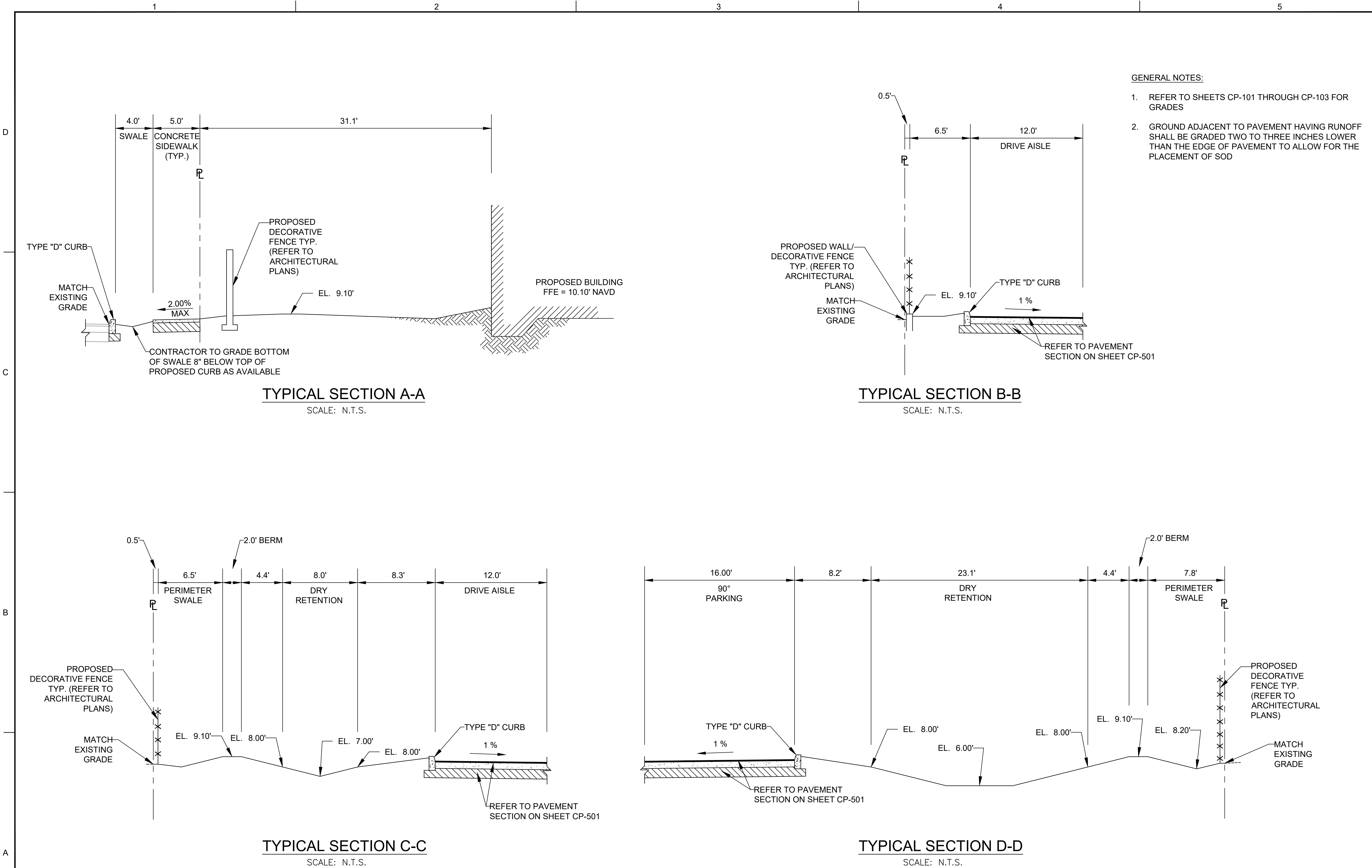
SHEET TITLE
**SCHEMATIC PAVING
AND GRADING
SECTIONS SITE 2
(CENTRAL)**

SHEET NUMBER
CP-302

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

Drawing name: N:\1010067.00 - Pinnacle at Peacefield - PHGE\Engineering\Cadd\10067.00 CP-301 Paving & Grading Sections.dwg Layout Name: CP-302 Plotted on: Mar 02, 2018 - 3:55pm Plotted by: dloggan



- GENERAL NOTES:
1. REFER TO SHEETS CP-101 THROUGH CP-103 FOR GRADES
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FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

**SCHEMATIC PAVING
AND GRADING
SECTIONS SITE 3
(EAST)**

SHEET NUMBER

CP-303

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

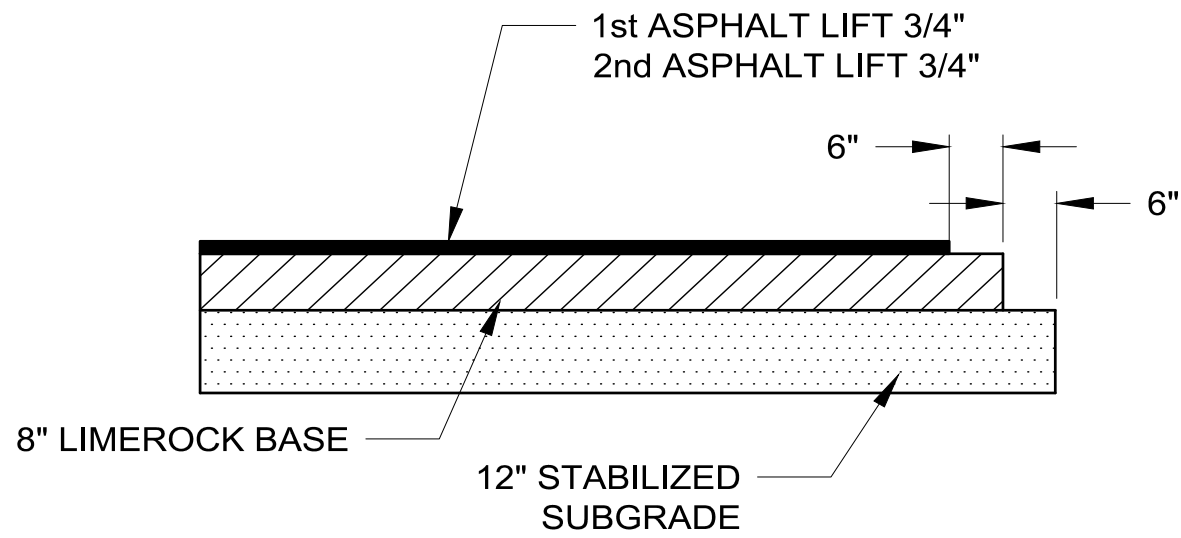
Drawing name: N:\10\10067.00 - Pinnacle at Peacefield - PHCEEngineering\Auto\10067.00 CP-301 Paving & Grading Sections.dwg Layout Name: CP-303 Printed by: dloggan Printed on: Mar 02, 2018 - 3:56pm

D

C

B

A



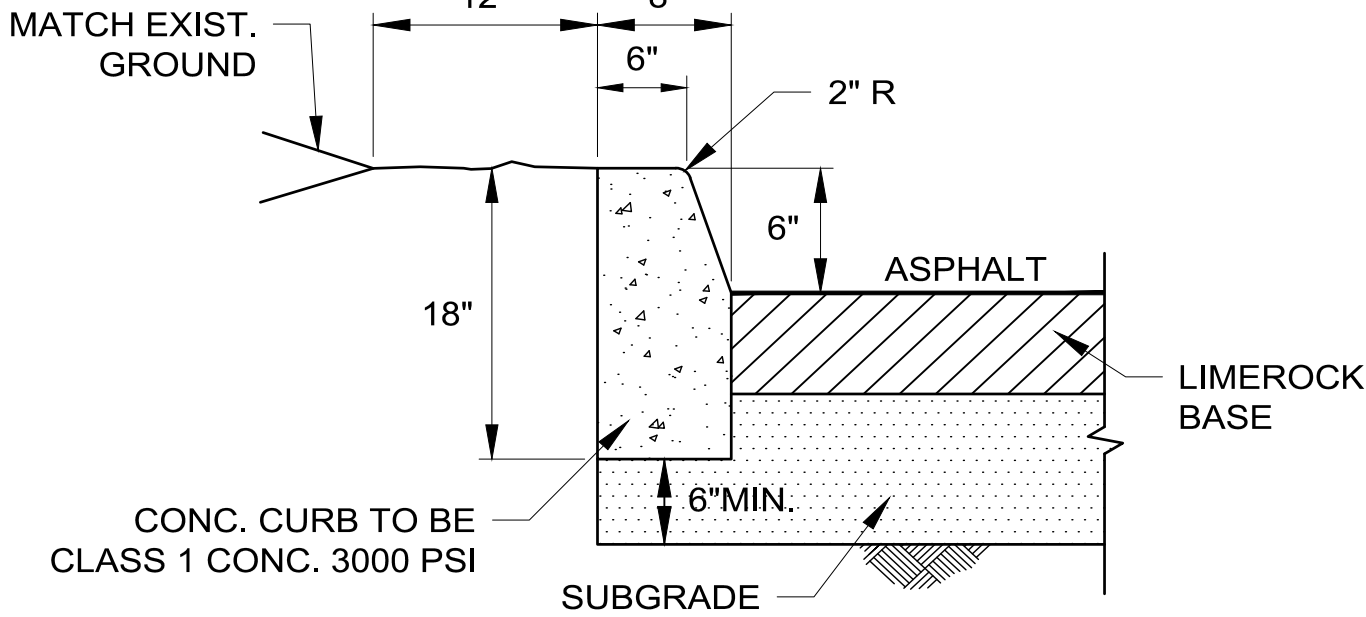
ASPHALTIC CONCRETE VEHICULAR:
FIRST LIFT - 3/4" FDOT - S-III OR APPROVED EQUAL
SECOND (FINAL) LIFT - 3/4" FDOT - S-III OR APPROVED EQUAL
ASPHALT SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF FDOT STANDARDS SPECIFICATIONS SECTION 331.
SECOND LIFT OF ASPHALT SHALL NOT BE PLACED UNTIL FINAL LANDSCAPE/HARDSCAPE HAS BEEN INSTALLED.

PRIME AND TACK COAT:
LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF FDOT STANDARDS SPECIFICATIONS SECTION 300.

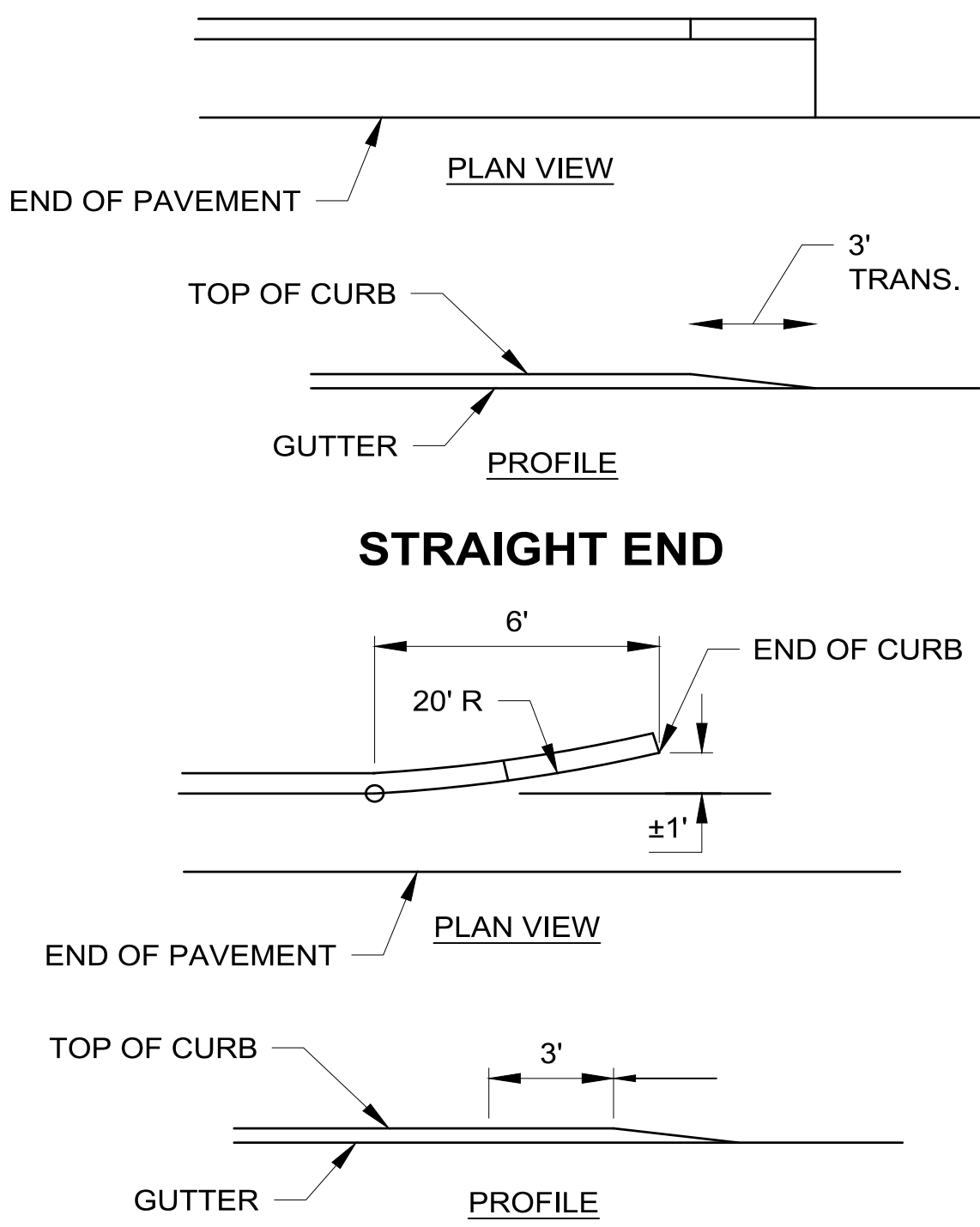
APPLICATION RATES:
PRIME COAT - 0.10 GALLONS PER SQ. YD.
TACK COAT - 0.08 GALLONS PER SQ. YD.

BASE:
8" LIMEROCK BASE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180), LIMEROCK BASE TO CONFORM WITH THE REQUIREMENTS OF FDOT SPECIFICATIONS SECTIONS 200 AND 911.

SUBGRADE:
12" STABILIZED SUBGRADE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180); MINIMUM LBR = 40.



NOTE:
ALL TYPE "D" CURB SHALL BE IN ACCORDANCE WITH THE STANDARD REQUIREMENTS OF FDOT INDEX 300.



