

JOHNSON TECHNOLOGY CENTER FORTS

City of Coconut Creek, Broward County, Florida

OWNER:
ELITE ALUMINUM CORP.
4650 LYONS TECHNOLOGY PARKWAY
COCONUT CREEK, FL 33073
PHONE: (954) 949-3204
FAX: (954) 949-3201

CIVIL ENGINEER:
SUN-TECH ENGINEERING, INC.
1600 WEST OAKLAND PARK BLVD
FORT LAUDERDALE, FL 33311
PHONE: (954) 777-3123
FAX: (954) 777-3114

SURVEYOR:
McLAUGHIN ENGINEERING COMPANY (LB#285)
400 N.E. 3rd AVENUE
FORT LAUDERDALE, FL 33311
PHONE: (954) 763-7611
FAX: (954) 763-7615

ARCHITECT:
T&T DESIGN DEVELOPMENT, INC.
6810 LYONS TECHNOLOGY CIR. SUITE 140
COCONUT CREEK, FL 33073
PHONE: (954) 725-9499

LANDSCAPE ARCHITECT:
JFS DESIGN, INC.
1833 NW 140th TERR.
PEMBROKE PINES, FL 33028
PHONE: (954) 447-1852
FAX: (954) 367-4230




SECTION 6, TOWNSHIP 48 SOUTH, RANGE 42 EAST
LOCATION MAP
N.T.S.

INDEX OF DRAWINGS	
SHEET NO.	TITLE
	COVER SHEET
SP1	OVERALL SITE PLAN
SP2	SITE PLAN
HCP	HORIZONTAL CONTROL PLAN
S1	SURVEY
P1	PLAT
A101	FLOOR PLAN
A201	ELEVATIONS
TD1	TREE DISPOSITION PLAN
L1-L2	LANDSCAPE PLAN & DETAILS SPECIFICATIONS
SL1	SITE PHOTOMETRIC
PD1	PAVING, GRADING & DRAINAGE PLAN
PD2-PD9	PAVING AND DRAINAGE DETAILS
WS1-WS2	WATER AND SEWER PLAN AND DETAIL SHEET

LEGAL DESCRIPTION:
A PARCEL OF LAND, BEING A PORTION OF PARCEL "A" AND A PORTION OF PARCEL "1-2", JOHNSON ROAD COMMERCE CENTRE, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 177, PAGE 8 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGIN AT THE MOST WESTERLY SOUTHWEST CORNER OF SAID PARCEL "A"; THENCE ALONG A WEST LINE OF SAID PARCEL "A"; NORTH 00°24'02" WEST, 398.00 FEET TO THE MOST WESTERLY NORTHWEST CORNER OF SAID PARCEL "A"; THENCE ALONG A NORTH LINE OF SAID PARCEL "A"; NORTH 89°35'58" EAST, 360.00 FEET TO A CORNER OF SAID PARCEL "A"; THENCE ALONG A WEST LINE OF SAID PARCEL "A" AND ITS NORTHERLY PROLONGATION ALONG THE WEST LINE OF SAID PARCEL "1-2"; NORTH 00°24'02" WEST, 249.00 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "1-2"; THENCE ALONG THE NORTH LINE OF SAID PARCEL "1-2"; NORTH 89°35'58" EAST, 360.00 FEET; THENCE SOUTH 00°24'02" EAST, 249.00 FEET; THENCE NORTH 89°35'58" EAST, 35.00 FEET; THENCE SOUTH 00°24'02" EAST, 398.74 FEET TO A POINT ON THE EASTERLY PROLONGATION OF A SOUTH LINE OF SAID PARCEL "A"; THENCE ALONG SAID LINE, SOUTH 89°34'00" WEST, 121.23 FEET TO A CORNER OF SAID PARCEL "A"; SAID POINT BEING THE NORTHEAST CORNER OF PARCEL "A", EMANUEL BAPTIST CHURCH PLAT; ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 170, PAGE 72 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA; THENCE ALONG A SOUTH LINE OF SAID PARCEL "A"; CONTINUE SOUTH 89°34'00" WEST, 328.77 FEET TO THE POINT OF BEGINNING.
SAID LANDS SITUATE LYING AND BEING IN THE CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA, AND CONTAINING 4.3044 ACRES (187,501 SQUARE FEET) MORE OR LESS.

NOTE: THE PROPOSED IMPROVEMENTS HAVE BEEN DESIGNED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, COUNTY, AND CITY OF COCONUT CREEK CODES AND STATUTES. SHOULD THERE BE ANY DISCREPANCIES BETWEEN THE PLANS AND/OR SPECIFICATIONS PREPARED BY THE ENGINEER OF RECORD OR REGISTERED ARCHITECT AND ANY PUBLISHED STANDARDS, INCLUDING BUT NOT LIMITED TO THE CITY OF COCONUT CREEK CODE AND/OR THE CITY OF COCONUT CREEK ADOPTED UTILITY AND ENGINEERING STANDARDS, SPECIFICATIONS AND CONSTRUCTION DETAILS, SAID DISCREPANCIES SHALL BE RESOLVED UTILIZING THE LATEST AND MOST UPDATED STANDARDS ADOPTED BY THE AGENCY HAVING JURISDICTION, OR THE MOST STRINGENT.



Sun-Tech Engineering, Inc.
Engineers - Planners - Surveyors

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UNDERGROUND UTILITIES
NOTIFICATION CENTER

PROJECT NO. 12-3516
DESIGN DATE: OCT 2012

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GN1	GENERAL NOTES
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PD2-PD9	PAVING AND DRAINAGE DETAILS
WS1-WS5	WATER AND SEWER PLAN AND DETAIL SHEET
SS1	SANITARY SEWER PROFILES
SWPP1-SWPP3	STORMWATER POLLUTION PREVENTION PLAN

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Engineers - Planners - Surveyors

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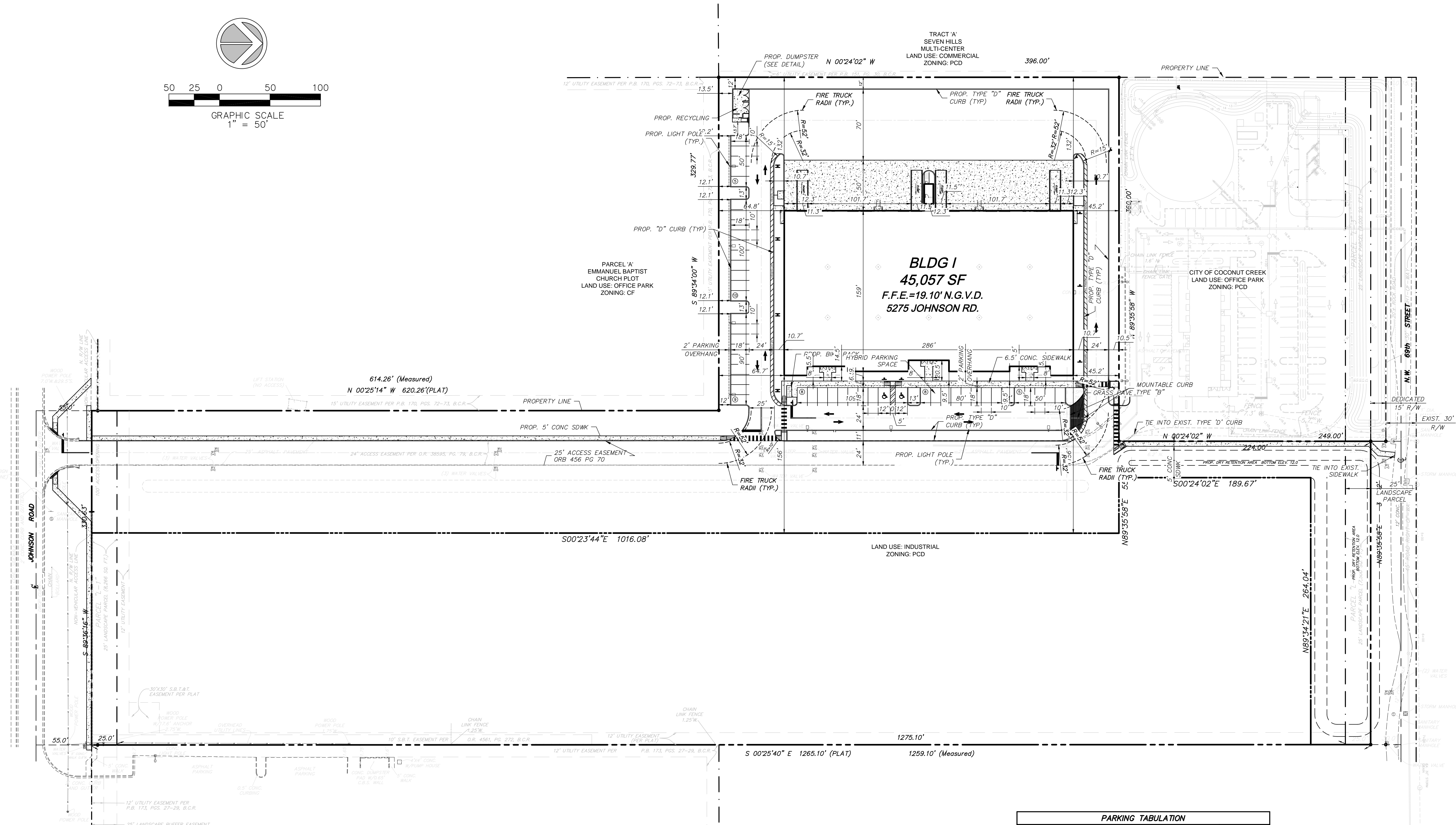
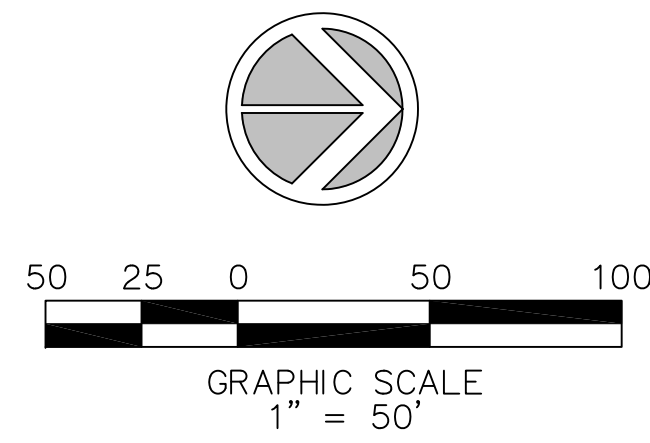
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Phone (954) 777-3123
Fax (954) 777-3114

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1-800-432-4770
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UNDERGROUND UTILITIES
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PROJECT NO. 12-3516
DESIGN DATE: OCT 2012

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SITE DATA			
	AREA (S.F.)	AREA (ACRES)	PERCENTAGE
OPEN SPACE	57,952	1.33 AC.	30.91%
PAVED AREA	65,914	1.51 AC.	35.15%
CONCRETE AREA	18,578	0.43 AC.	9.91%
BUILDING AREA	45,057	1.03 AC.	24.03%
TOTAL AREA	187,501	4.30 AC.	100.00%