1

ASPHALT PAVEMENT DETAIL

SCALE: NOT TO SCALE

2

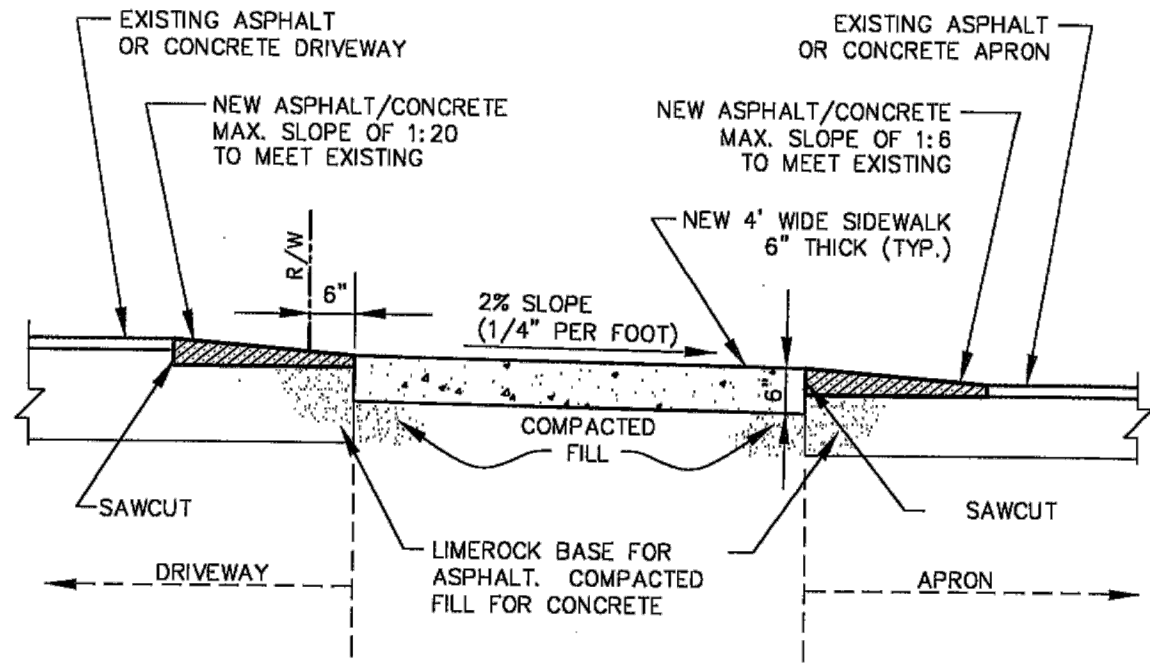
TYPE 'D' CURB DETAIL

SCALE: NOT TO SCALE

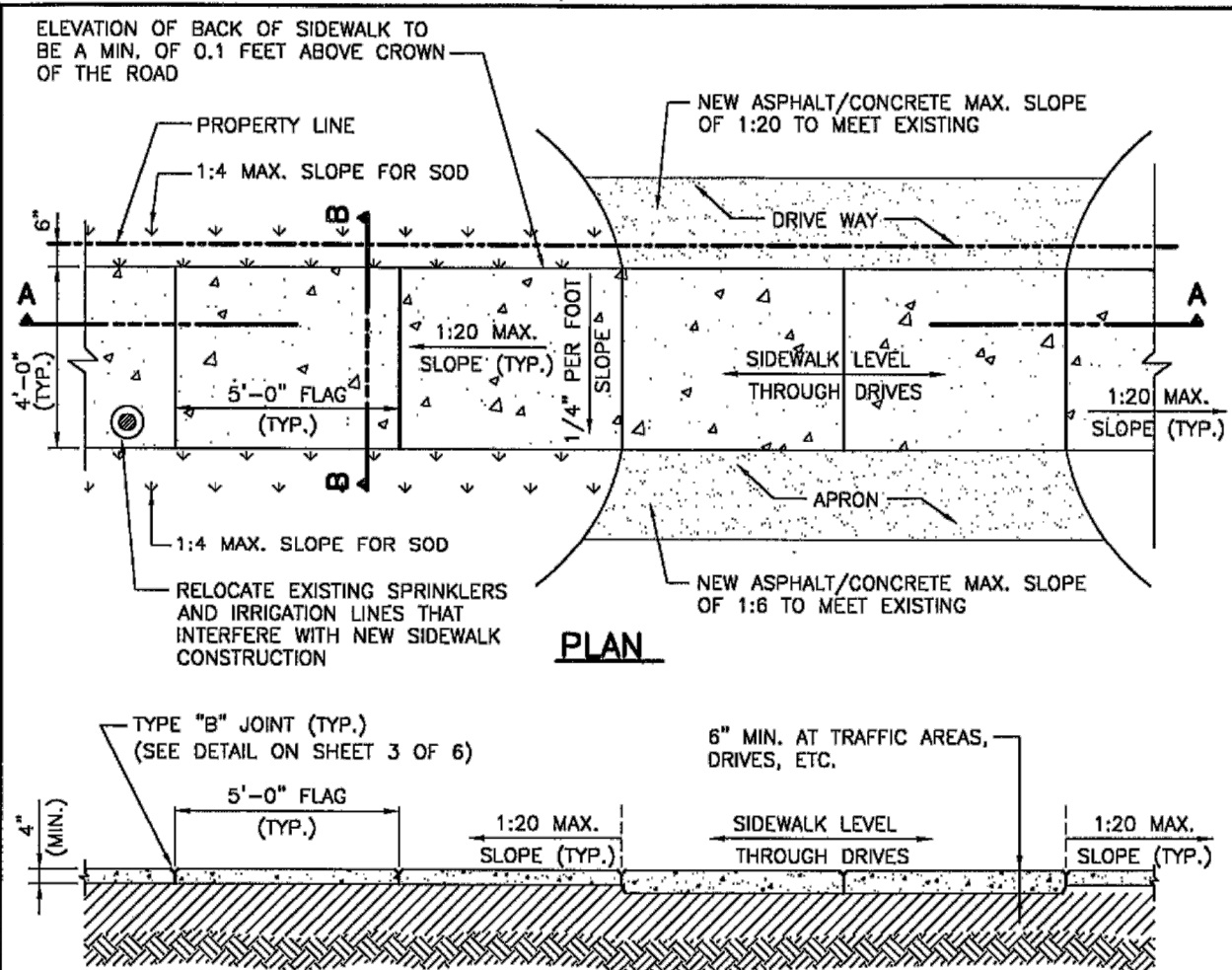
3

CURB & GUTTER FLARED AND STRAIGHT ENDS

SCALE: NOT TO SCALE



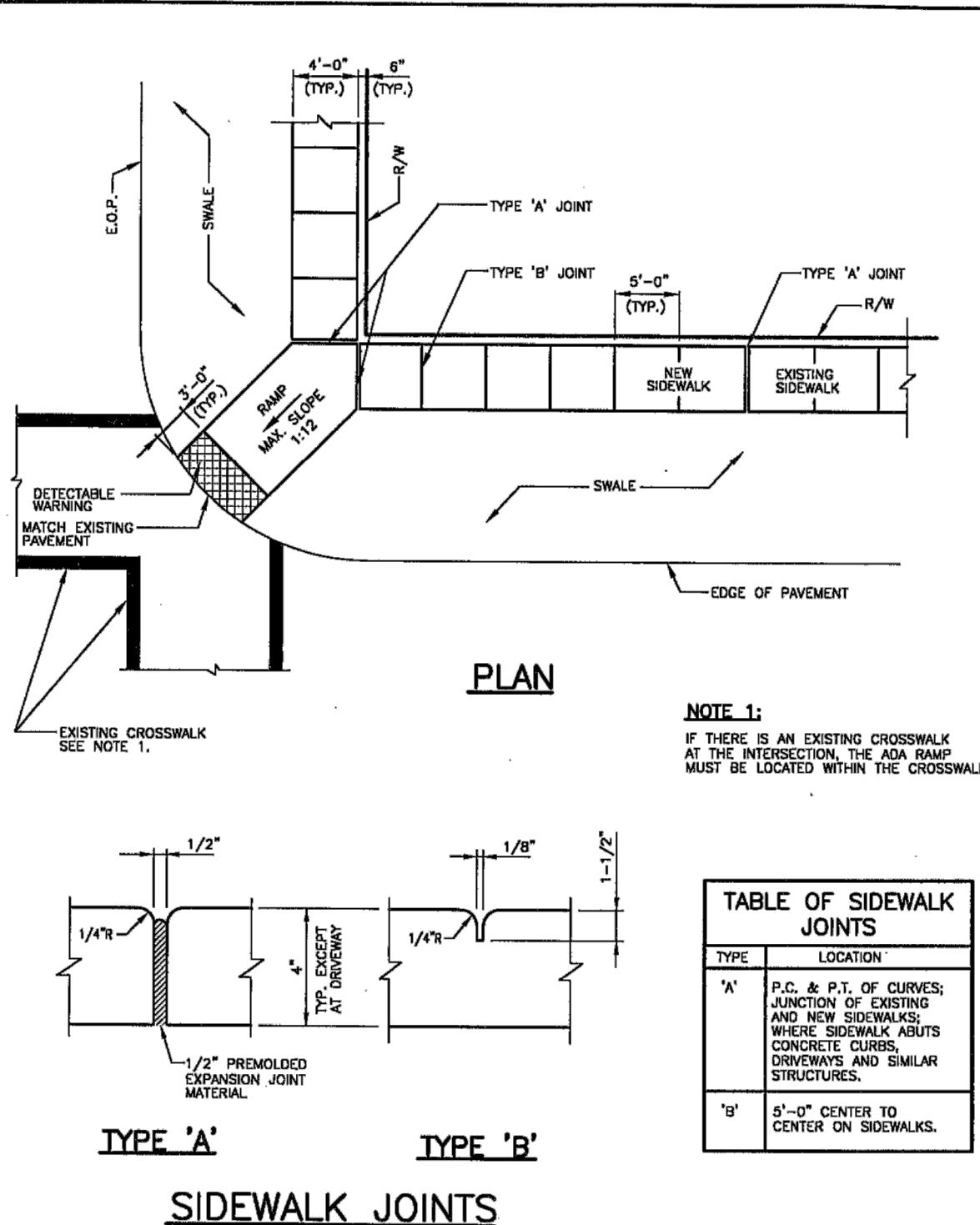
SECTIONAL VIEW AT DRIVES



SECTION A-A

SECTION B-B

NOTE:
ALL SIDEWALK CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF THE SIDEWALK.



NOTE 1:
IF THERE IS AN EXISTING CROSSWALK AT THE INTERSECTION, THE ADA RAMP MUST BE LOCATED WITHIN THE CROSSWALK.

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. & P.T. OF CURVES; JUNCTION OF EXISTING AND NEW SIDEWALKS; WHERE SIDEWALKS ABUT CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS.

CITY OF HOLLYWOOD, FLORIDA DEPARTMENT OF ECONOMIC DEVELOPMENT AND DEVELOPMENT ADMINISTRATION ENGINEERING DIVISION		DESIGNED BY	SCALE	N.T.S.	APPROVED BY
DRAWN BY		PROJECT No.	CITY ENGINEER		
CHECKED BY		ACCT. No.	SHEET No.		
DATE		CADD/DWG No.	SFTY2_SWKDET		
03/28/01		CF	6 SHEETS		

CITY OF HOLLYWOOD, FLORIDA DEPARTMENT OF ECONOMIC DEVELOPMENT AND DEVELOPMENT ADMINISTRATION ENGINEERING DIVISION		DESIGNED BY	SCALE	N.T.S.	APPROVED BY
DRAWN BY		PROJECT No.	CITY ENGINEER		
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DATE		CADD/DWG No.	SFTY2_SWKDET		
03/28/01		CF	6 SHEETS		



301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

PH: (954) 788-3400

Florida Certificate of
Authorization # - 7928

BID / CONTRACT NO. :

REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN
NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED
AND ARE SUBJECT TO REVISIONS MADE
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RESPONSIBILITY FOR THE USE OF THESE
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OVER THE PROJECT WILL FALL SOLELY
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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED

DATE ISSUED: FEBRUARY 2018

DRAWN BY: MC

DESIGNED BY: SB

CHECKED BY: JT

SHEET TITLE

PAVING, GRADING,
AND DRAINAGE
DETAILS

SHEET NUMBER

CP-501

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00



1

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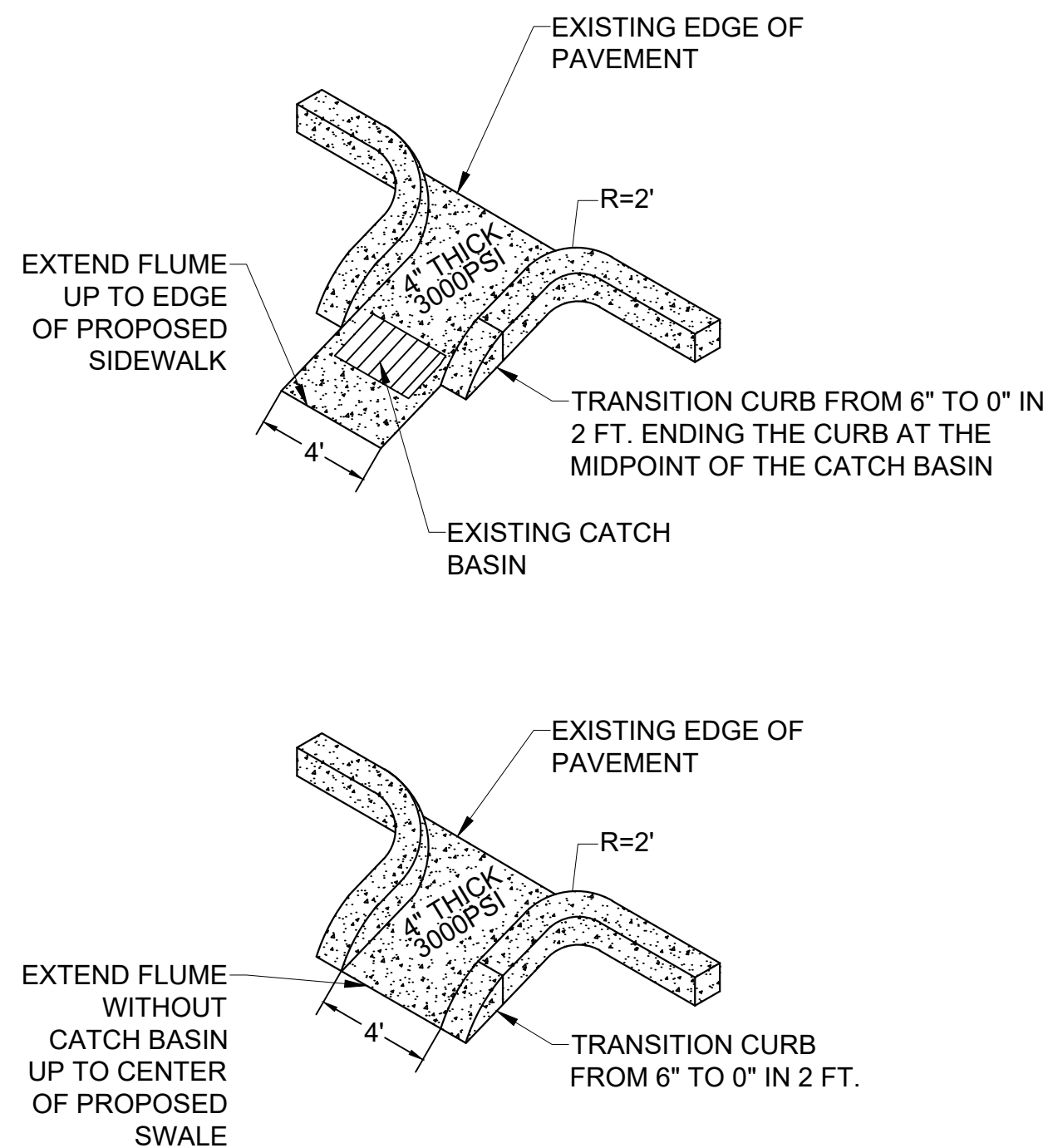
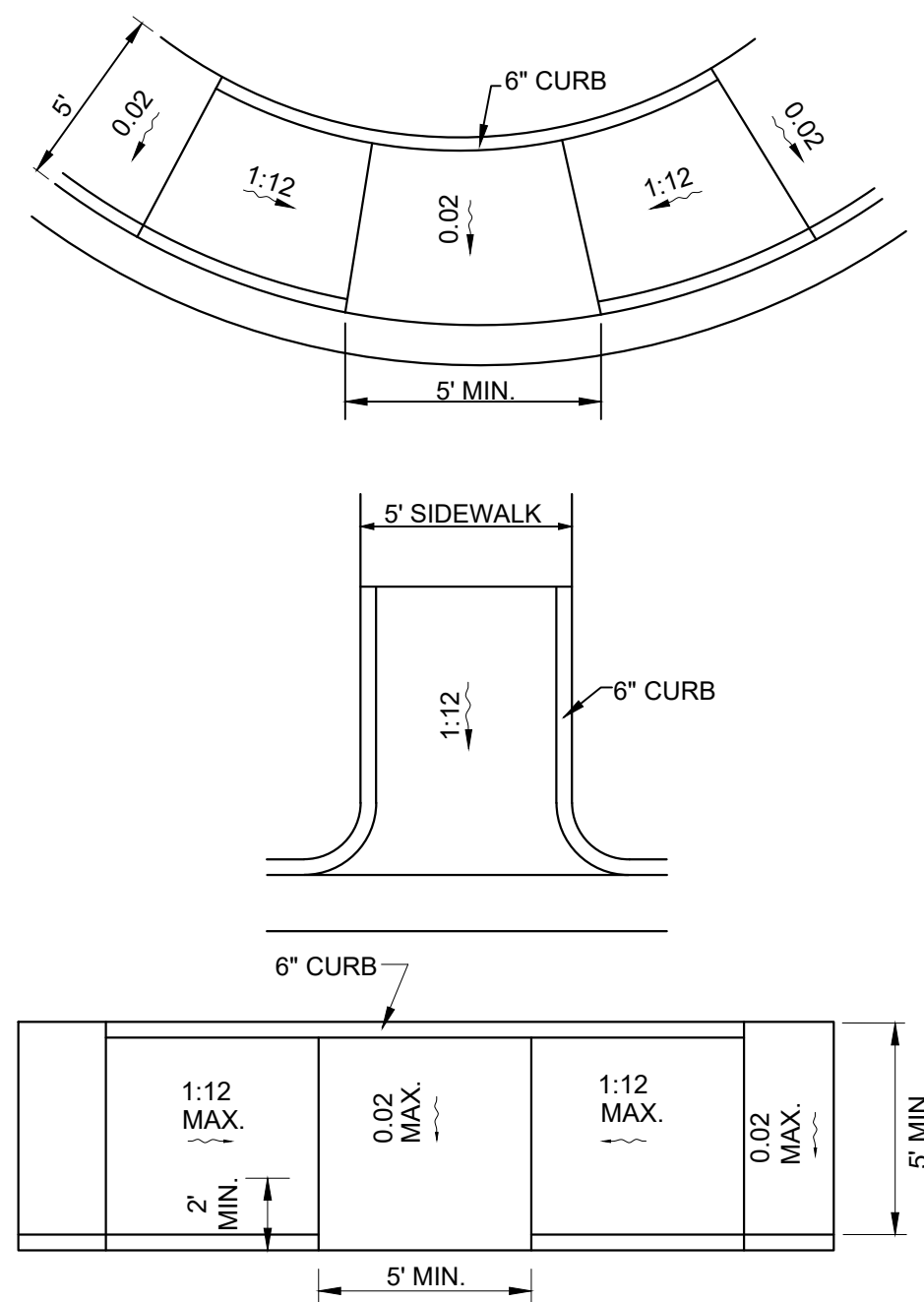
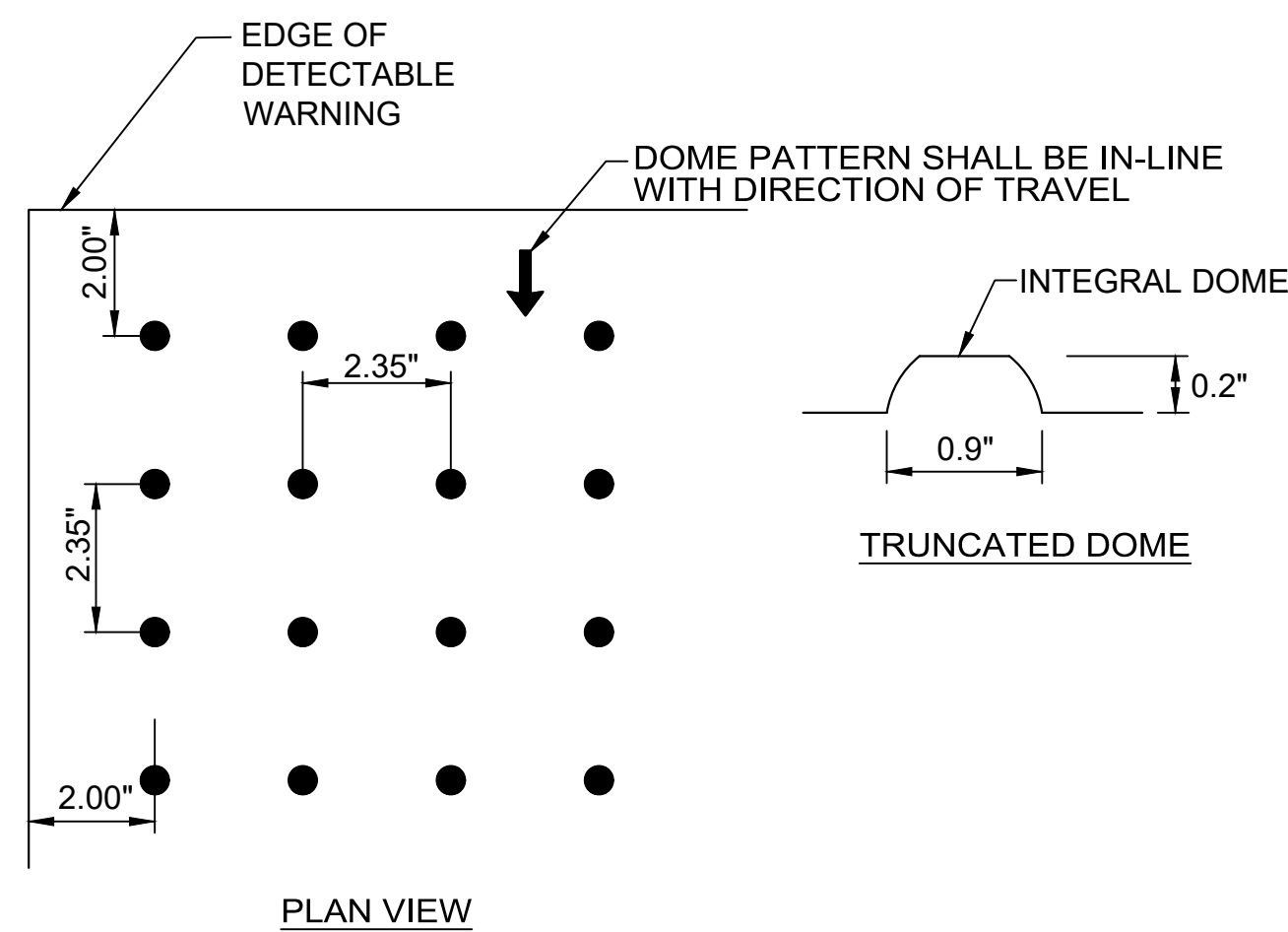
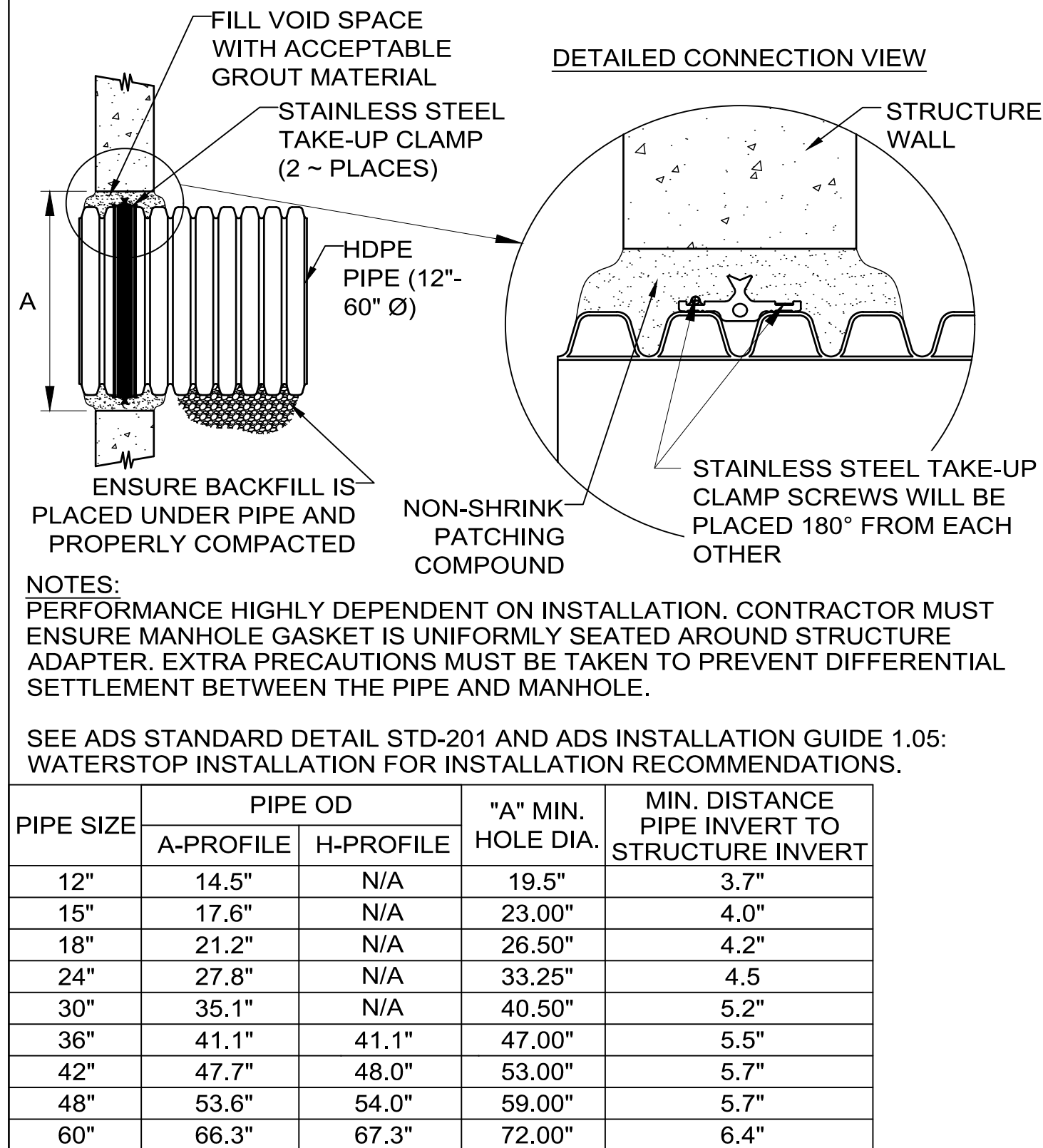
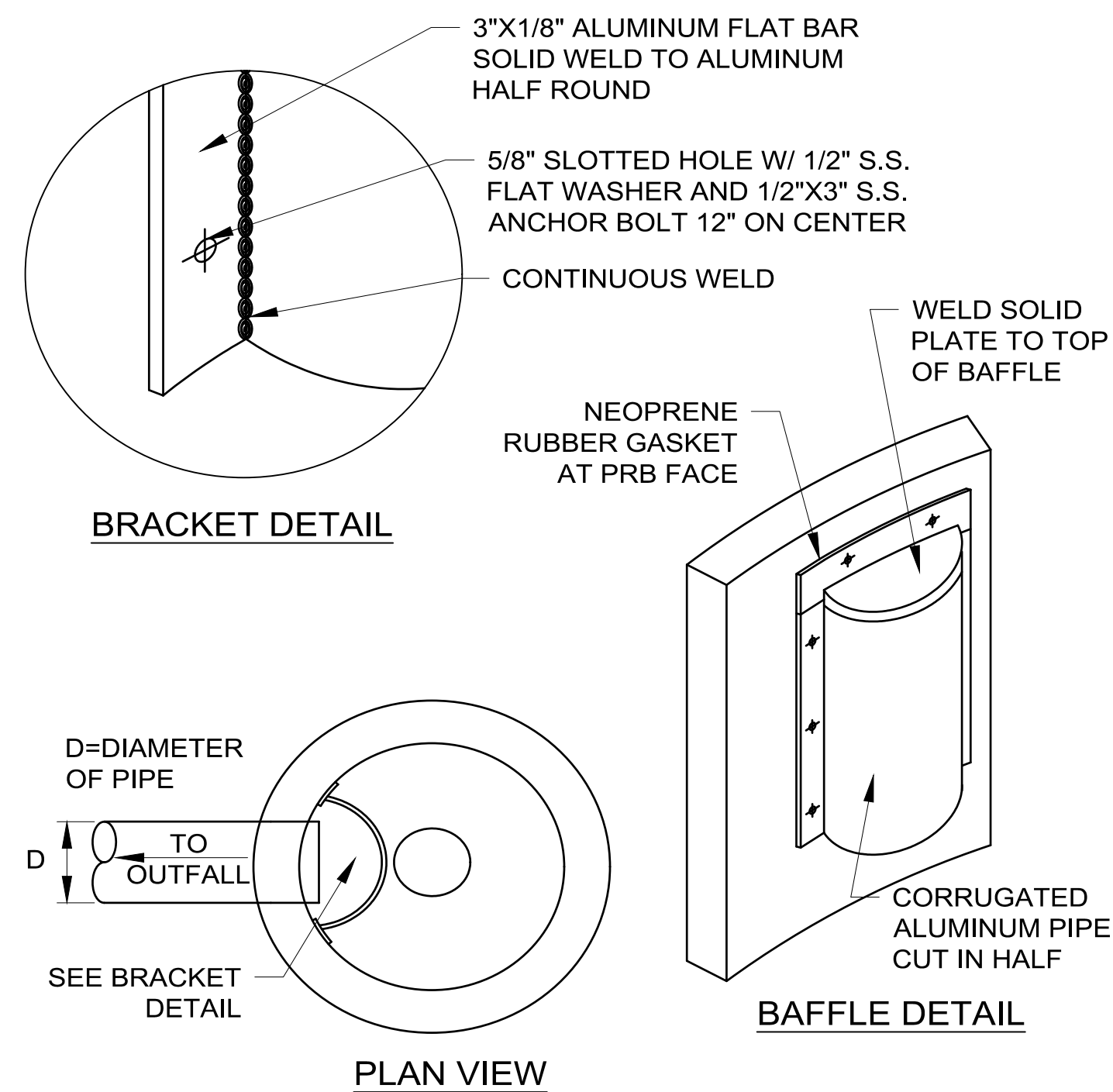
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Florida Certificate of
Authorization # - 7928

PROJECT NO. 10067.00

Drawing name: N:\1010067.00 - Pinnacle at Rescald - PHG\Engineering\Cadd\10067.00 CP-501 Paving Grading & Drainage Details.dwg
 Layout Name: CP-502
 Plotted by: montross
 Plotted on: Mar 02, 2018 - 3:28pm



KEITH
& ASSOCIATES, INC.
consulting engineers

301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

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Doral, Florida 33122

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Florida Certificate of
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BID / CONTRACT NO. :

[illegible]

PRELIMINARY PLAN
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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE:	AS NOTED
DATE ISSUED:	FEBRUARY 2018
DRAWN BY:	MC
DESIGNED BY:	SB
CHECKED BY:	JT

JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

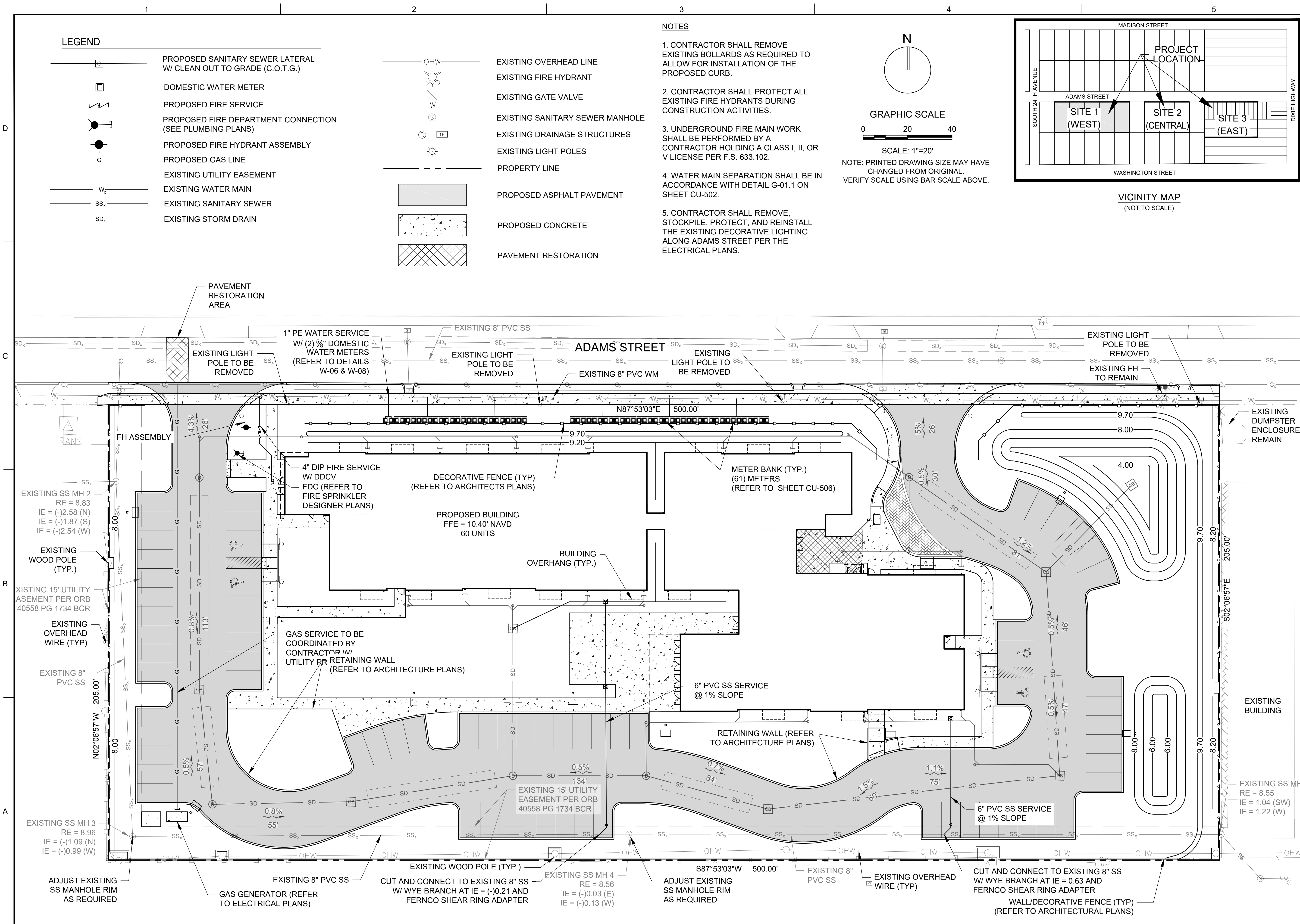
SHEET TITLE

PAVING, GRADING,
AND DRAINAGE
DETAILS

SHEET NUMBER
CP-503

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

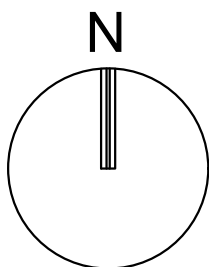


LEGEND

- PROPOSED SANITARY SEWER LATERAL
W/ CLEAN OUT TO GRADE (C.O.T.G.)
- DOMESTIC WATER METER
- PROPOSED FIRE SERVICE
- PROPOSED FIRE DEPARTMENT CONNECTION
(SEE PLUMBING PLANS)
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED GAS LINE
- EXISTING UTILITY EASEMENT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING OVERHEAD LINE
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DRAINAGE STRUCTURES
- EXISTING LIGHT POLES
- PROPERTY LINE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PAVEMENT RESTORATION