PERVIOUS CALCULATIONS			
	AREA (S.F.)	AREA (ACRES)	PERCENTAGE
PERVIOUS	57,952	1.33 AC.	30.91%
IMPERVIOUS	129,549	2.97 AC.	69.09%

PARKING TABULATION	
PARKING REQUIRED	
TOTAL BUILDING	45,057 S.F.
TOTAL OFFICE	5,100 S.F.
10% CREDIT FOR OFFICE	4,506 S.F.
TOTAL ADDITIONAL OFFICE	594 S.F.
TOTAL REQUIRED PARKING MANUFACTURING: 44,463 S.F. @ 1 SPACE/1200 S.F.	38 SPACES
ADDITIONAL PARKING OFFICE OVER 10%: 594 S.F. @ 1 SPACE/300 S.F.	2 SPACES
TOTAL PARKING REQUIRED	40 SPACES
PARKING PROVIDED	
10 x 20 REGULAR SPACES	43 SPACES
HANDICAP SPACES	2 SPACES
TOTAL PARKING PROVIDED	45 SPACES

EXIST. LAND USE: INDUSTRIAL
 EXIST. ZONING: PCD
 BUILDING HEIGHT: 40'

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 PLOT DATE: 5/29/2013 8:28 AM BY: Andy Venneman
 LAYOUT: [SP1]

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 Fax (954)777-3114

REVISIONS	
NO.	DATE

JOHNSON TECHNOLOGY CENTER
FORTS
 CITY OF COCONUT CREEK
 FLORIDA
OVERALL SITE PLAN

DATE:
Nov. 2012

SCALE:
1"=50'

DESIGNED BY:
M.G.

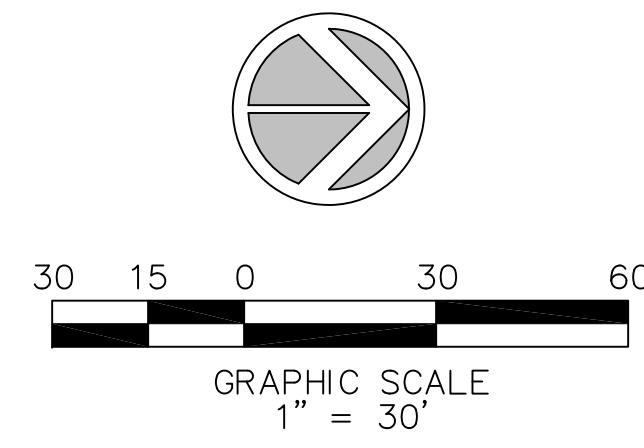
DRAWN BY:
M.A.S.

JOB NUMBER
12-3516

SHEET No.
SP1

SEAL

May 28 2013
 CLIFFORD R. LOITAN, P.E.
 FL. REG. NO. 58890



PARCEL 'A'
EMMANUEL BAPTIST
CHURCH PLOT
LAND USE: OFFICE PARK
ZONING: CF

TRACT 'A'
SEVEN HILLS
MULTI-CENTER
LAND USE: COMMERCIAL
ZONING: PCD

BLDG 1
45,057 SF
F.F.E.=19.10' N.G.V.D.
5275 JOHNSON RD.

LAND USE: INDUSTRIAL
ZONING: PCD

CITY OF COCONUT CREEK
LAND USE: OFFICE PARK
ZONING: PCD

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Ft. Lauderdale, FL 33311
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Certificate of Auth. # 7097
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NO.	DATE	REVISIONS	DESCRIPTION

**JOHNSON TECHNOLOGY CENTER
FORTS**
FLORIDA
CITY OF COCONUT CREEK
SITE PLAN

DATE:
Nov. 2012

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
A.E.V.

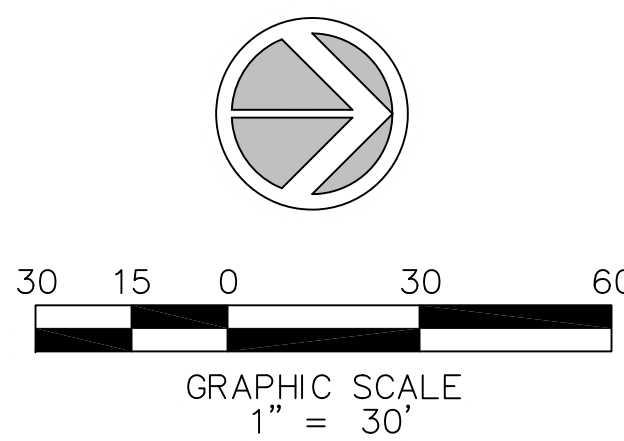
JOB NUMBER
12-3516

SHEET No.
SP2

SEAL
May 28 2013
CLIFFORD R. LOUHAN, P.E.
FL. REG. NO. 58890

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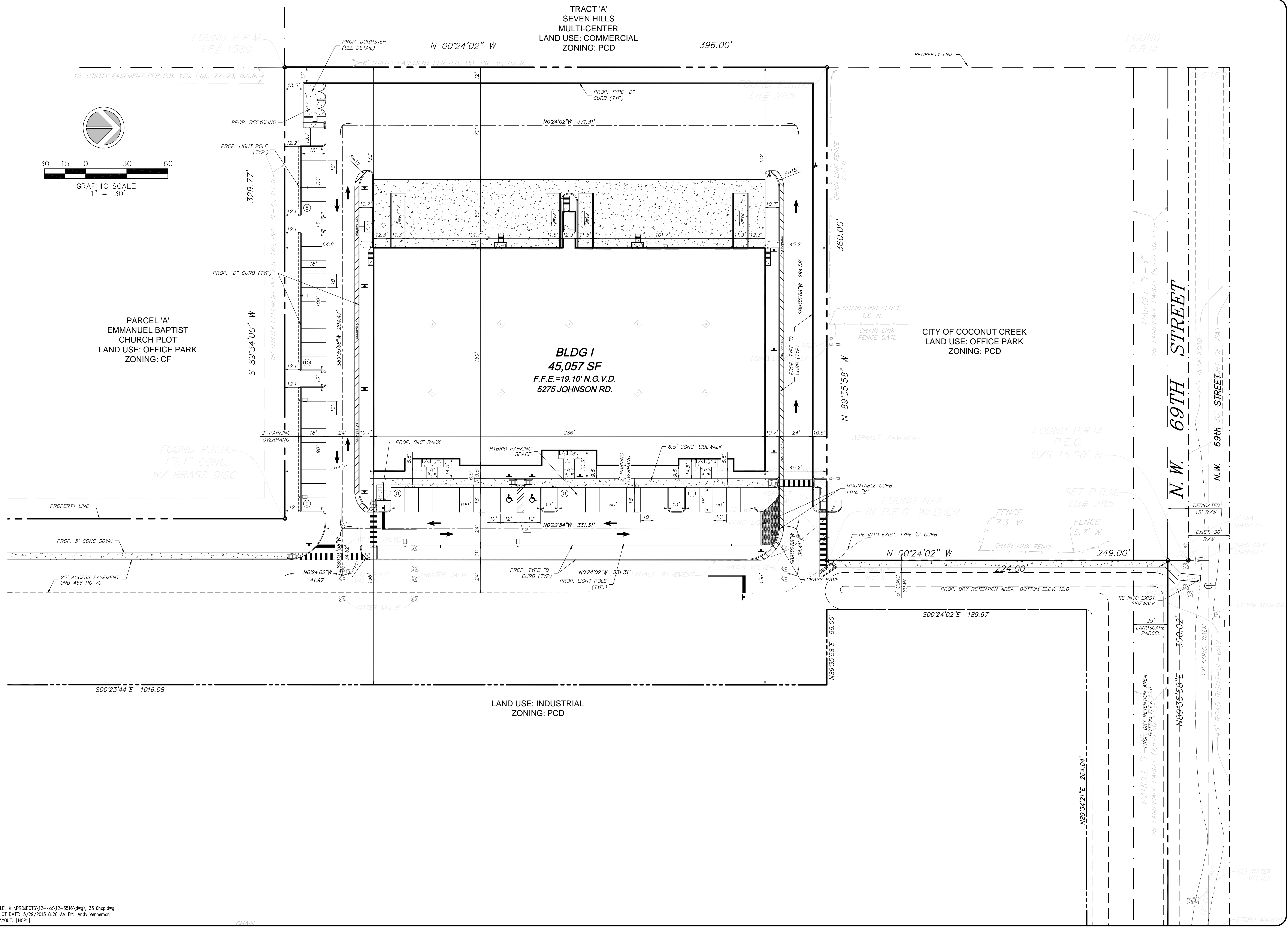
PARCEL 'A'
EMMANUEL BAPTIST
CHURCH PLOT
LAND USE: OFFICE PARK
ZONING: CF

TRACT 'A'
SEVEN HILLS
MULTI-CENTER
LAND USE: COMMERCIAL
ZONING: PCD

CITY OF COCONUT CREEK
LAND USE: OFFICE PARK
ZONING: PCD

LAND USE: INDUSTRIAL
ZONING: PCD

BLDG 1
45,057 SF
F.F.E. = 19.10' N.G.V.D.
5275 JOHNSON RD.



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NO.	DATE	REVISIONS	DESCRIPTION

JOHNSON TECHNOLOGY CENTER
FORTS
FLORIDA
CITY OF COCONUT CREEK
HORIZONTAL CONTROL PLAN

DATE:
Dec. 2012

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
M.A.S.