NOTES

1. CONTRACTOR SHALL REMOVE EXISTING BOLLARDS AS REQUIRED TO ALLOW FOR INSTALLATION OF THE PROPOSED CURB.
2. CONTRACTOR SHALL PROTECT ALL EXISTING FIRE HYDRANTS DURING CONSTRUCTION ACTIVITIES.
3. UNDERGROUND FIRE MAIN WORK SHALL BE PERFORMED BY A CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER F.S. 633.102.
4. WATER MAIN SEPARATION SHALL BE IN ACCORDANCE WITH DETAIL G-01.1 ON SHEET CU-502.
5. CONTRACTOR SHALL REMOVE, STOCKPILE, PROTECT, AND REINSTALL THE EXISTING DECORATIVE LIGHTING ALONG ADAMS STREET PER THE ELECTRICAL PLANS.

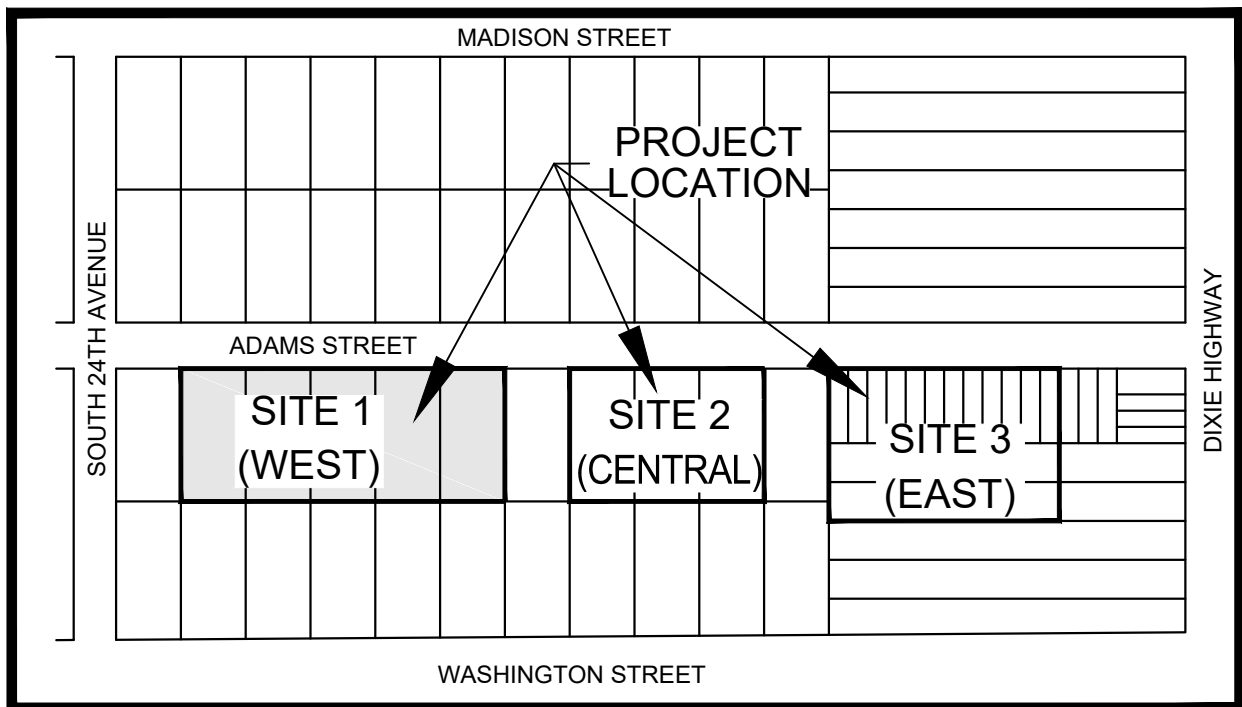


GRAPHIC SCALE

0 20 40

SCALE: 1"=20'

NOTE: PRINTED DRAWING SIZE MAY HAVE
CHANGED FROM ORIGINAL.
VERIFY SCALE USING BAR SCALE ABOVE.



VICINITY MAP
(NOT TO SCALE)



301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

PH: (954) 788-3400

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BID / CONTRACT NO. :

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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED

DATE ISSUED: FEBRUARY 2018

DRAWN BY: MC

DESIGNED BY: SB

CHECKED BY: JT

JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

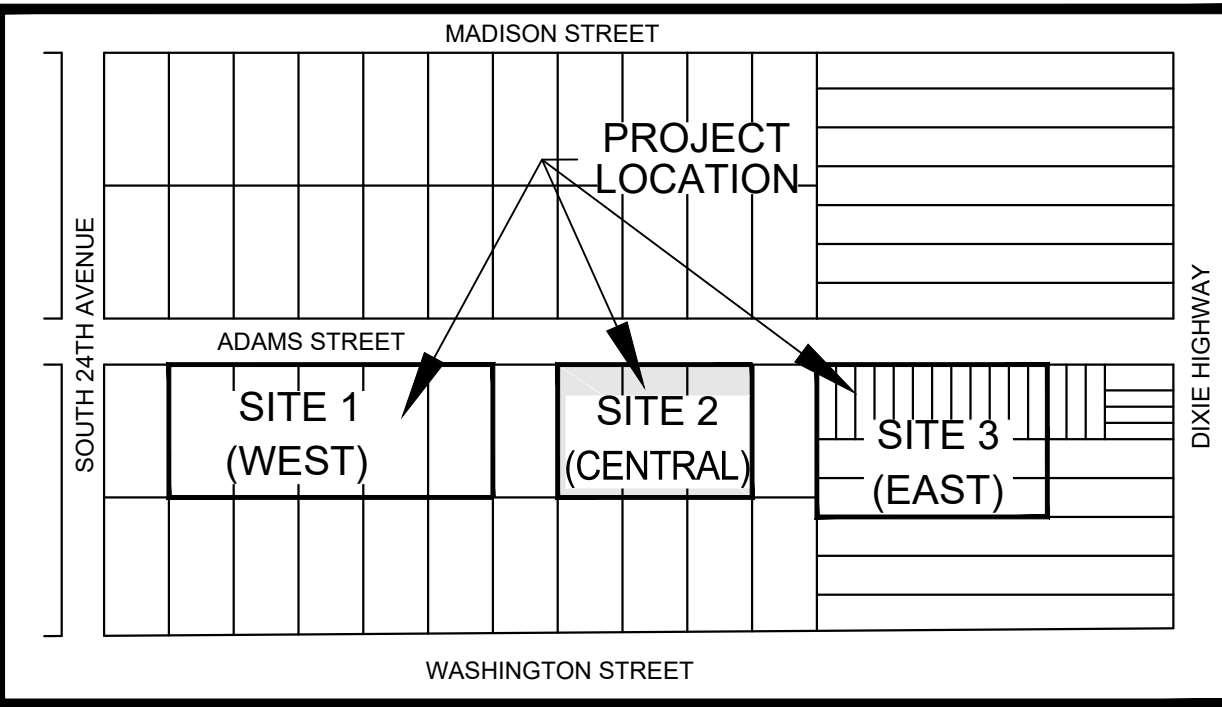
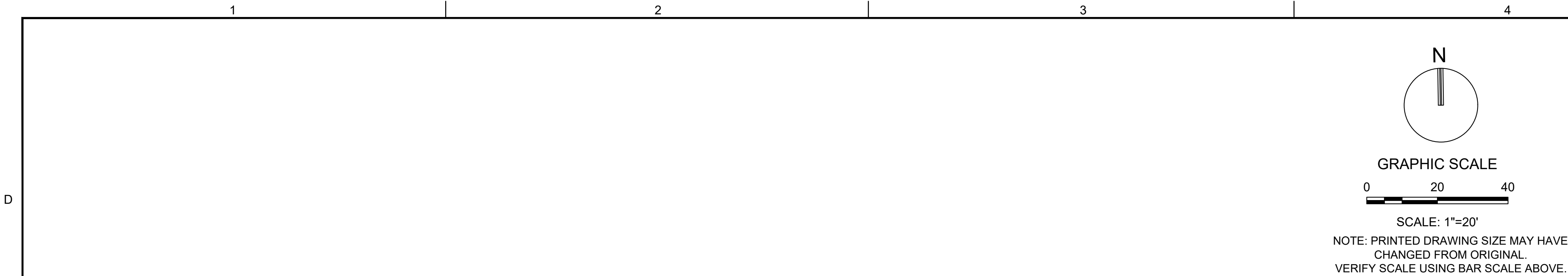
SCHEMATIC WATER
AND SEWER PLAN
SITE 1 (WEST)

SHEET NUMBER

CU-101

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00



VICINITY MAP
(NOT TO SCALE)

LEGEND

- PROPOSED SANITARY SEWER LATERAL W/ CLEAN OUT TO GRADE (C.O.T.G.)
- DOMESTIC WATER METER
- DOUBLE DETECTOR CHECK VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION (SEE PLUMBING PLANS)
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED GAS LINE
- EXISTING UTILITY EASEMENT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING OVERHEAD LINE
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DRAINAGE STRUCTURES
- EXISTING LIGHT POLES
- PROPERTY LINE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PAVEMENT RESTORATION
- # OF PROPOSED METERS

NOTES

1. CONTRACTOR SHALL REMOVE EXISTING BOLLARDS AS REQUIRED TO ALLOW FOR INSTALLATION OF THE PROPOSED CURB.
2. CONTRACTOR SHALL PROTECT ALL EXISTING FIRE HYDRANTS DURING CONSTRUCTION ACTIVITIES.
3. UNDERGROUND FIRE MAIN WORK SHALL BE PERFORMED BY A CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER F.S. 633.102.
4. WATER MAIN SEPARATION SHALL BE IN ACCORDANCE WITH DETAIL G-01.1 ON SHEET CU-502.
5. CONTRACTOR SHALL REMOVE, STOCKPILE, PROTECT, AND REINSTALL THE EXISTING DECORATIVE LIGHTING ALONG ADAMS STREET PER THE ELECTRICAL PLANS.

KEITH & ASSOCIATES, INC.
consulting engineers

301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

PH: (954) 788-3400

Florida Certificate of
Authorization # - 7928

BID / CONTRACT NO. :

REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN
NOT FOR CONSTRUCTION

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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED
DATE ISSUED: FEBRUARY 2018
DRAWN BY: MC
DESIGNED BY: SB
CHECKED BY: JT

JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

**SCHEMATIC WATER
AND SEWER PLAN
SITE 2 (CENTRAL)**

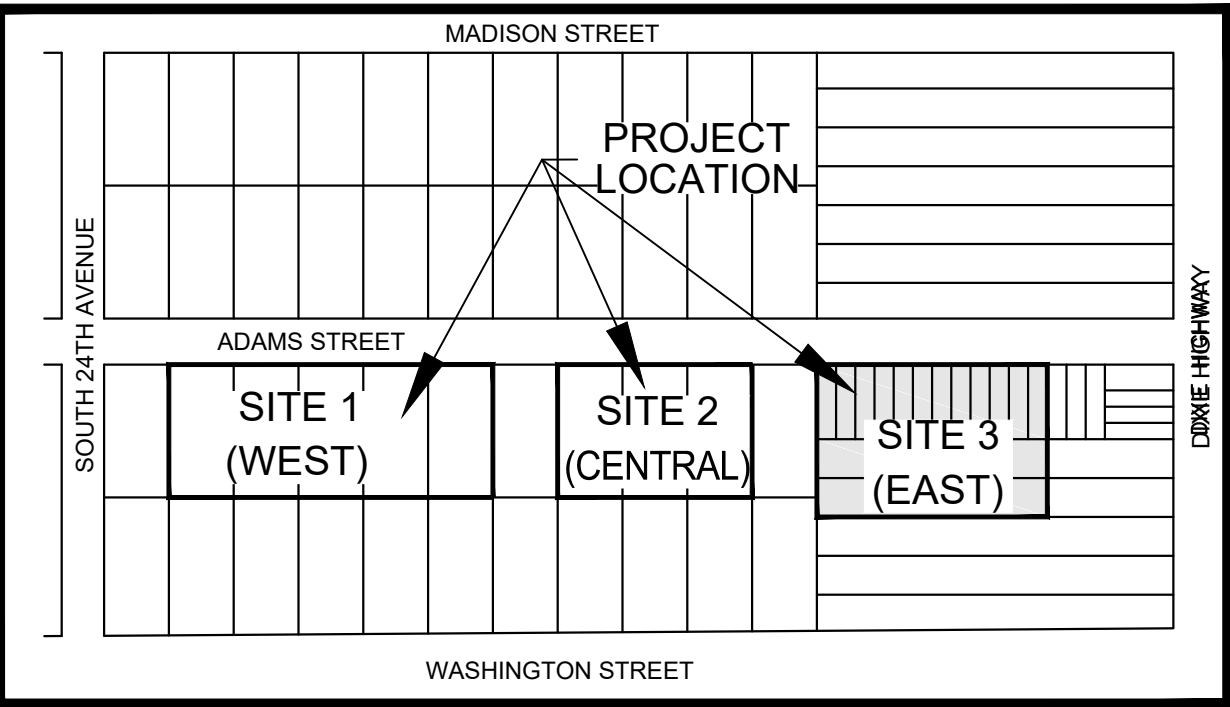
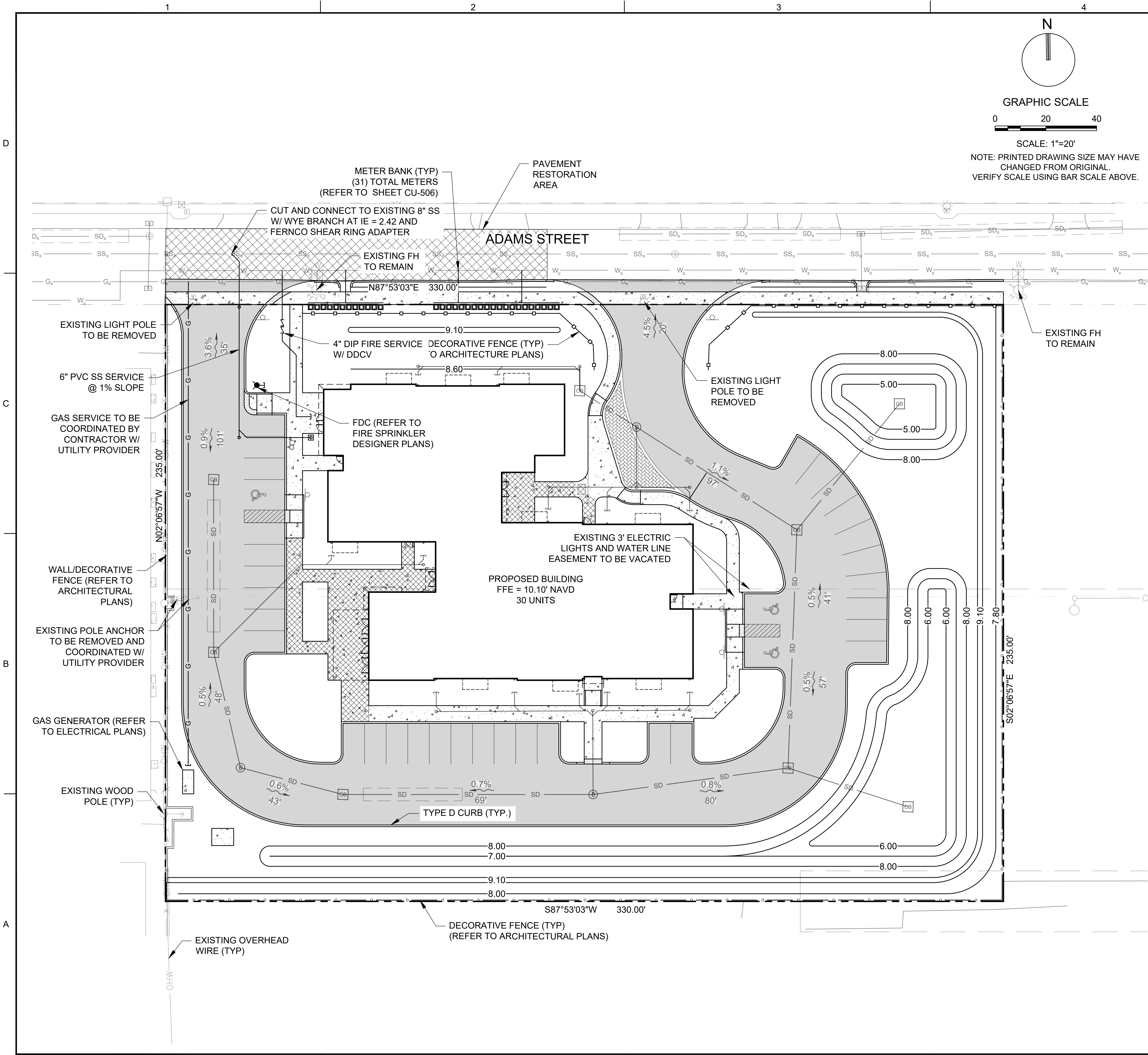
SHEET NUMBER