JOB NUMBER
12-3516

SHEET No.
HCP1

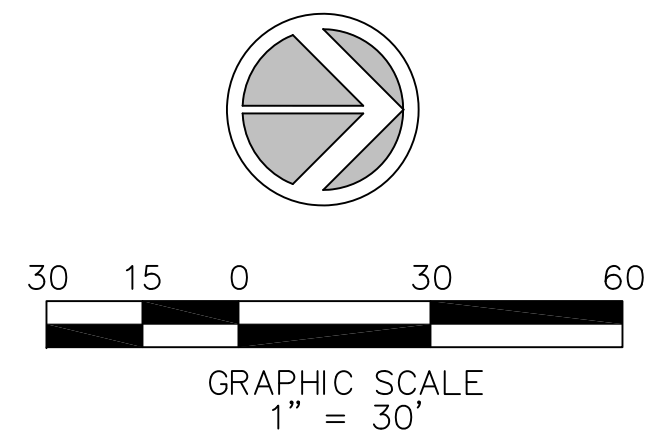
SEAL
May 28 2013

CLIFFORD R. LOUTAN, P.E.
FL. REG. NO. 56890

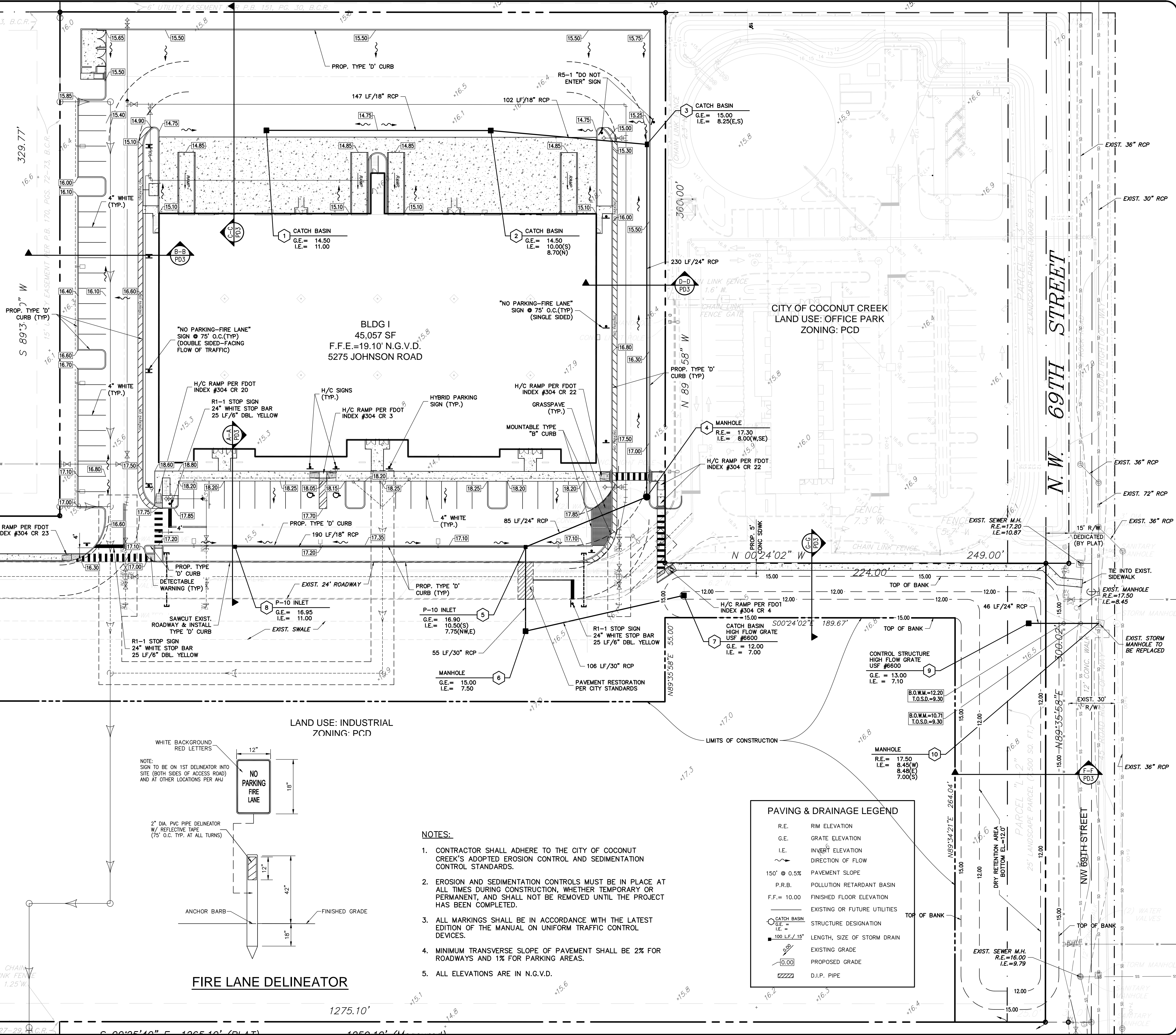
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LAYOUT: [HCP1]

FILE: K:\PROJECTS\12-xxx\12-3516\dwg\3516hpc.dwg
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LAYOUT: [HCP1]

MATCH LINE - SEE SHEET PD2 FOR CONTINUATION



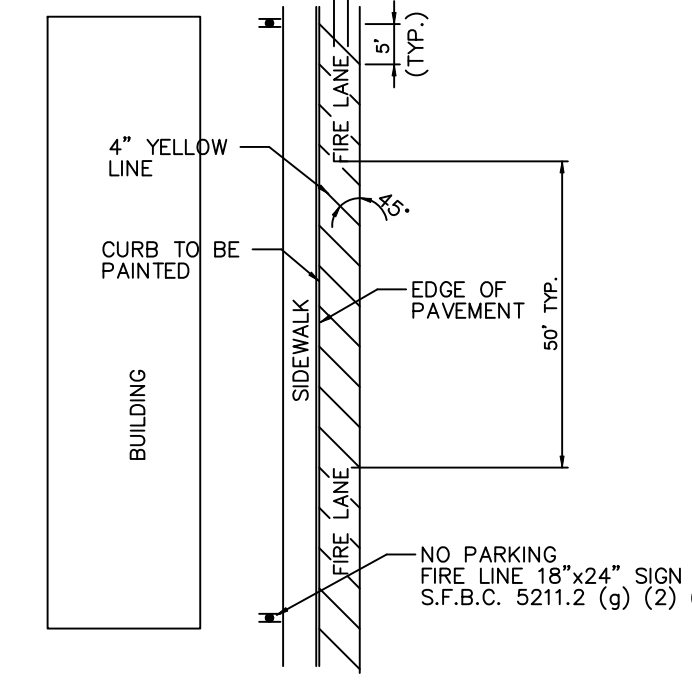
PARCEL 'A'
EMMANUEL BAPTIST
CHURCH PLOT
LAND USE: OFFICE PARK
ZONING: CF



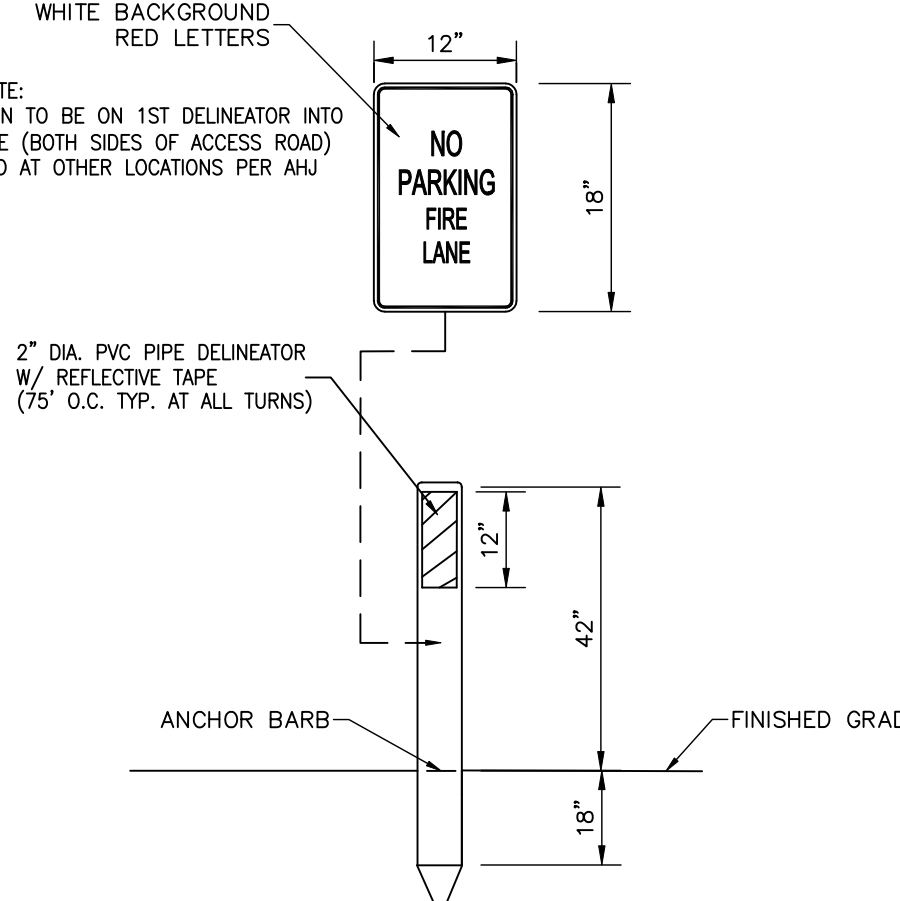
BLDG 1
45,057 SF
F.F.E.=19.10' N.G.V.D.
5275 JOHNSON ROAD

CITY OF COCONUT CREEK
LAND USE: OFFICE PARK
ZONING: PCD

LAND USE: INDUSTRIAL
ZONING: PCD



FIRE LANE REQUIREMENTS



FIRE LANE DELINEATOR

NOTES:

- CONTRACTOR SHALL ADHERE TO THE CITY OF COCONUT CREEK'S ADOPTED EROSION CONTROL AND SEDIMENTATION CONTROL STANDARDS.
- EROSION AND SEDIMENTATION CONTROLS MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION, WHETHER TEMPORARY OR PERMANENT, AND SHALL NOT BE REMOVED UNTIL THE PROJECT HAS BEEN COMPLETED.
- ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.
- ALL ELEVATIONS ARE IN N.G.V.D.

PAVING & DRAINAGE LEGEND

R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
~>	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
○	EXISTING OR FUTURE UTILITIES
○	CATCH BASIN
○	STRUCTURE DESIGNATION
—	LENGTH, SIZE OF STORM DRAIN
—	EXISTING GRADE
—	PROPOSED GRADE
—	D.I.P. PIPE

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TECH

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REVISIONS

NO.	DATE	DESCRIPTION
1	5/13/13	ADD FIRE LINES

JOHNSON TECHNOLOGY CENTER
FORTS

FLORIDA

CITY OF COCONUT CREEK

PAVING, GRADING
AND DRAINAGE PLAN

DATE:
Dec. 2012

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
A.E.V.

JOB NUMBER
12-3516

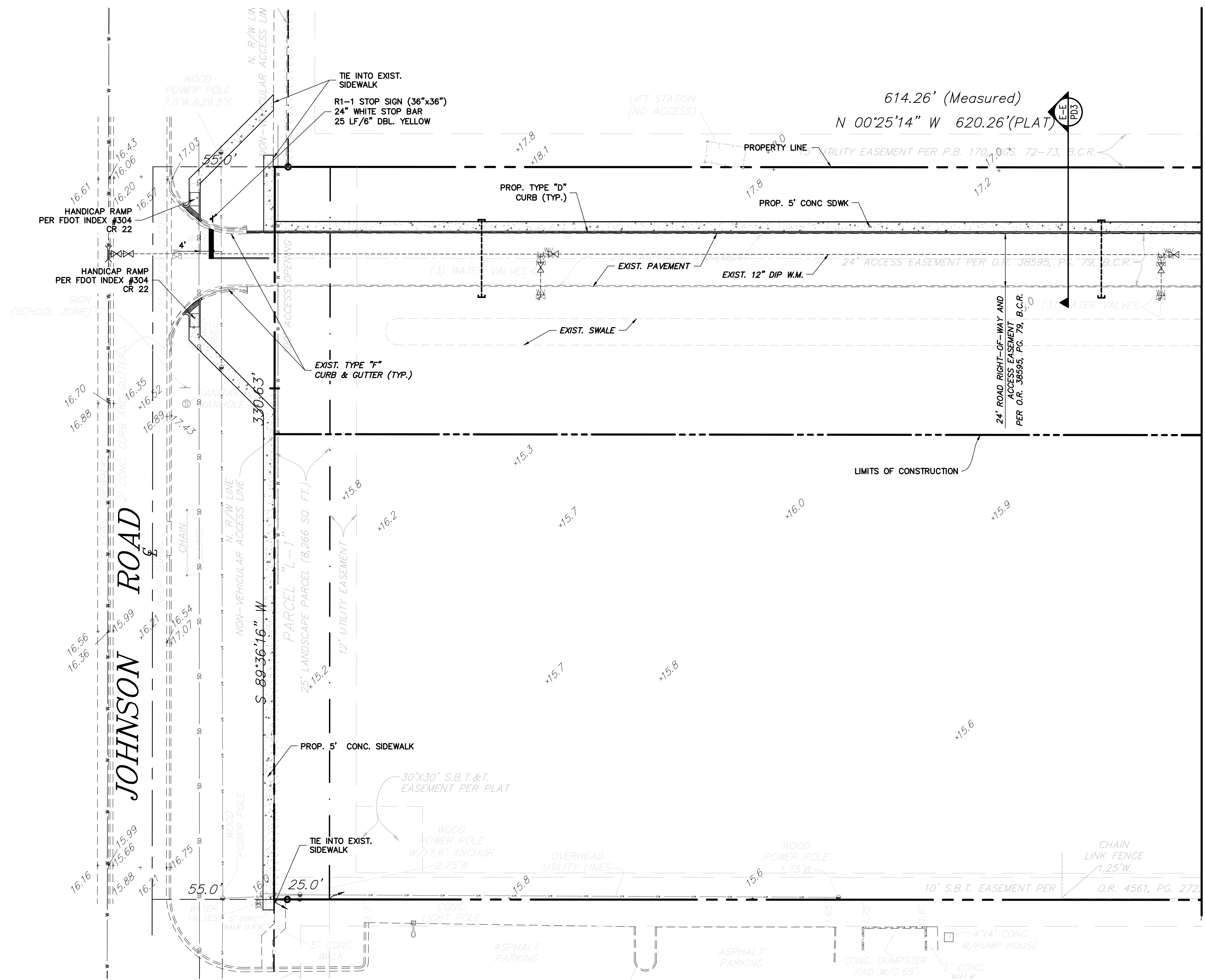
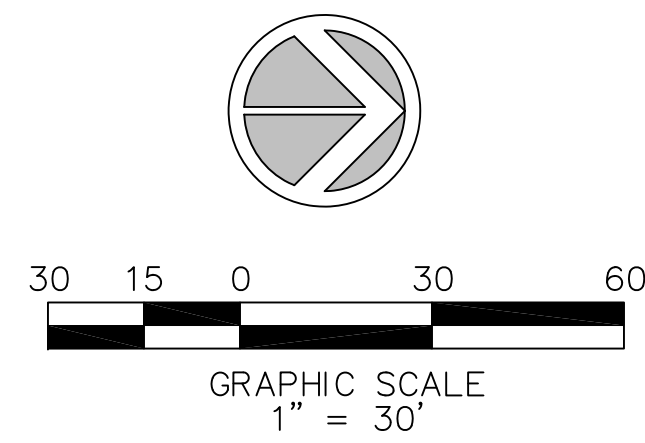
SHEET No.
PD1

SEAL

May 28 2013

CLIFFORD R. LUTAN, P.E.
FL. REG. NO. 58890

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MATCH LINE - SEE SHEET PD1 FOR CONTINUATION

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4. MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.
5. ALL ELEVATIONS ARE IN N.G.V.D.

PAVING & DRAINAGE LEGEND	
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
→	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
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F.F.= 10.00	FINISHED FLOOR ELEVATION
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■	LENGTH, SIZE OF STORM DRAIN
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—	PROPOSED GRADE
—	D.I.P. PIPE

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REVISIONS	
NO.	DATE

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FORTS
 CITY OF COCONUT CREEK
PAVING, GRADING
AND DRAINAGE PLAN
 FLORIDA

DATE:
Dec. 2012

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
A.E.V.

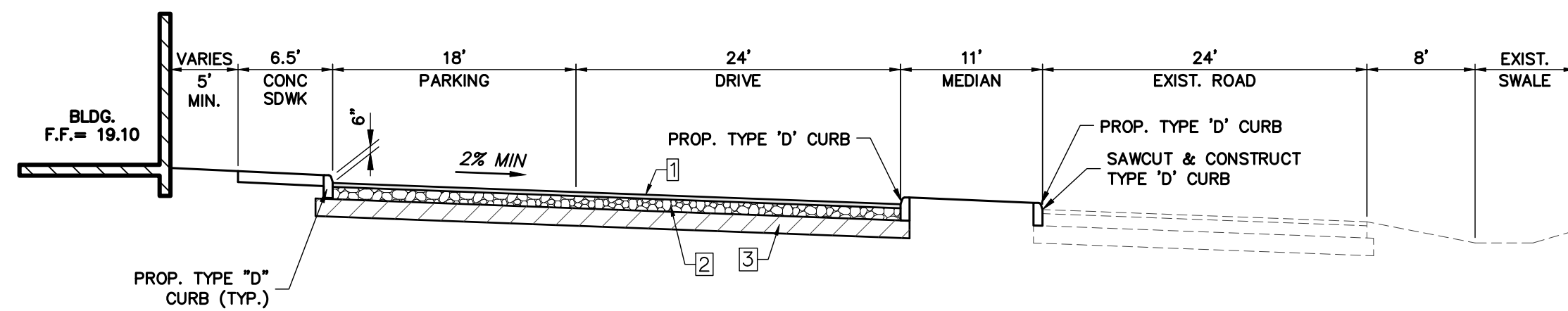
JOB NUMBER
12-3516

SHEET No.
PD2

SEAL

May 28 2013
 CLIFFORD R. LOUTAN, P.E.
 FL. REG. NO. 58890

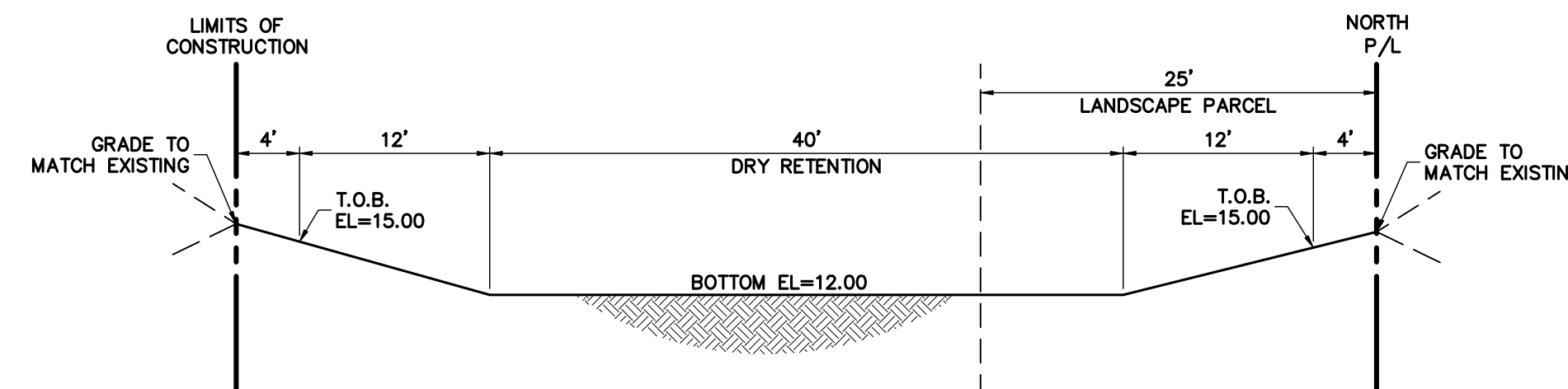
K:\PROJECTS\12-xxx\12-3516\dwg\3516d.dwg PD2 5/29/2013 8:29 AM L1 Sun-Tech Engineering, Inc. (A/E/C)



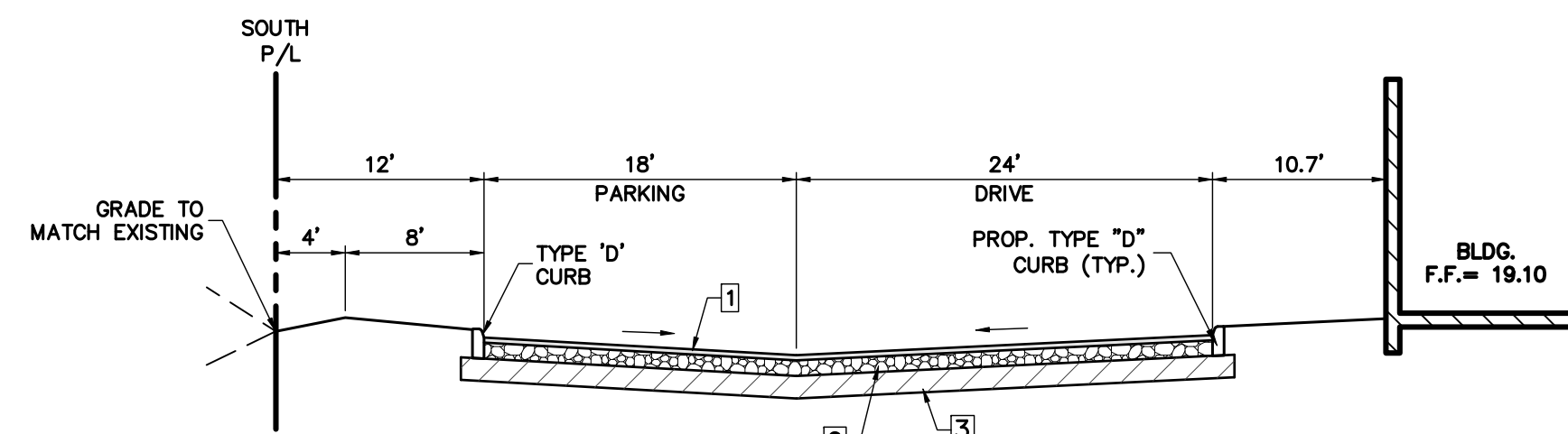
SECTION A-A
NOT TO SCALE

- ON-SITE PAVEMENT NOTES:**
- 1 1/2" THICK ASPHALT, TWO LIFTS, 3/4" TYPE S-3 ASPHALT.
 - THE BASE COURSE SHALL BE LIMEROCK (70% CALCIUM) 8" THICK PRIMED COMPACTED IN ACCORDANCE w/AASHTO SPECIFICATION T-180 TO 98% DENSITY, MIN. LBR 100.
 - 12" STABILIZED SUBGRADE MIN. DRY DENSITY 115 PCF COMPACTED TO 98% AASHTO T-180 METHOD "C" MIN. LBR TO BE 40.
 - 8" CONCRETE 3000 PSI w/FIBERMESH, SAWCUT AT 10' O.C. WITHIN 24 HOURS OF POUR.