CU-102

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

Drawing name: N:\1010067.00 - Pinnacle at Peacefield - PHCEEngineering\Cuad10067.00 CU-101 W&S Plans.dwg Printed on: Mar 02, 2018 - 3:40pm Layout Name: CU-102 Plotted by: mcarlosa



VICINITY MAP
(NOT TO SCALE)

LEGEND

- PROPOSED SANITARY SEWER LATERAL
W/ CLEAN OUT TO GRADE (C.O.T.G.)
- DOMESTIC WATER METER
- PROPOSED FIRE SERVICE
- PROPOSED FIRE DEPARTMENT CONNECTION
(SEE PLUMBING PLANS)
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED GAS LINE
- PROPOSED UTILITY EASEMENT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EXISTING OVERHEAD LINE
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DRAINAGE STRUCTURES
- EXISTING LIGHT POLES
- PROPERTY LINE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PAVEMENT RESTORATION

NOTES

- CONTRACTOR SHALL REMOVE EXISTING BOLLARDS AS REQUIRED TO ALLOW FOR INSTALLATION OF THE PROPOSED CURB.
- CONTRACTOR SHALL PROTECT ALL EXISTING FIRE HYDRANTS DURING CONSTRUCTION ACTIVITIES.
- UNDERGROUND FIRE MAIN WORK SHALL BE PERFORMED BY A CONTRACTOR HOLDING A CLASS I, II, OR V LICENSE PER F.S. 633.102.
- WATER MAIN SEPARATION SHALL BE IN ACCORDANCE WITH DETAIL G-01.1 ON SHEET CU-502.
- CONTRACTOR SHALL REMOVE, STOCKPILE, PROTECT, AND REINSTALL THE EXISTING DECORATIVE LIGHTING ALONG ADAMS STREET PER THE ELECTRICAL PLANS.

KEITH & ASSOCIATES, INC.
consulting engineers

301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

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Florida Certificate of
Authorization # - 7928

BID / CONTRACT NO. :

REVISIONS		
NO.	DESCRIPTION	DATE

**PRELIMINARY PLAN
NOT FOR CONSTRUCTION**
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ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED
DATE ISSUED: FEBRUARY 2018
DRAWN BY: MC
DESIGNED BY: SB
CHECKED BY: JT

SHEET TITLE
**SCHEMATIC WATER
AND SEWER PLAN
SITE 3 (EAST)**

SHEET NUMBER
CU-103

PRELIMINARY TAC SUBMITTAL

PROJECT NO. **10067.00**

Drawing name: N:\1010067.00 - Pinnacle at Peacefield - PHCEEngineering\Custom\10067.00 CU-103 W&S Plans.dwg Printed on: Mar 02, 2018 - 9:41 am Layout Name: CU-103 Plotted by: mcarlissa

D


C

B

A


GENERAL NOTES:

- THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF HOLLYWOOD DEPARTMENT OF PUBLIC UTILITIES, ENGINEERING AND CONSTRUCTION SERVICES DIVISION (ECSO), AND ALL OTHER LOCAL, STATE AND NATIONAL CODES, WHERE APPLICABLE.
- LOCATIONS, ELEVATIONS, SIZES, MATERIALS, ALIGNMENTS, AND DIMENSIONS OF EXISTING FACILITIES, UTILITIES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS; AND DO NOT PURPORT TO BE ABSOLUTELY CORRECT. ALSO, THERE MAY HAVE BEEN OTHER IMPROVEMENTS, UTILITIES, ETC., WITHIN THE PROJECT AREA WHICH WERE CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS AND/OR THE ORIGINAL SITE SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND OTHER FEATURES AFFECTING HIS/HER WORK PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY FACILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL WORK AS NEEDED TO AVOID CONFLICT WITH EXISTING UTILITIES (NO ADDITIONAL COST SHALL BE PAID FOR THIS WORK). EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE RESPECTIVE UTILITY OWNER.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES TO ARRANGE FOR THE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT, AND TO ENSURE THAT EXISTING UTILITIES ARE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS APPROVED OTHERWISE BY THE UTILITY OWNER.
- CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND-HOLES, PULL-BOXES, STORMWATER INLETS, AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAID WITH ASPHALT PAVEMENT.
- THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION AND ENVIRONMENTAL PERMITS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY ECSO AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, SHOP DRAWINGS SHALL BE SUBMITTED TO ECSO IN ACCORDANCE WITH THE CONTRACT DOCUMENT'S REQUIREMENTS, FOR APPROVAL. IN ADDITION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY OTHER AGENCY SHOP DRAWING APPROVAL, IF REQUIRED.
- THE CONTRACTOR SHALL NOTIFY ECSO IMMEDIATELY FOR ANY CONFLICT ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ELEVATIONS SHOWN ARE IN FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL GENERAL NOTES	REVISED: 06/08/2014 DRAWING NO. G-00
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GENERAL NOTES (CONTINUED):

- CITY OF HOLLYWOOD SHALL NOT PROVIDE STAGING / STORAGE AREA. CONTRACTOR SHALL SECURE STAGING / STORAGE AREA AS NECESSARY FOR CONSTRUCTION WORK.
- CONTRACTOR SHALL HAUL AWAY EXCESSIVE STOCKPILE OF SOIL FOR DISPOSAL EVERY DAY. NO STOCKPILE SOIL IS ALLOWED TO BE LEFT ON THE CONSTRUCTION SITE OVER NIGHT.
- CONTRACTOR SHALL CLEAN / SWEEP THE ROAD AT LEAST ONCE DAY OR AS REQUIRED BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT CATCH BASINS WITHIN / ADJACENT TO THE CONSTRUCTION SITE AS REQUIRED BY NPDES REGULATIONS.
- THE CITY OF HOLLYWOOD HAS A NOISE ORDINANCE (CHAPTER 100) WHICH PROHIBITS EXCAVATION AND CONSTRUCTION BEFORE 8:00 A.M. AND AFTER 6:00 P.M., MONDAY THROUGH SATURDAY AND ALL DAY SUNDAY.
- SUITABLE EXCAVATED MATERIAL SHALL BE USED IN FILL AREAS. NO SEPARATE PAY ITEM FOR THIS WORK, INCLUDE COST IN OTHER ITEMS.
- ALL ROAD CROSSINGS ARE OPEN CUT AS PER THE REQUIREMENTS OF THE ECSO UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, PARKING LOTS, SIDEWALKS, ETC. TO SATISFY THE INSTALLATION OF THE PROPOSED IMPROVEMENTS WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY ECSO FIELD ENGINEER.
- THE CONTRACTOR SHALL NOT ENCRoACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT. IN CASE WORK ON PRIVATE PROPERTY IS NEEDED, A CITY OF HOLLYWOOD "RIGHT OF ENTRY" FORM MUST BE SIGNED BY PROPERTY OWNER AND THE DIRECTOR OF PUBLIC UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS AT ALL TIMES TO PRIVATE HOMES/BUSINESSES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION, CAUSED TO ANY IRRIGATION SYSTEM (PRIVATE OR PUBLIC) ACCIDENTALLY OR PURPOSELY. THE CONTRACTOR SHALL REPLACE ANY DAMAGED, REMOVED OR MODIFIED IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES TO MATCH OR EXCEED EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE CITY.
- MAIL BOXES, FENCES OR OTHER PRIVATE PROPERTY DAMAGED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REPLACED TO MATCH OR EXCEED EXISTING CONDITION.
- CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FDOT STANDARDS AND CITY OF HOLLYWOOD DEPARTMENT OF PUBLIC UTILITIES STANDARDS.
- NO TREES ARE TO BE REMOVED OR RELOCATED WITHOUT PRIOR APPROVAL FROM THE ECSO FIELD ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY TREE REMOVAL OR RELOCATION PERMITS FROM THE CITY OF HOLLYWOOD BUILDING DEPARTMENT FOR TREES LOCATED IN THE PUBLIC RIGHT OF WAY.
- IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE REGULATORY STANDARDS / REQUIREMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ECSO.

	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL GENERAL NOTES (CONTINUED)	REVISED: 11/06/2017 DRAWING NO. G-00.1
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GENERAL NOTES (CONTINUED):

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS TO EXISTING PAVEMENT, SIDEWALKS, PIPES, CONDUITS, CURBS, CABLES, ETC., WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY AT NO ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
- WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT TO MATCH EXISTING CONDITIONS.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES, OR PARTS OF, EXPOSED OR OPENED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES, WHEN THE CONTRACTOR IS NOT WORKING, UNLESS OTHERWISE DIRECTED. ALL TRENCHES SHALL BE COVERED, FIRMLY SECURED AND MARKED ACCORDINGLY FOR PEDESTRIAN / VEHICULAR TRAFFIC.
- ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF OFF THE PROPERTY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DUCTILE IRON PRODUCTS SHALL BE DOMESTIC MADE HEAVY DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS, OR 20,000 LB.
- ALL GRASSED AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OF THE LATEST REVISION OF FDOT DESIGN STANDARDS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR THE RESETTling OF ALL TRAFFIC CONTROL AND INFORMATION SIGNAGE REMOVED DURING THE CONSTRUCTION PERIOD.
- EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC SAFETY AT ALL TIMES.
- TEMPORARY PATCH MATERIAL MUST BE ON THE JOB SITE WHENEVER PAVEMENT IS CUT, OR THE CITY'S INSPECTOR WILL SHUT THE JOB DOWN.
- CONTRACTOR MUST PROVIDE FLASHER ARROW SIGNAL FOR ANY LANE THAT IS CLOSED OR DIVERTED.
- CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF TRAFFIC DETOUR IN ACCORDANCE WITH SECTION 336.07 OF FLORIDA STATUTES.
- CONTRACTOR TO RESTORE PAVEMENT TO ORIGINAL CONDITION AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DEWATERING PER SPECIFICATION SECTION 02140 DEWATERING.

	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL GENERAL NOTES (CONTINUED)	REVISED: 11/06/2017 DRAWING NO. G-00.2
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301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

PH: (954) 788-3400

Florida Certificate of
Authorization # - 7928

BID / CONTRACT NO. :

REVISIONS

NO.	DESCRIPTION	DATE

**PRELIMINARY PLAN
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RESPONSIBILITY FOR THE USE OF THESE
PLANS PRIOR TO OBTAINING PERMITS
FROM ALL AGENCIES HAVING JURISDICTION
OVER THE PROJECT WILL FALL SOLELY
UPON THE USER.



ADAMS STREET
CITY OF HOLLYWOOD FLORIDA

SCALE: AS NOTED

DATE ISSUED: FEBRUARY 2018

DRAWN BY: MC

DESIGNED BY: SB

CHECKED BY: JT

JAMES A. THIELE, P.E.
FLORIDA REG. NO. 33256
(FOR THE FIRM)

SHEET TITLE

**WATER AND SEWER
DETAILS**

SHEET NUMBER

CU-501

PRELIMINARY TAC SUBMITTAL


PROJECT NO. 10067.00

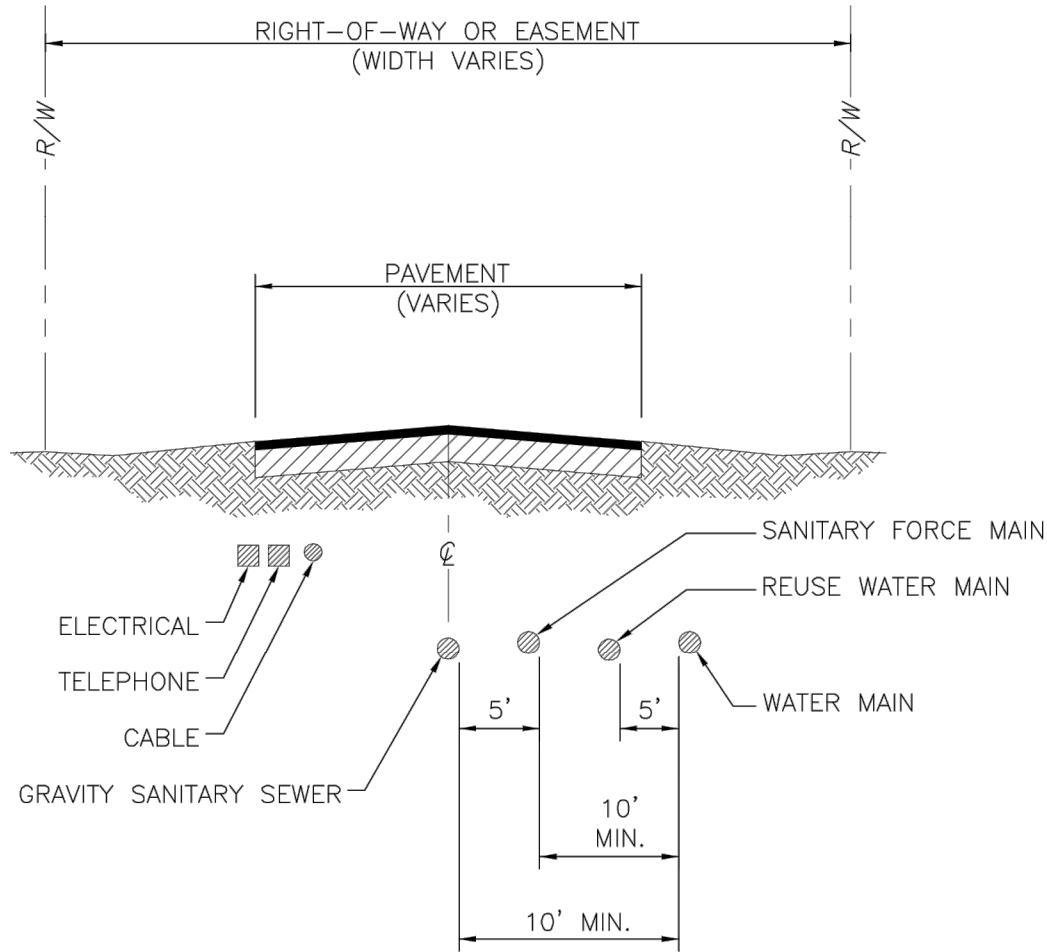
GENERAL NOTES (CONTINUED):


- THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO UTILITY COMPANIES TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 811 OR 1-800-432-4770 (SUNSHINE ONE-CALL OF FLORIDA).