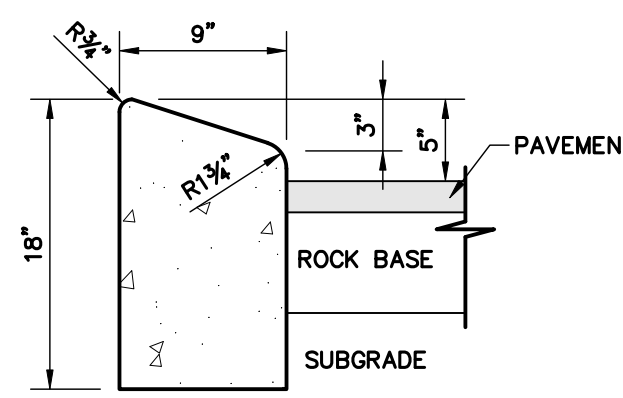
NOTE:
MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.



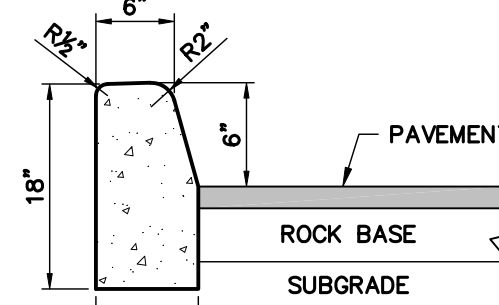
SECTION F-F
NOT TO SCALE



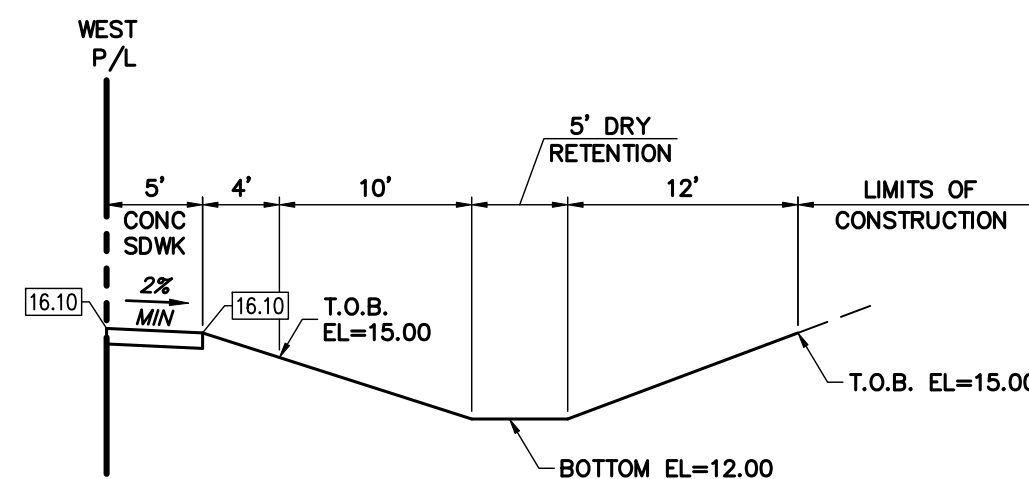
SECTION B-B
NOT TO SCALE



TYPE 'B' CURB
(MOUNTABLE)



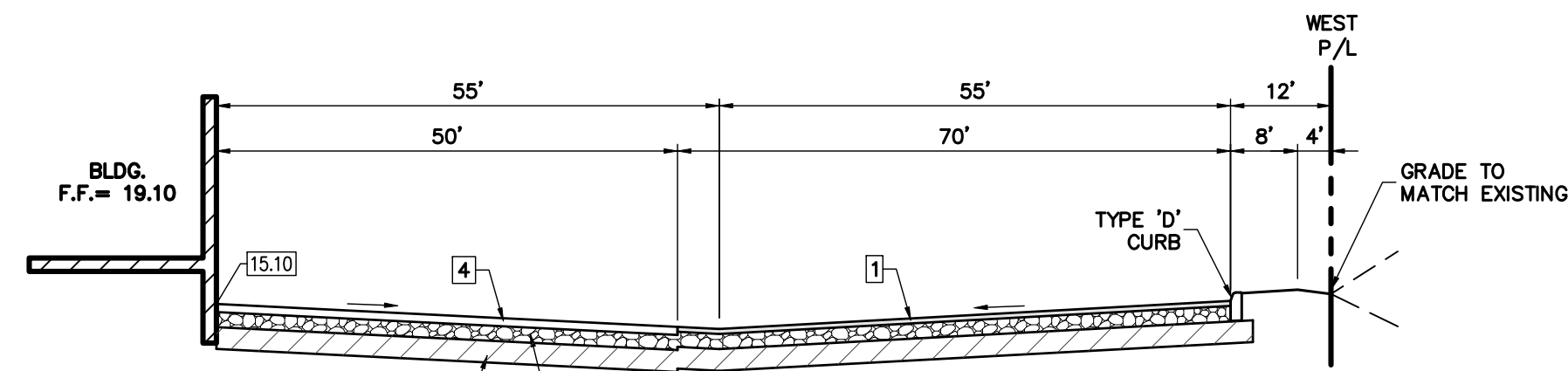
TYPE 'D' CURB
N.T.S.



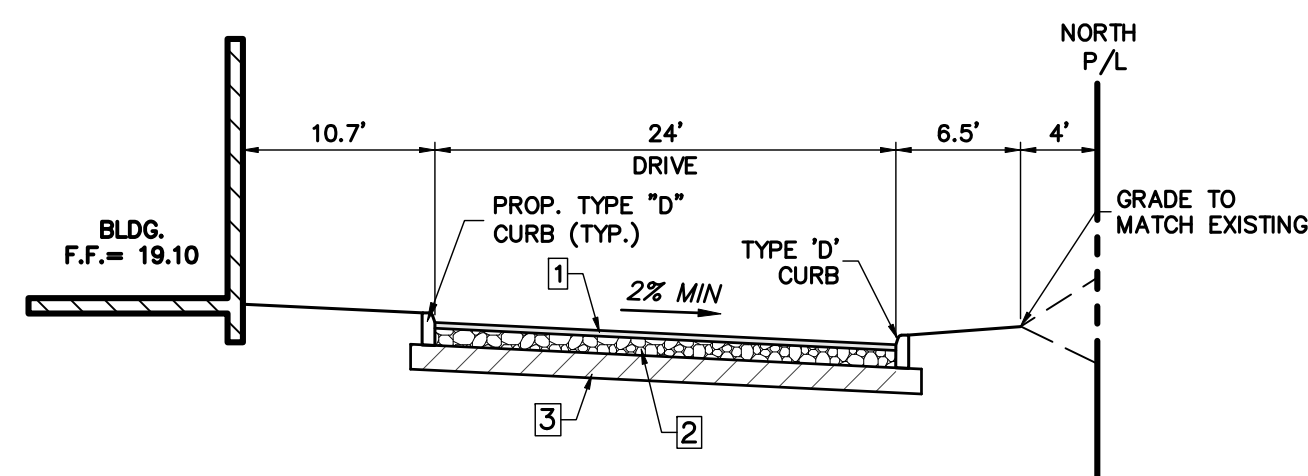
SECTION G-G
NOT TO SCALE



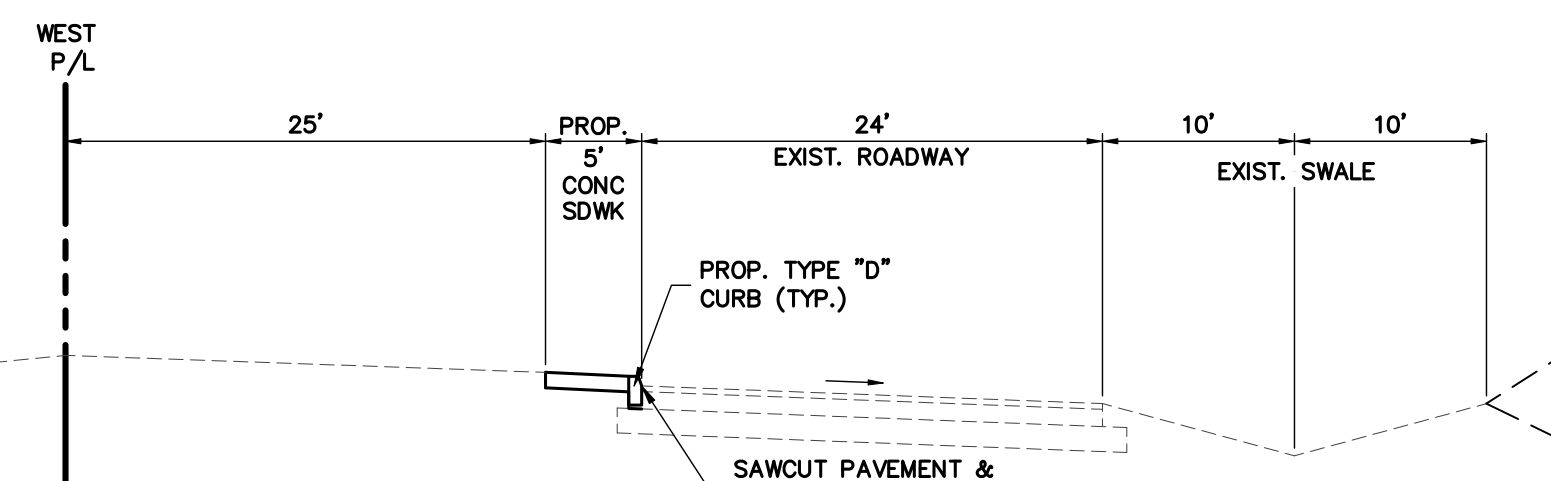
HYBRID PARKING SIGN
SCALE: N.T.S.



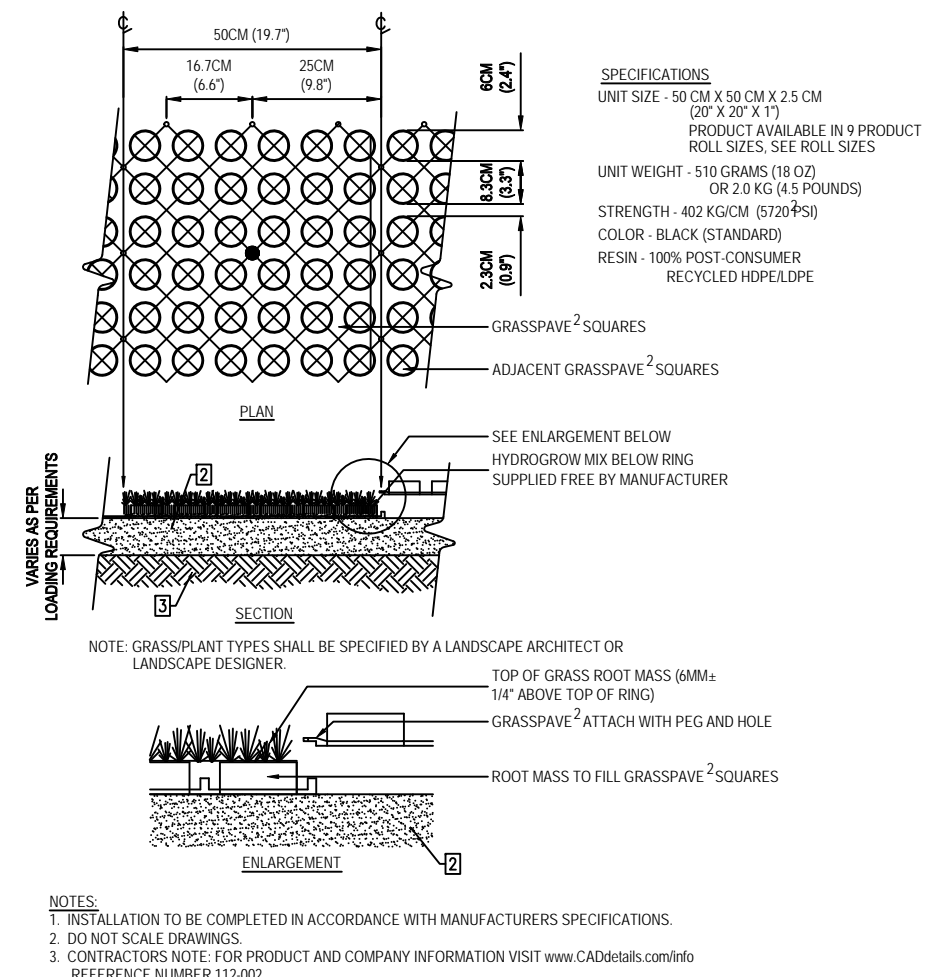
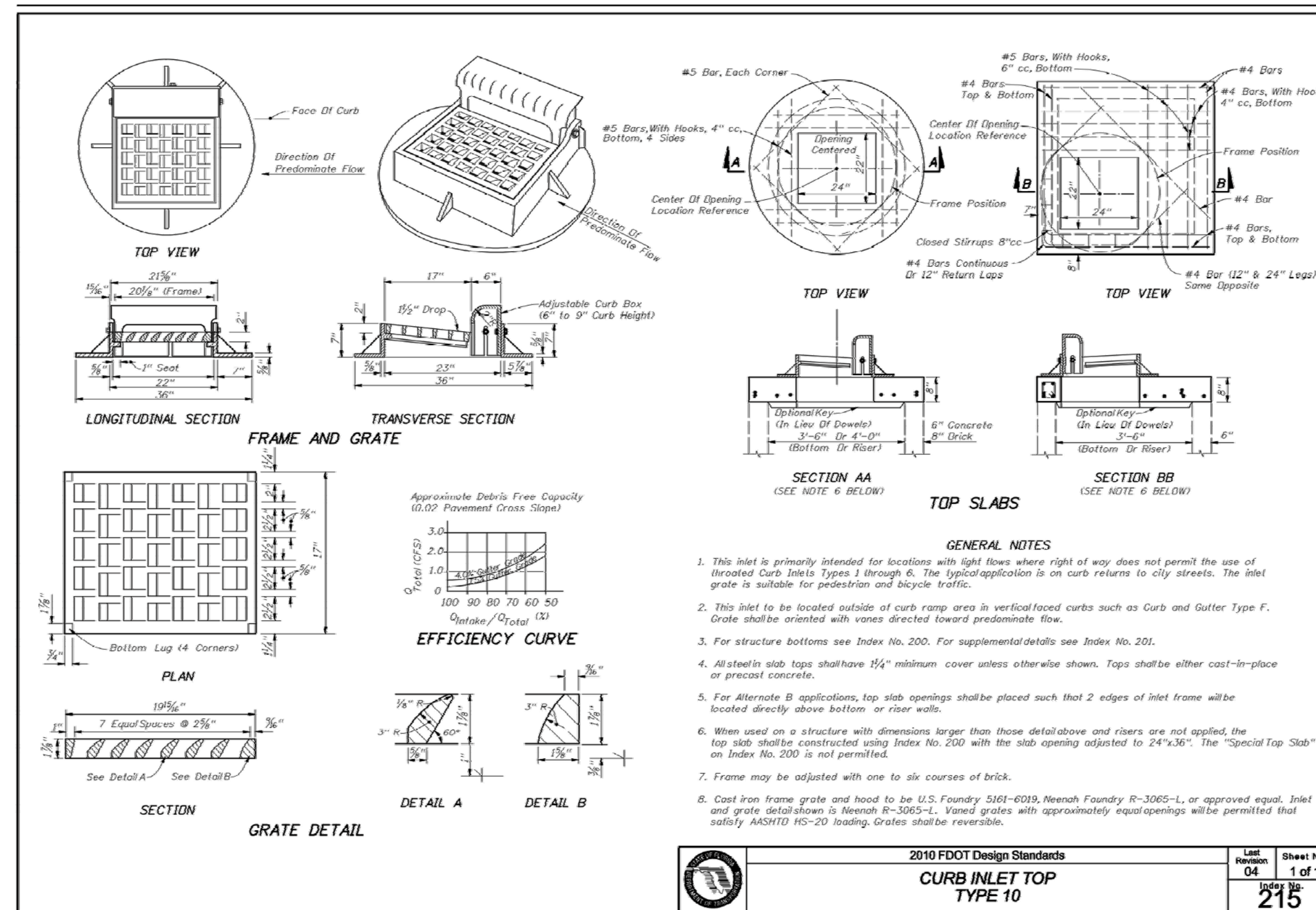
SECTION C-C
NOT TO SCALE



SECTION D-D
NOT TO SCALE



SECTION E-E
NOT TO SCALE



GRASSPAVE DETAIL
SCALE: N.T.S.