- WHEN PVC PIPE IS USED, A METALLIZED MARKER TAPE SHALL BE INSTALLED CONTINUOUSLY 18" ABOVE THE PIPE. THE MARKER TAPE SHOULD BE IMPRINTED WITH A WARNING THAT THERE IS BURIED PIPE BELOW. THE TAPE SHALL BE MAGNA TEC, AS MANUFACTURED BY THOR ENTERPRISES INC. OR APPROVED EQUAL.
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WATER CONNECTIONS SHALL BE METERED, AND THE COST OF WATER AND TEMPORARY METER SHALL BE BORNE BY THE CONTRACTOR.
- A COMPLETE AS-BUILT SURVEY SHALL BE ACCURATELY RECORDED OF THE UTILITY SYSTEM DURING CONSTRUCTION. AS-BUILT SURVEY SHALL BE SUBMITTED TO ECSO SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF PROJECT. THE COST OF SIGNED AND SEALED AS-BUILTS SHALL BE COVERED IN OVERALL BID. THE AS-BUILT SURVEY SHALL INCLUDE:
 - PLAN VIEW SHOWING THE HORIZONTAL LOCATIONS OF EACH MANHOLE, INLET, VALVE, FITTING, BEND AND HORIZONTAL PIPE DEFLECTIONS WITH COORDINATES AND IN REFERENCE TO A SURVEY BASELINE OR RIGHT-OF-WAY CENTERLINE.
 - THE PLAN VIEW SHALL ALSO SHOW SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERTS (GRAVITY MAINS) AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ALONG MAIN. THE PLAN VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
 - THE PLAN VIEW SHALL ALSO SHOW THE HORIZONTAL SEPARATION FROM UNDERGROUND UTILITIES IMMEDIATELY ADJACENT OR PARALLEL TO THE NEW MAIN.
 - PROFILE VIEW WITH SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERT (GRAVITY MAIN) AND OF THE FINISHED GRADE OR MANHOLE RIM DIRECTLY ABOVE THE MAIN AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ALONG THE MAIN. THE PROFILE VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
 - THE PROFILE VIEW SHALL SHOW ALL UNDERGROUND UTILITIES CROSSING THE NEW MAIN AND THE VERTICAL SEPARATION PROVIDED BETWEEN THAT UNDERGROUND UTILITY AND THE NEW MAIN.
 - ALL CADD FILES MUST BE CREATED FOLLOWING THE CITY OF HOLLYWOOD "SURVEY / AS-BUILT CAD DRAWING STANDARDS"

	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL GENERAL NOTES (CONTINUED)	REVISED: 11/06/2017 DRAWING NO. G-00.3
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	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL TYPICAL UTILITY ACCOMMODATION WITHIN RIGHT-OF-WAY OR EASEMENT	REVISED: 06/08/2014 DRAWING NO. G-01
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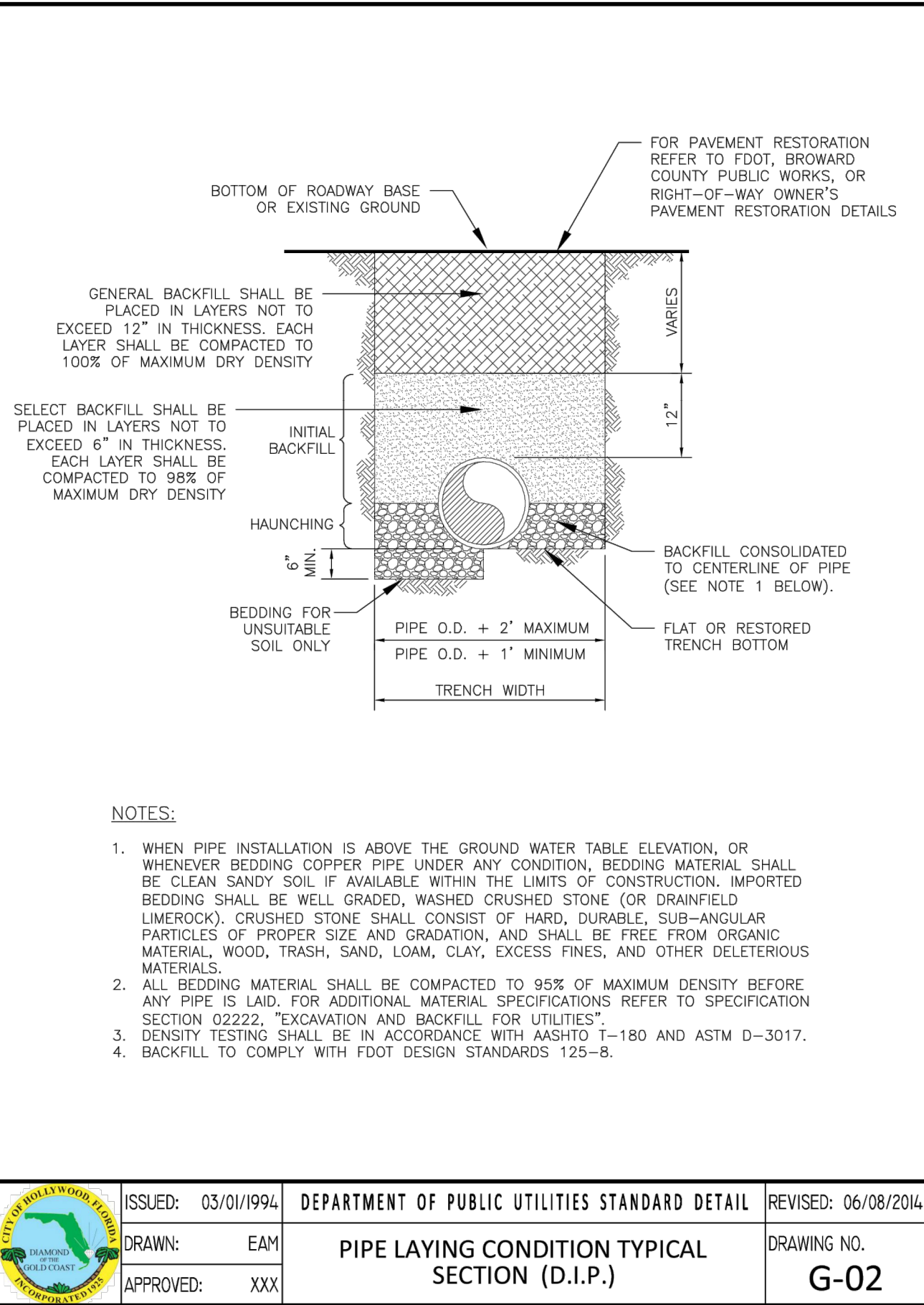
WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314

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

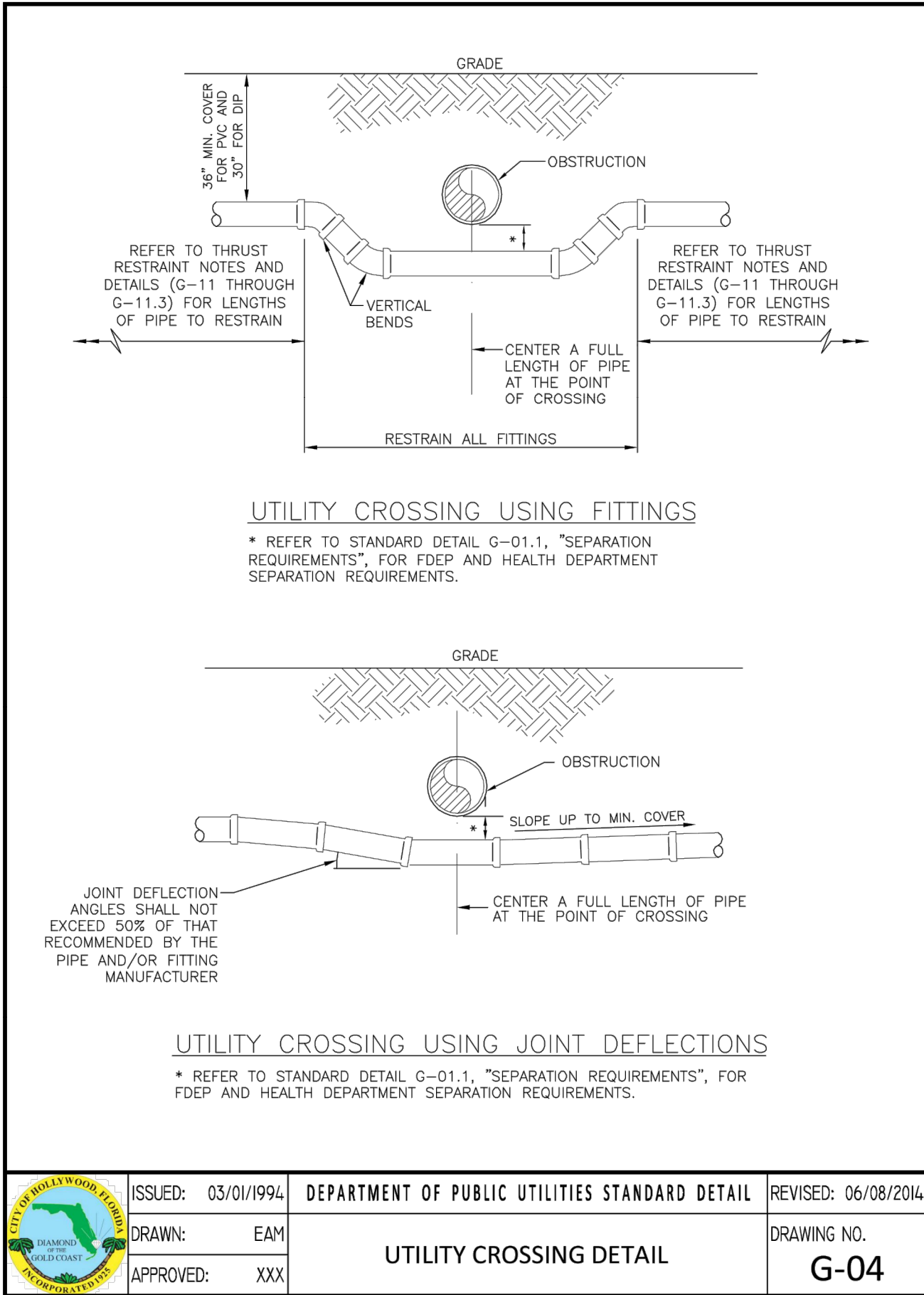
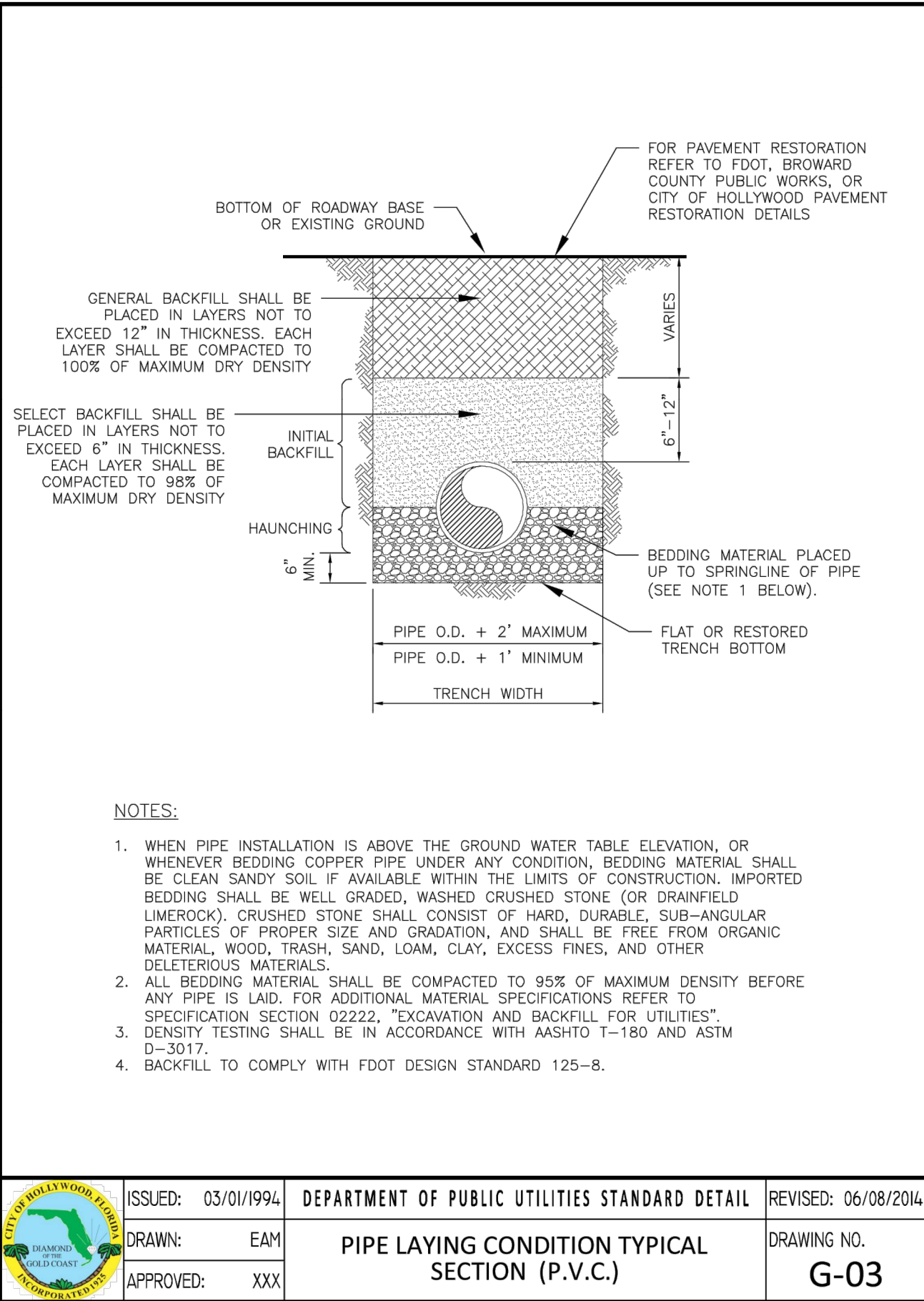
- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- 18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY OF HOLLYWOOD, UNLESS OTHERWISE APPROVED.
- A MINIMUM 6 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN A PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
- ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.