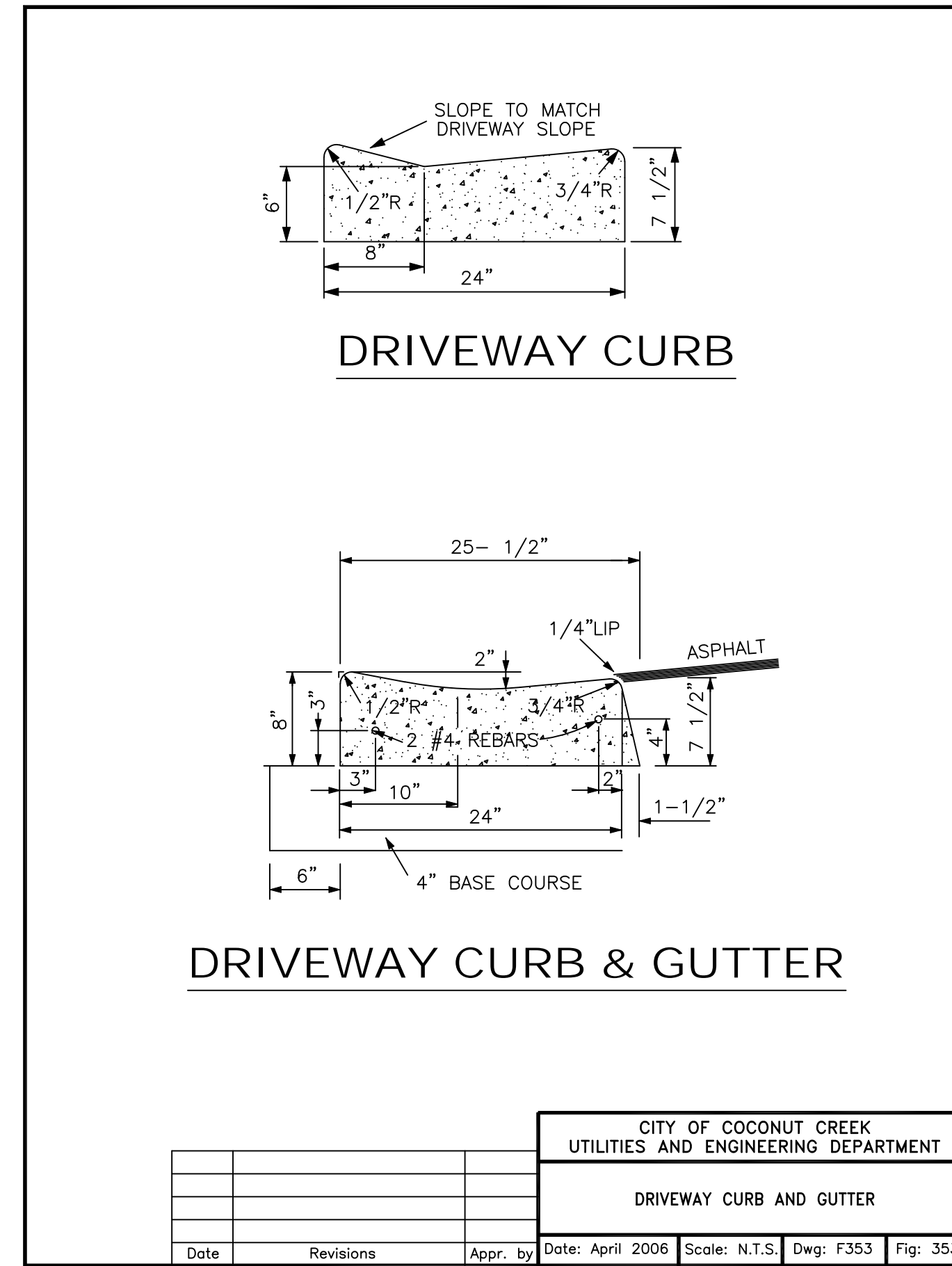
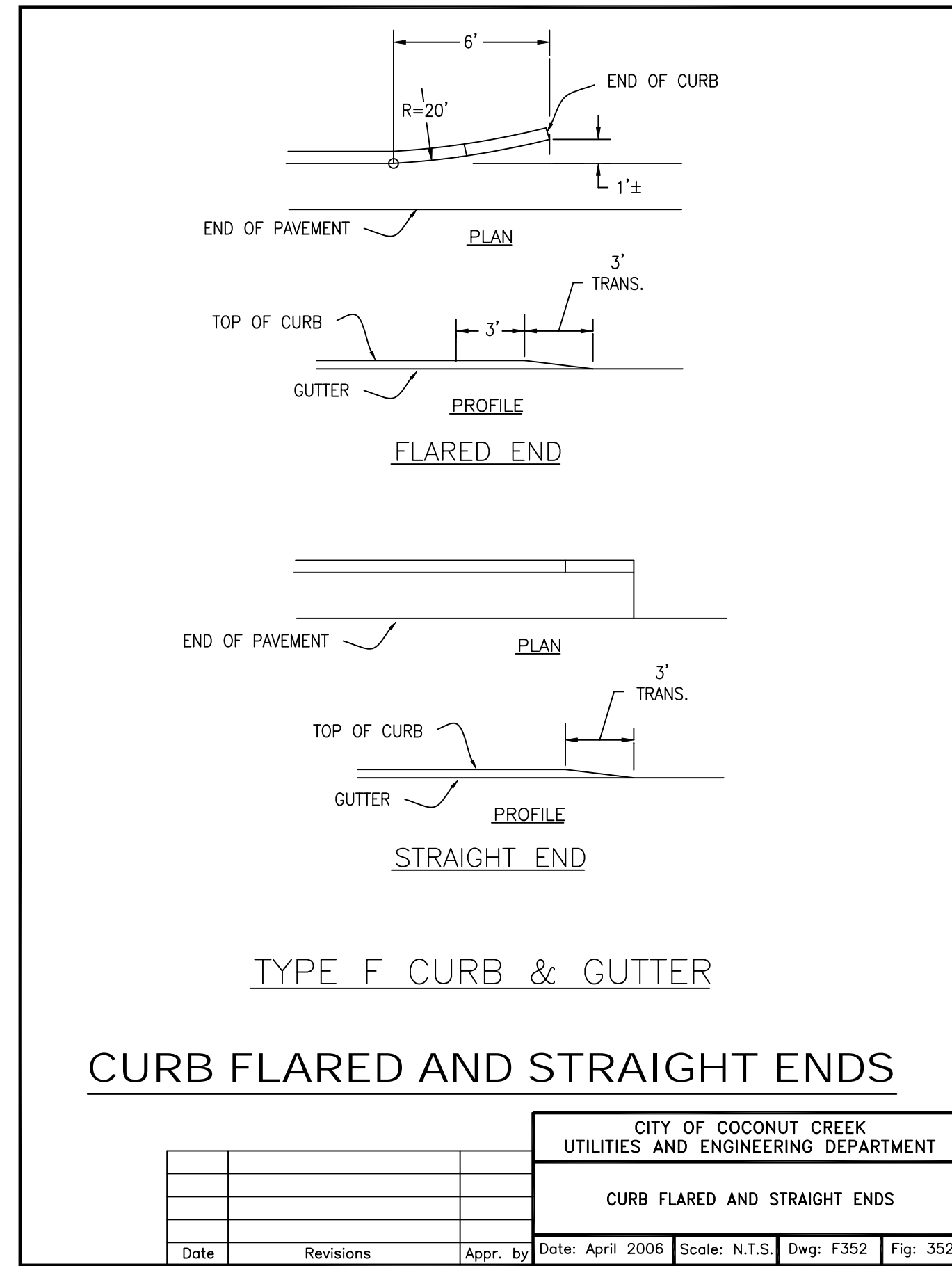
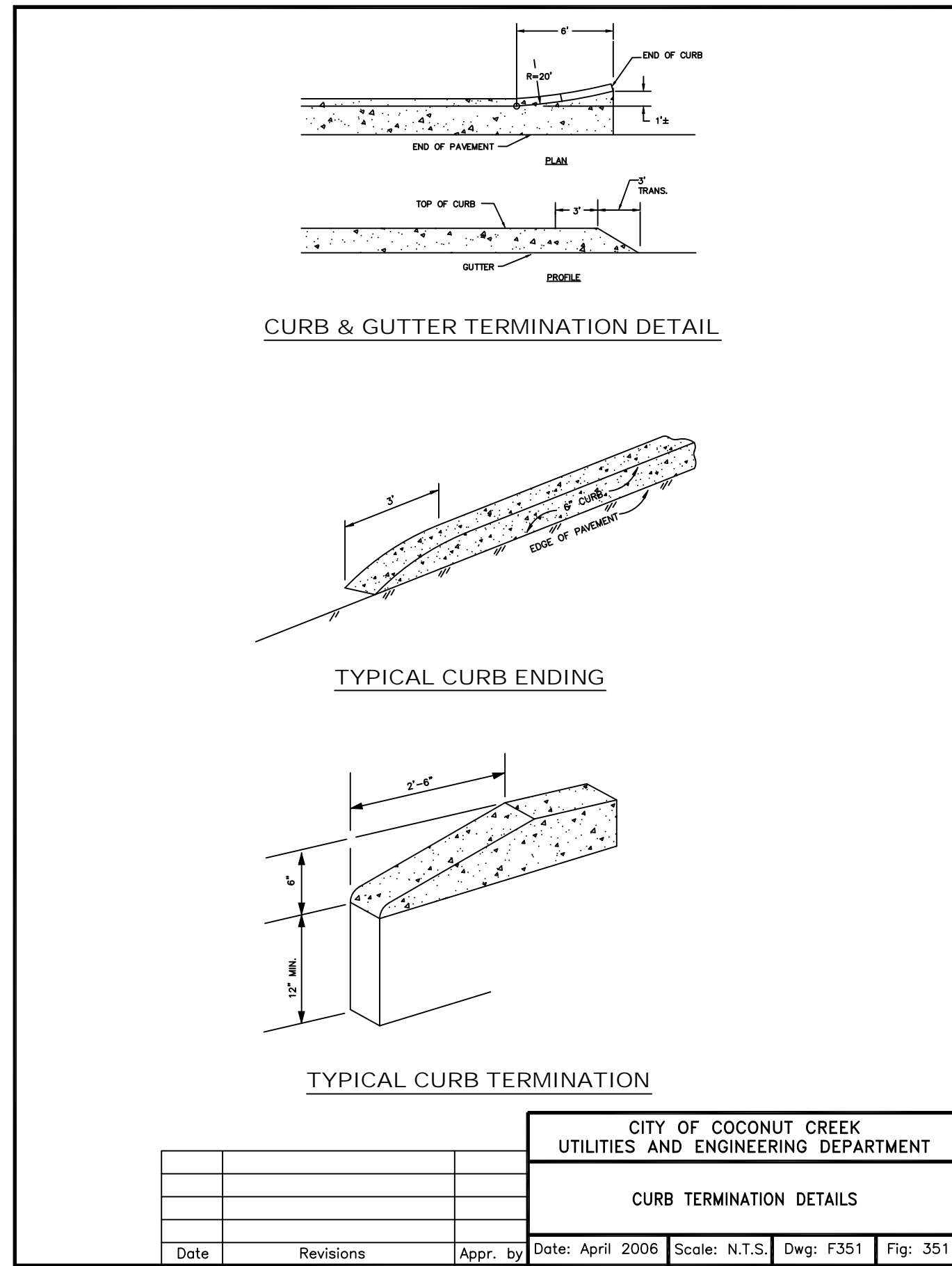