	ISSUED: 03/01/1994 DRAWN: EAM APPROVED: XXX	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL SEPARATION REQUIREMENTS OF F.D.E.P.	REVISED: 11/06/2017 DRAWING NO. G-01.1
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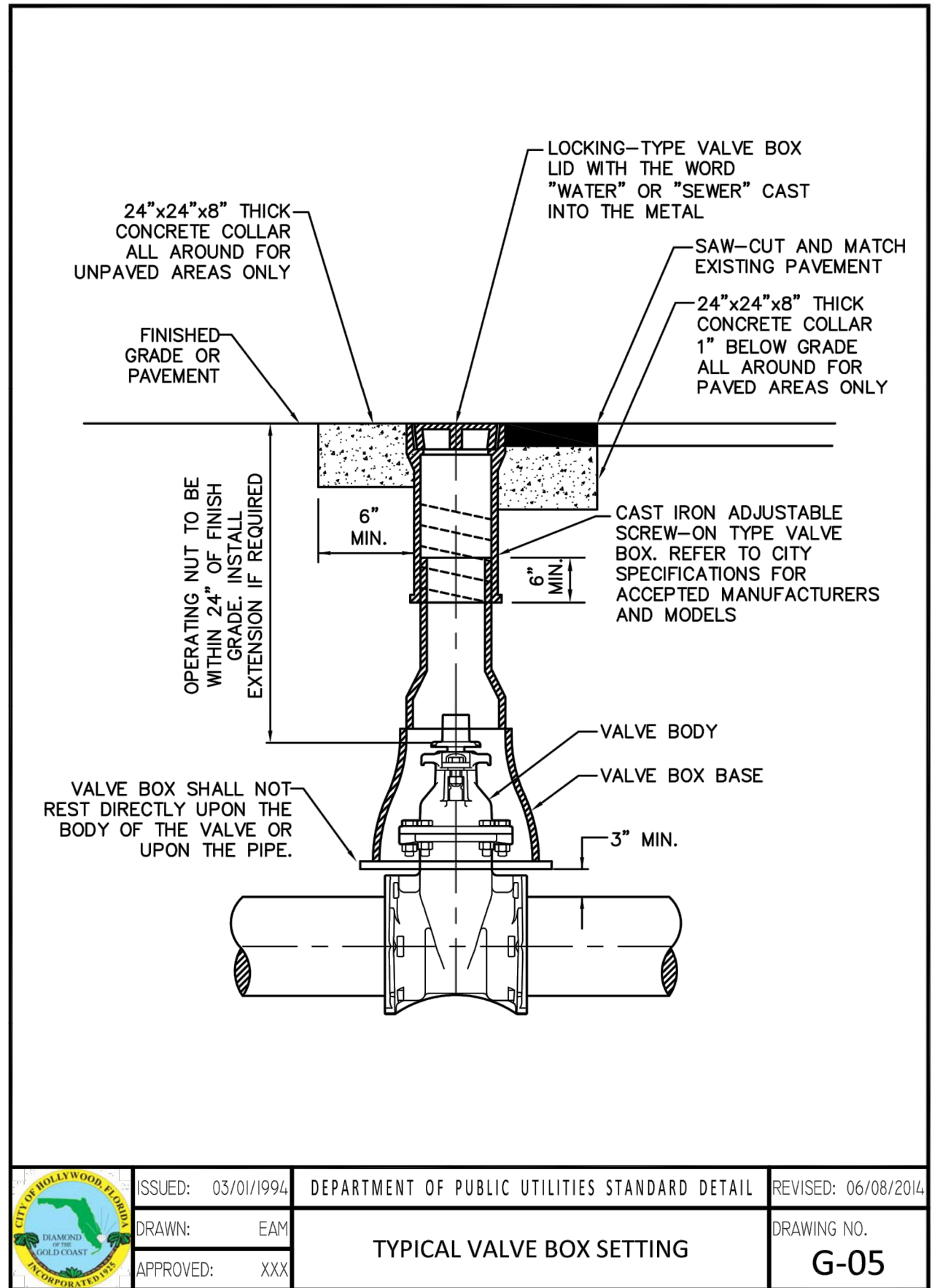
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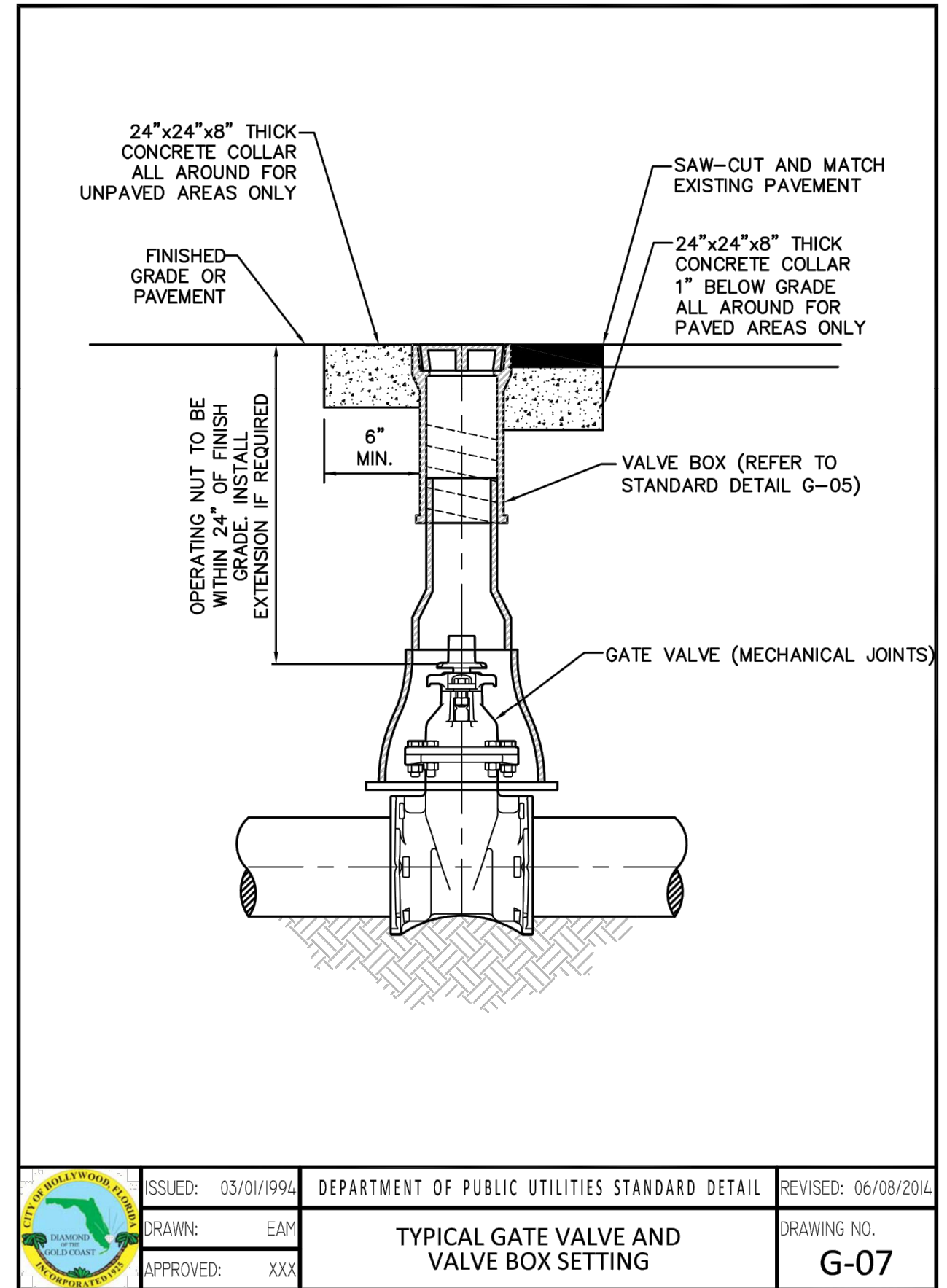
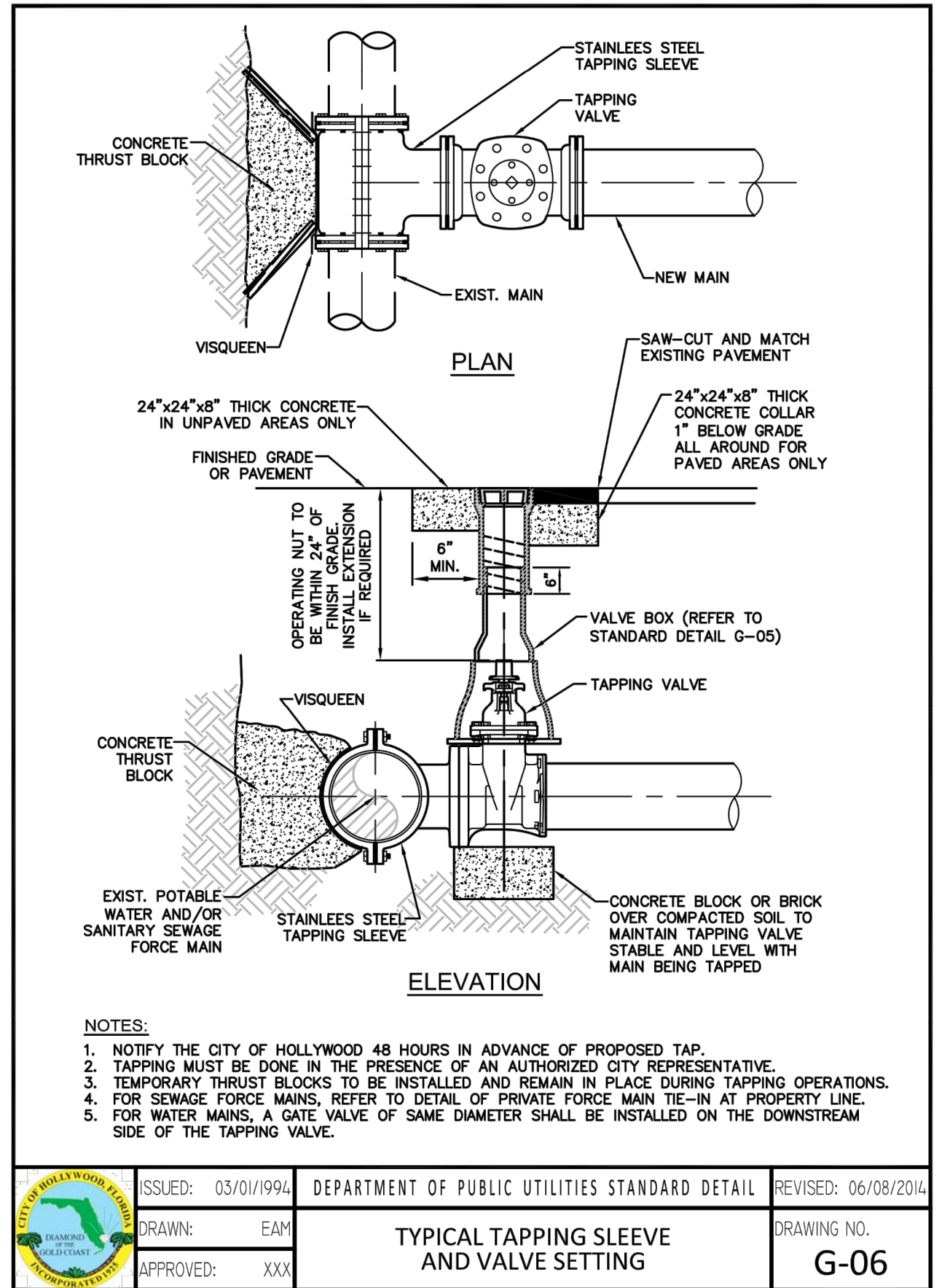
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KEITH & ASSOCIATES, INC.
consulting engineers

301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643

2160 NW 82nd Avenue
Doral, Florida 33122

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CITY OF HOLLYWOOD FLORIDA

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(FOR THE FIRM)

SHEET TITLE

**WATER AND SEWER
DETAILS**

SHEET NUMBER

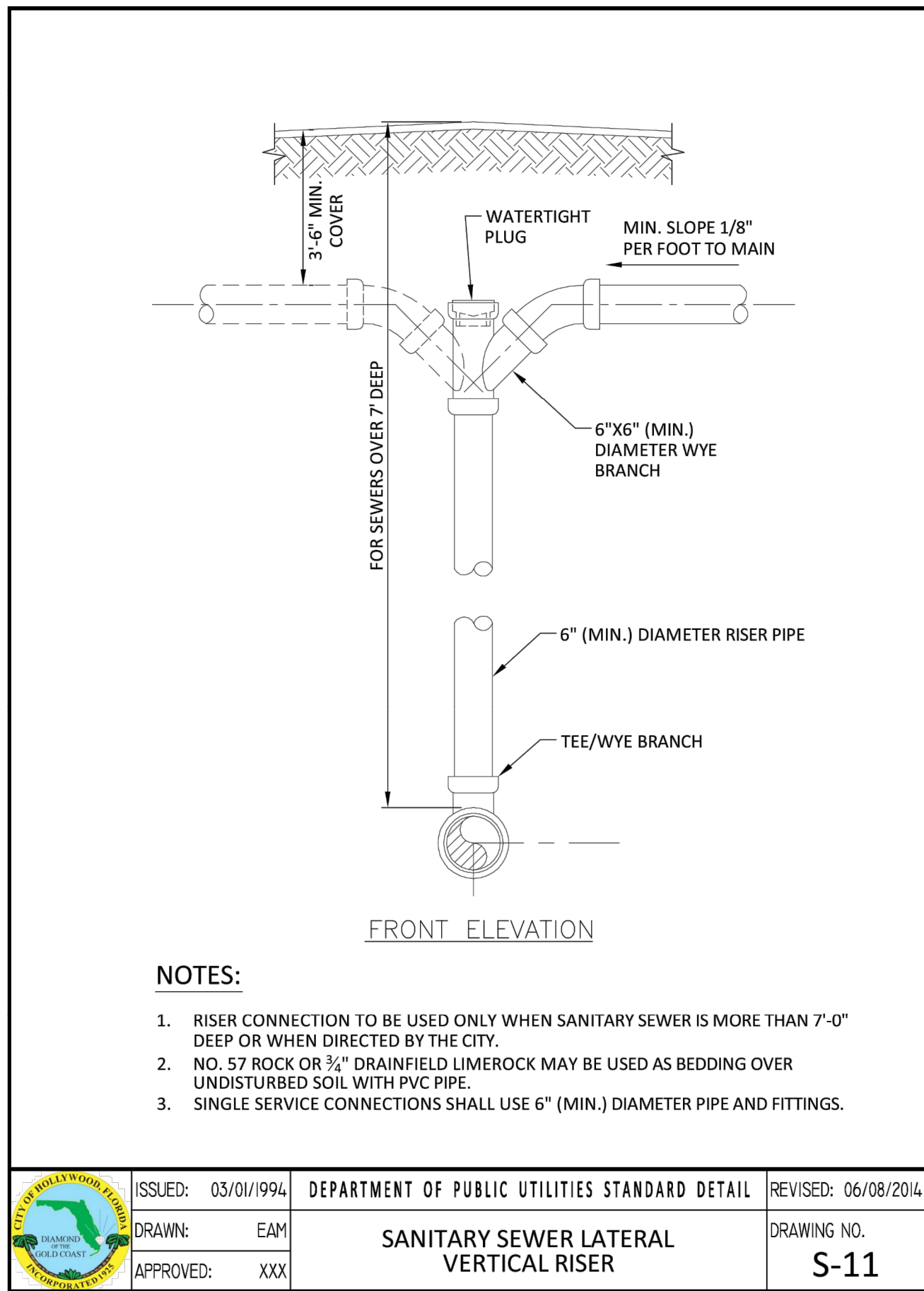
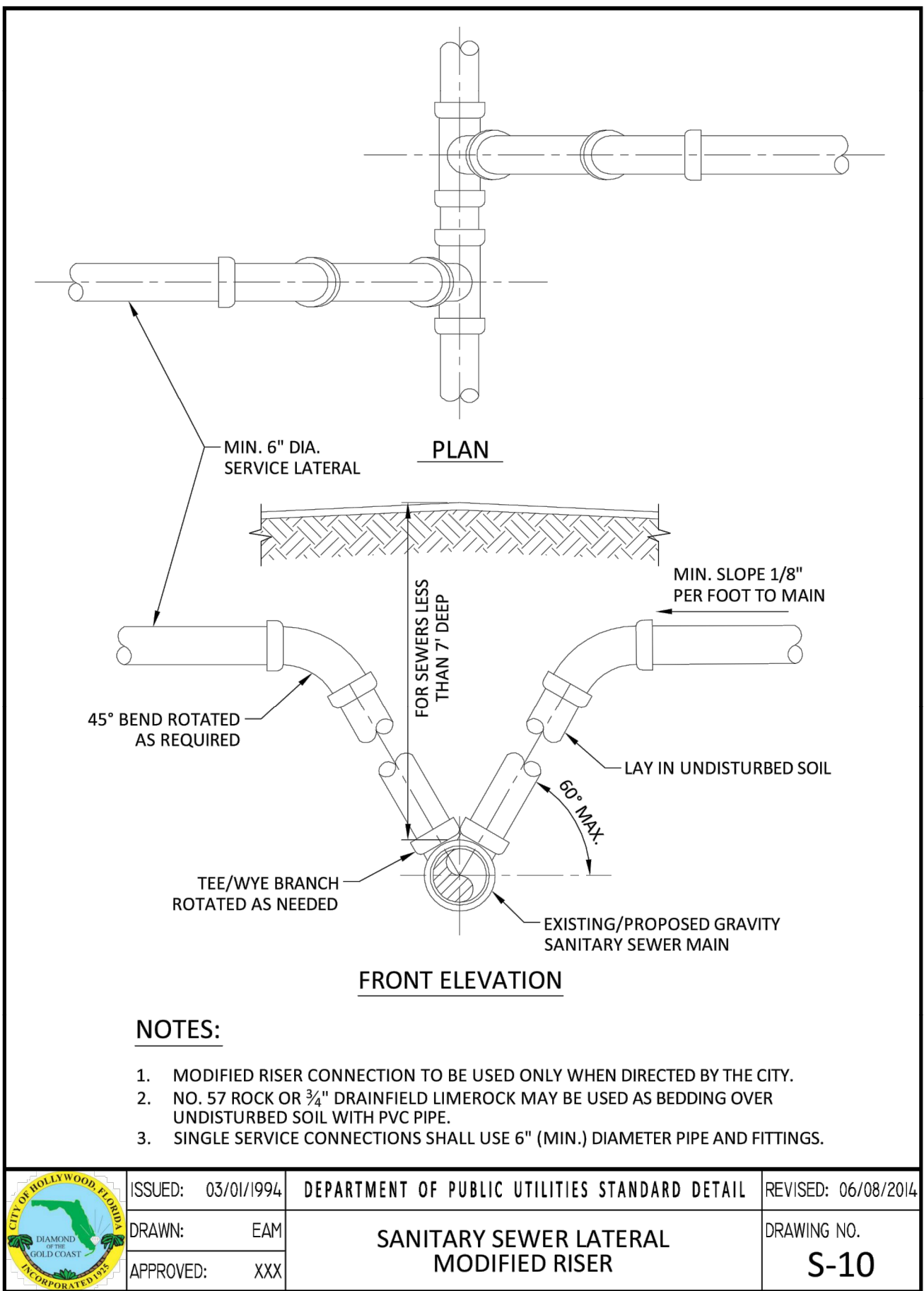
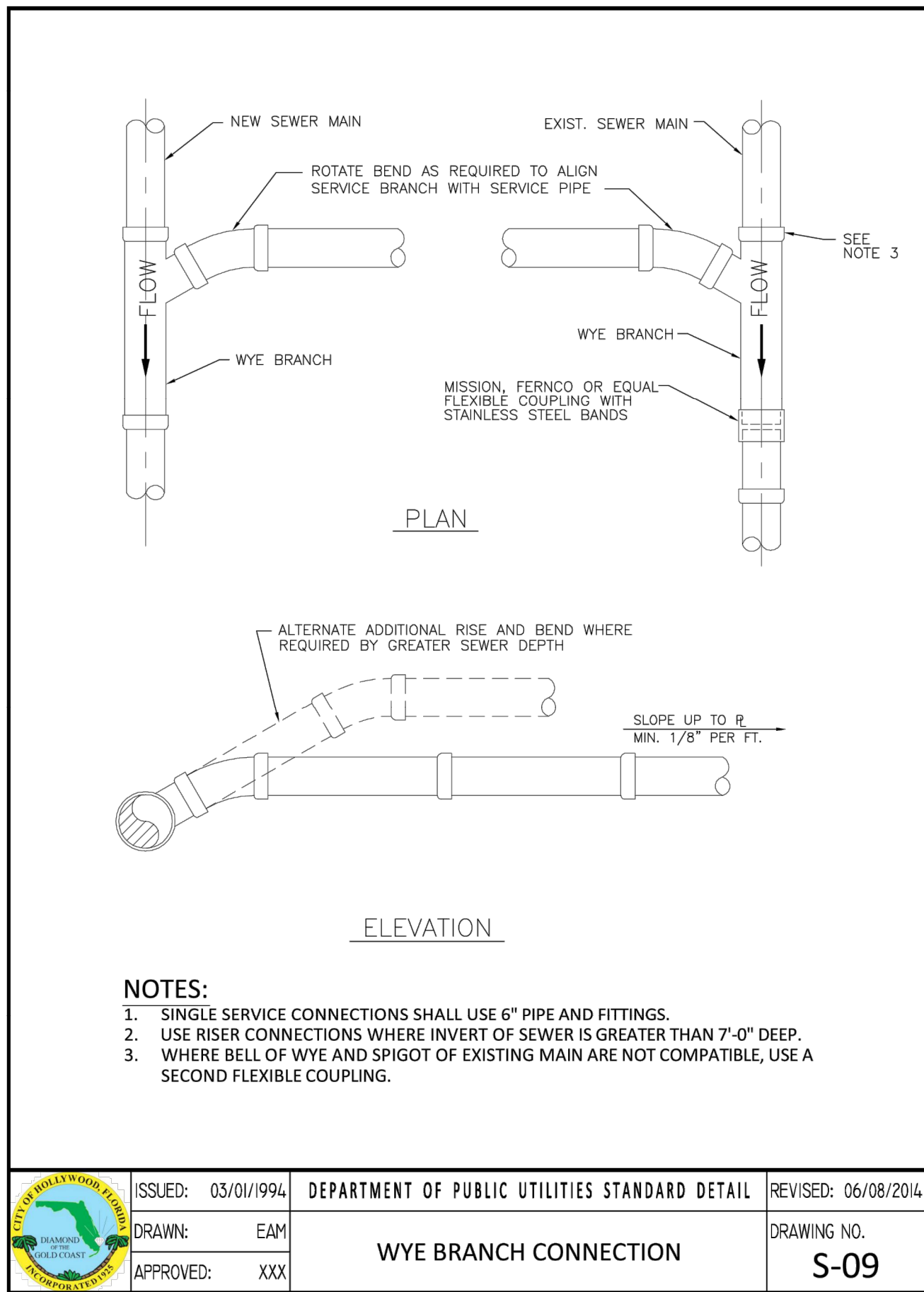
CU-502

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

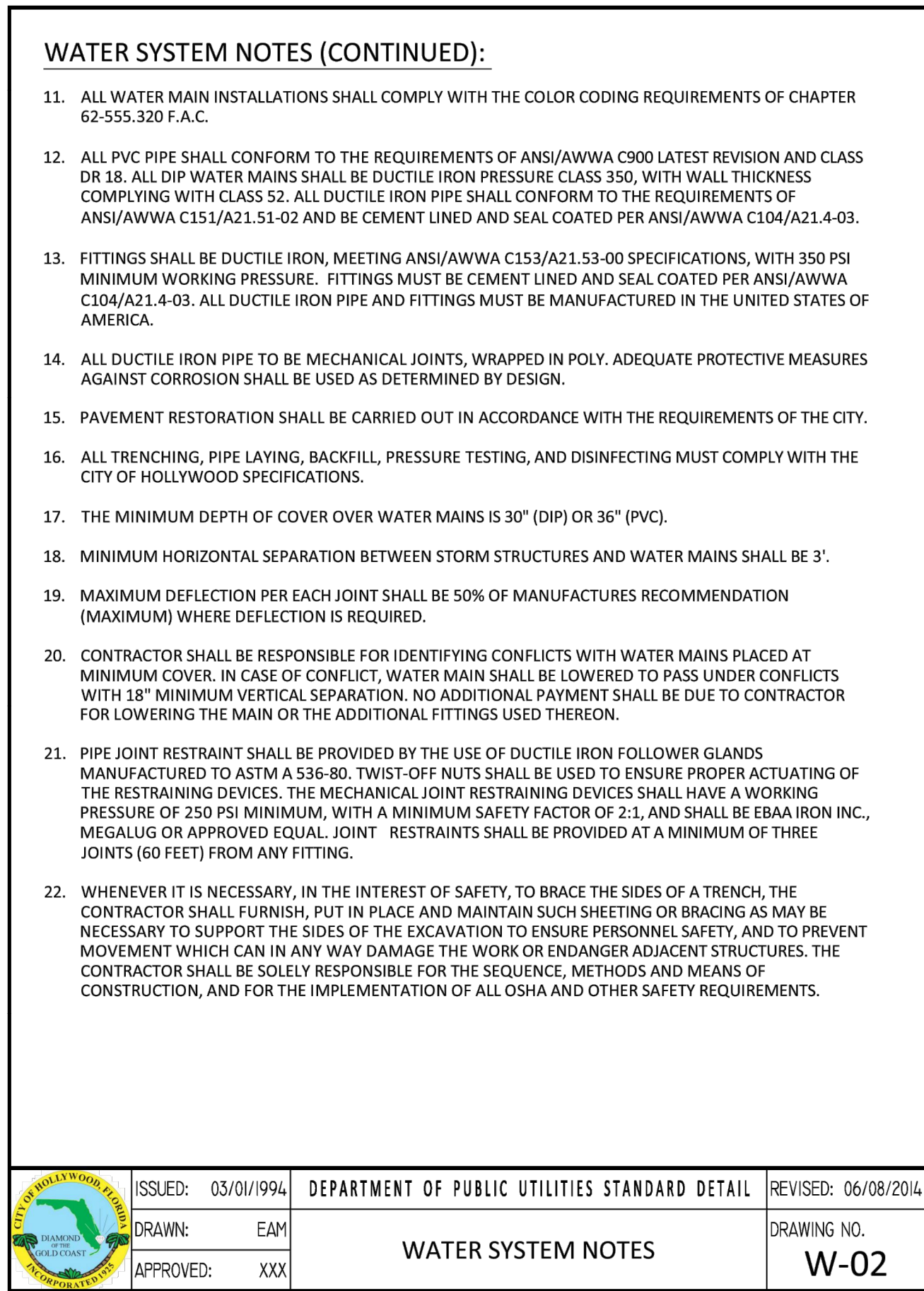
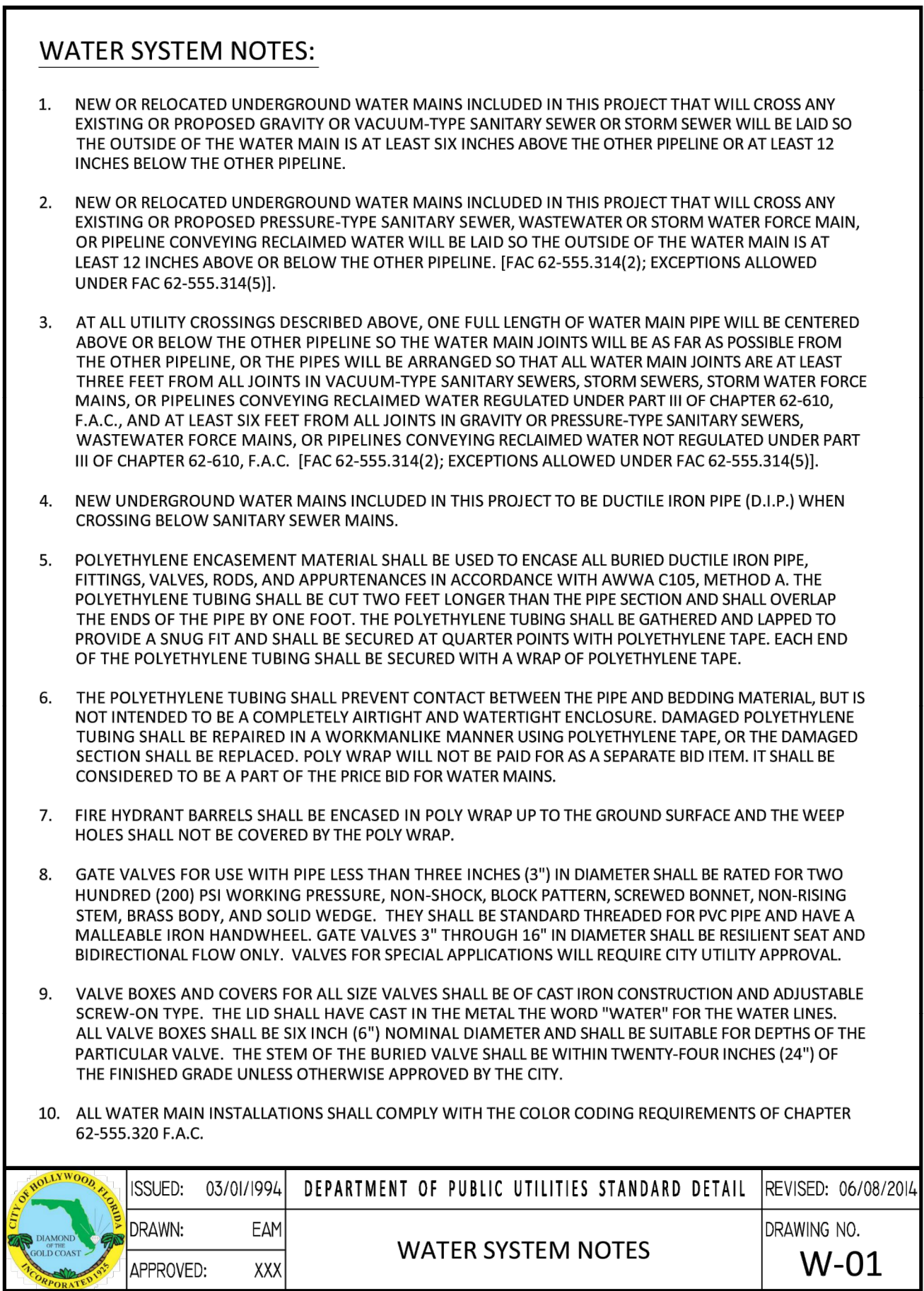
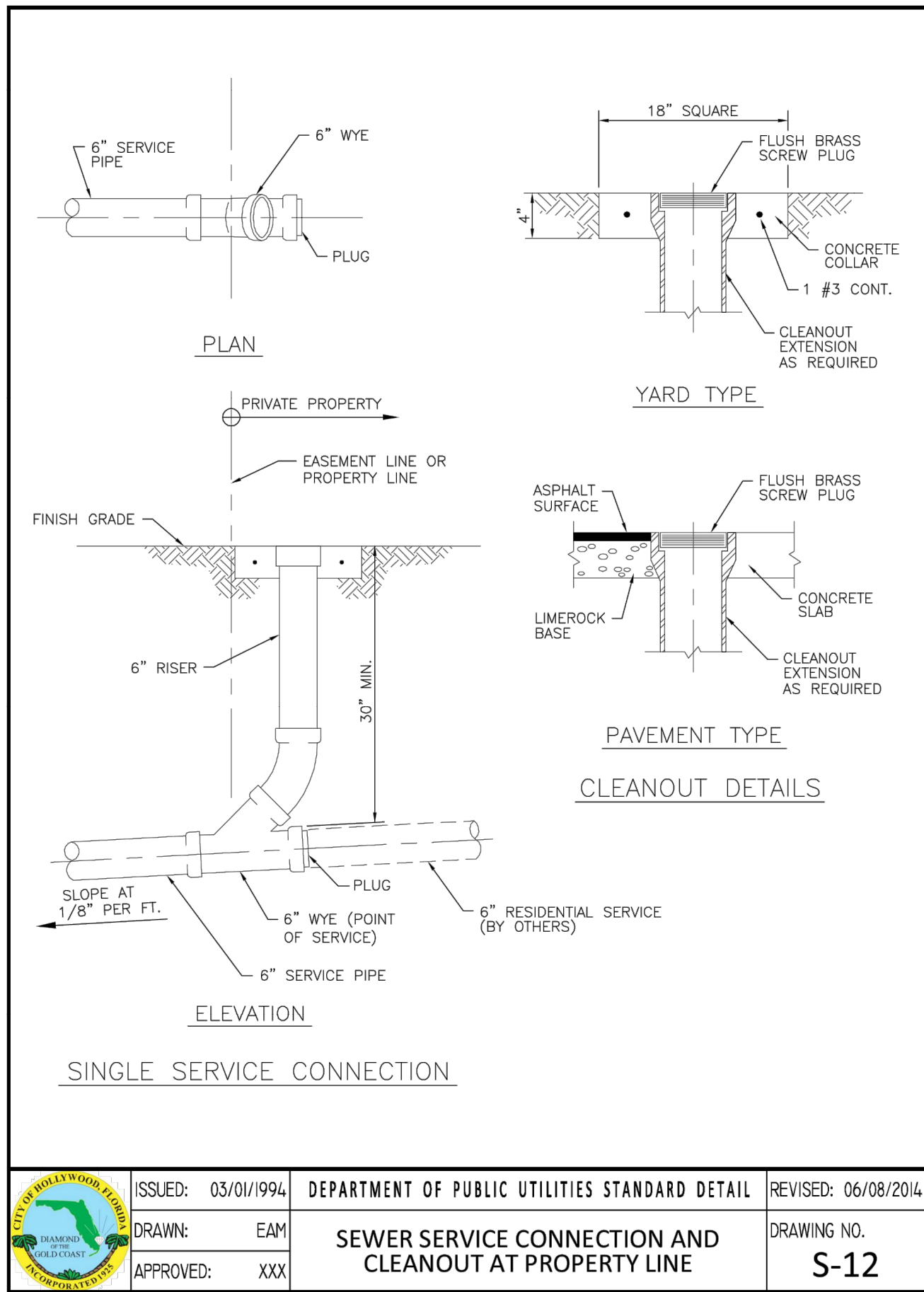
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**WATER AND SEWER
DETAILS**

SHEET NUMBER

CU-504

PRELIMINARY TAC SUBMITTAL

PROJECT NO. 10067.00

Drawing name: R:\1010067.00 - Pinnacle at Peacefield - PHCEEngineering\Custom\10067.00 CU-504 Water & Sewer Details.dwg Layout Name: CU-504 Plotted by: mcarroll Date: Mar 02, 2018 3:28pm