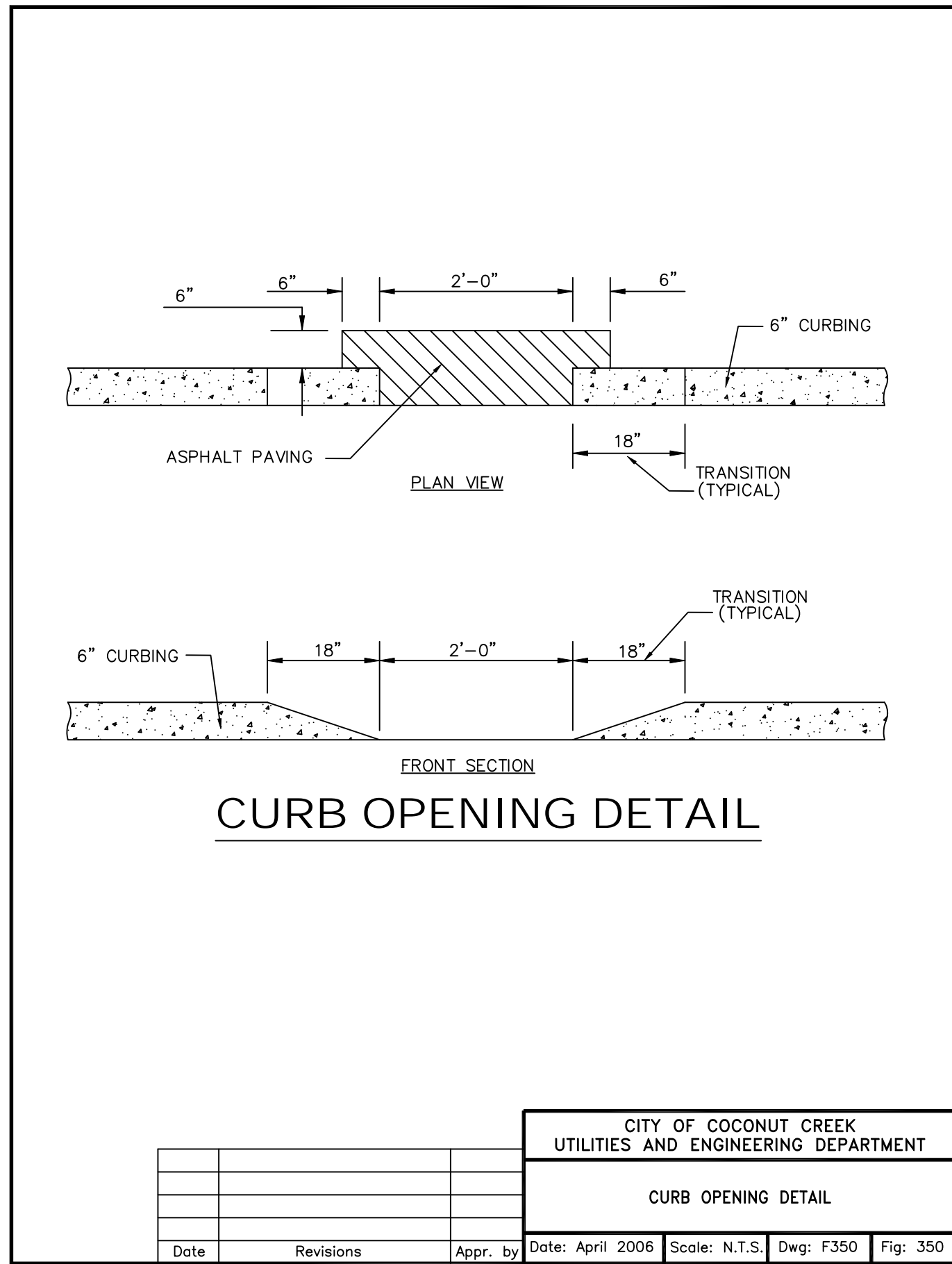
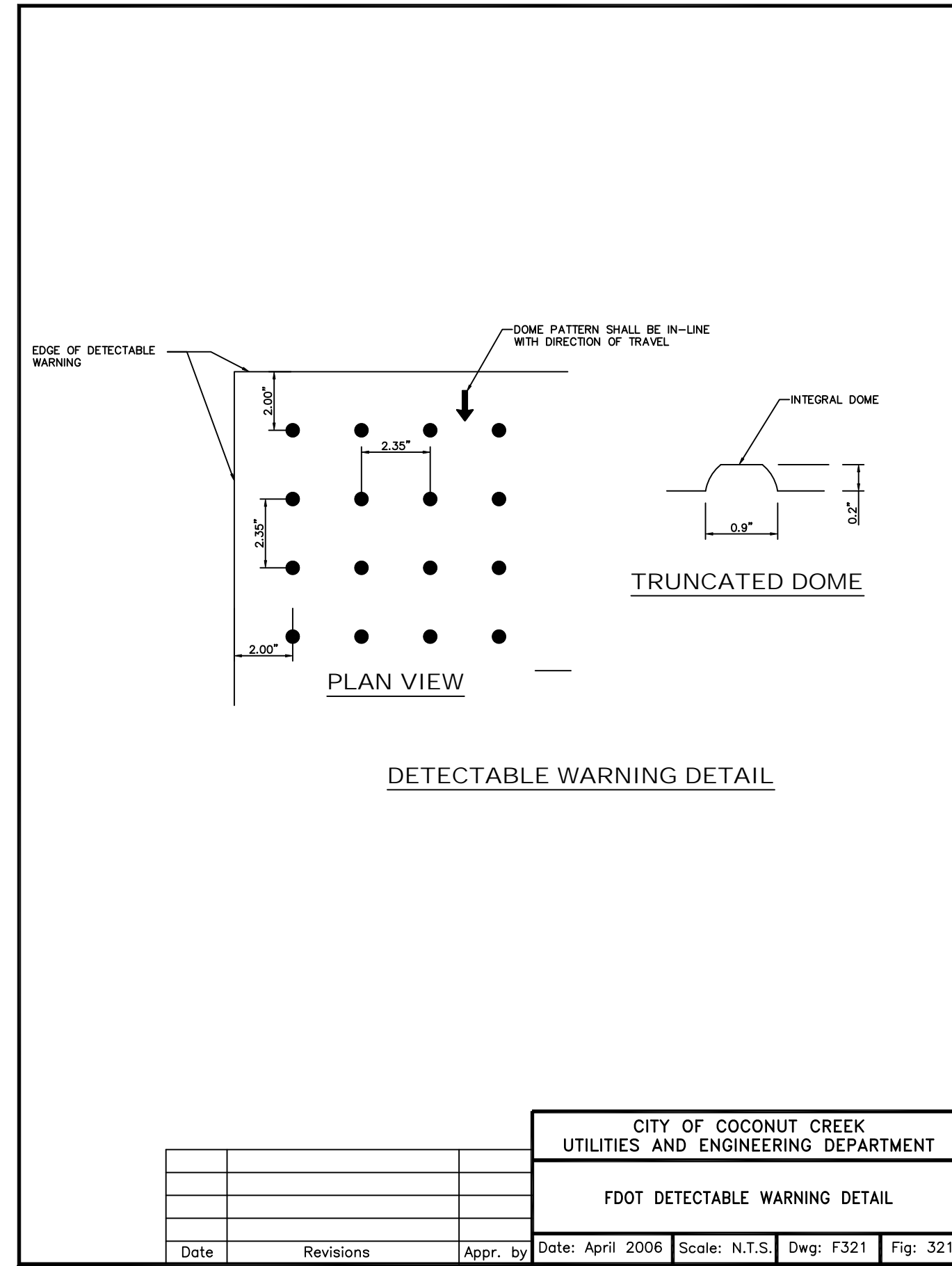
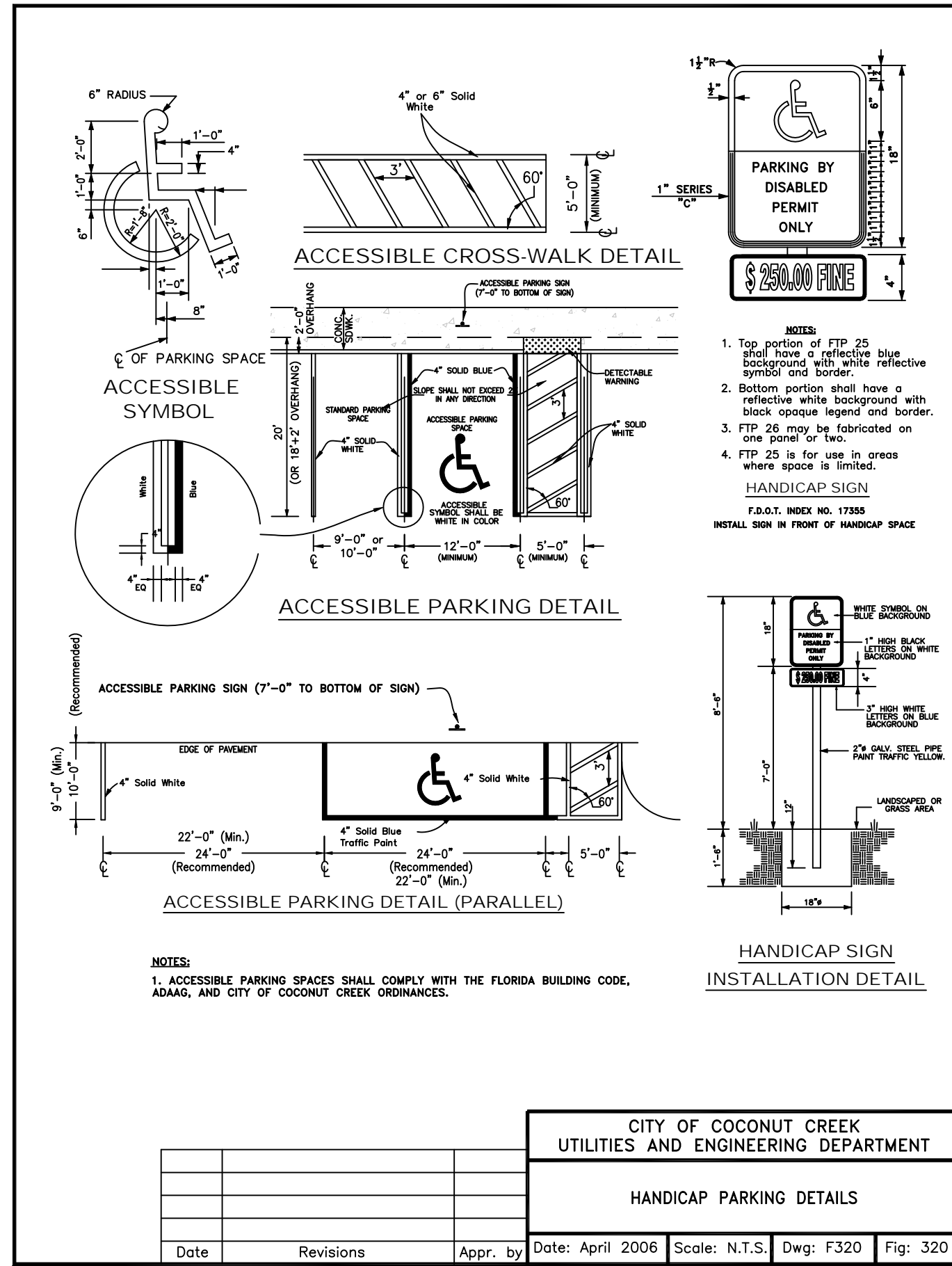
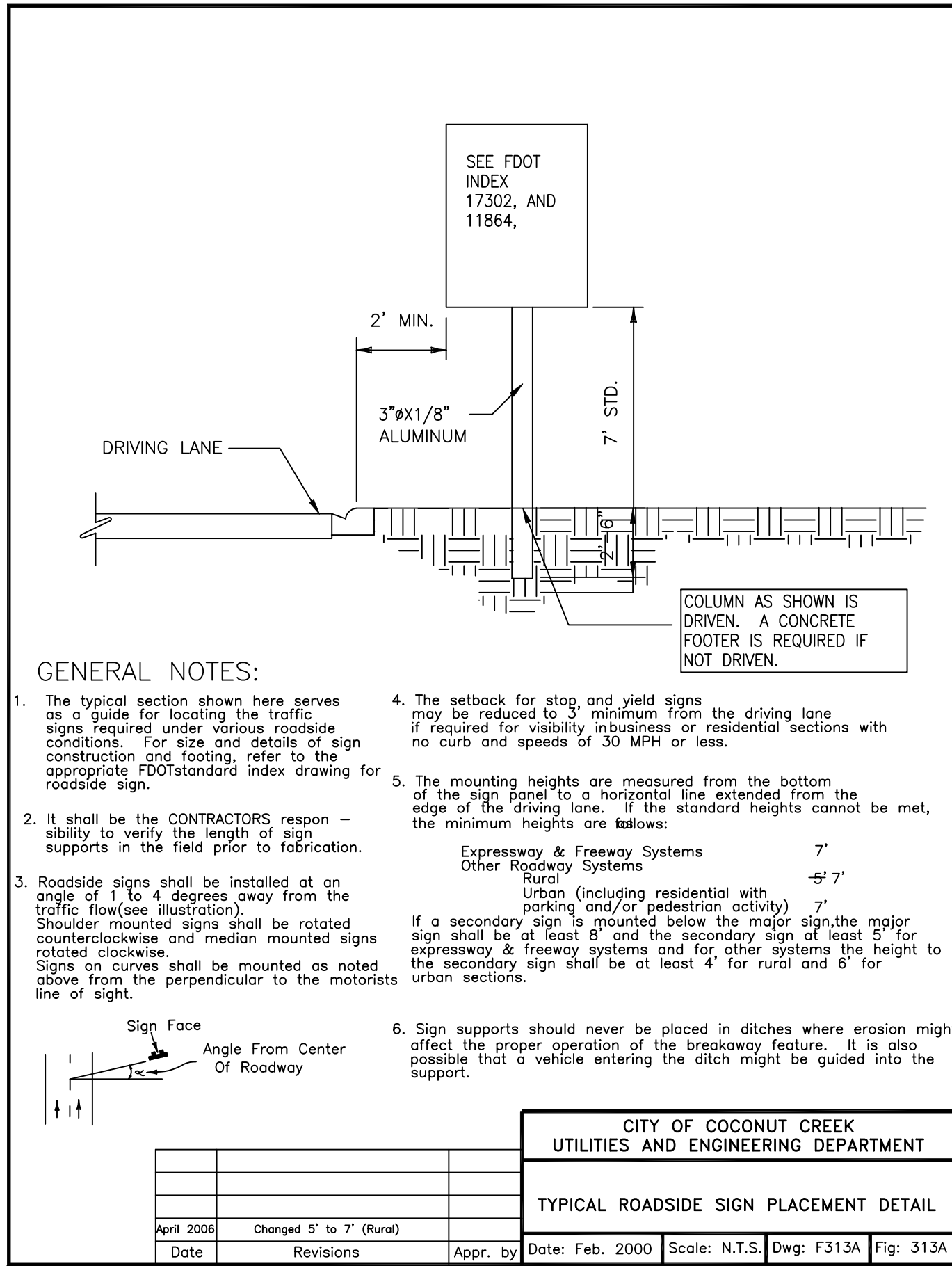
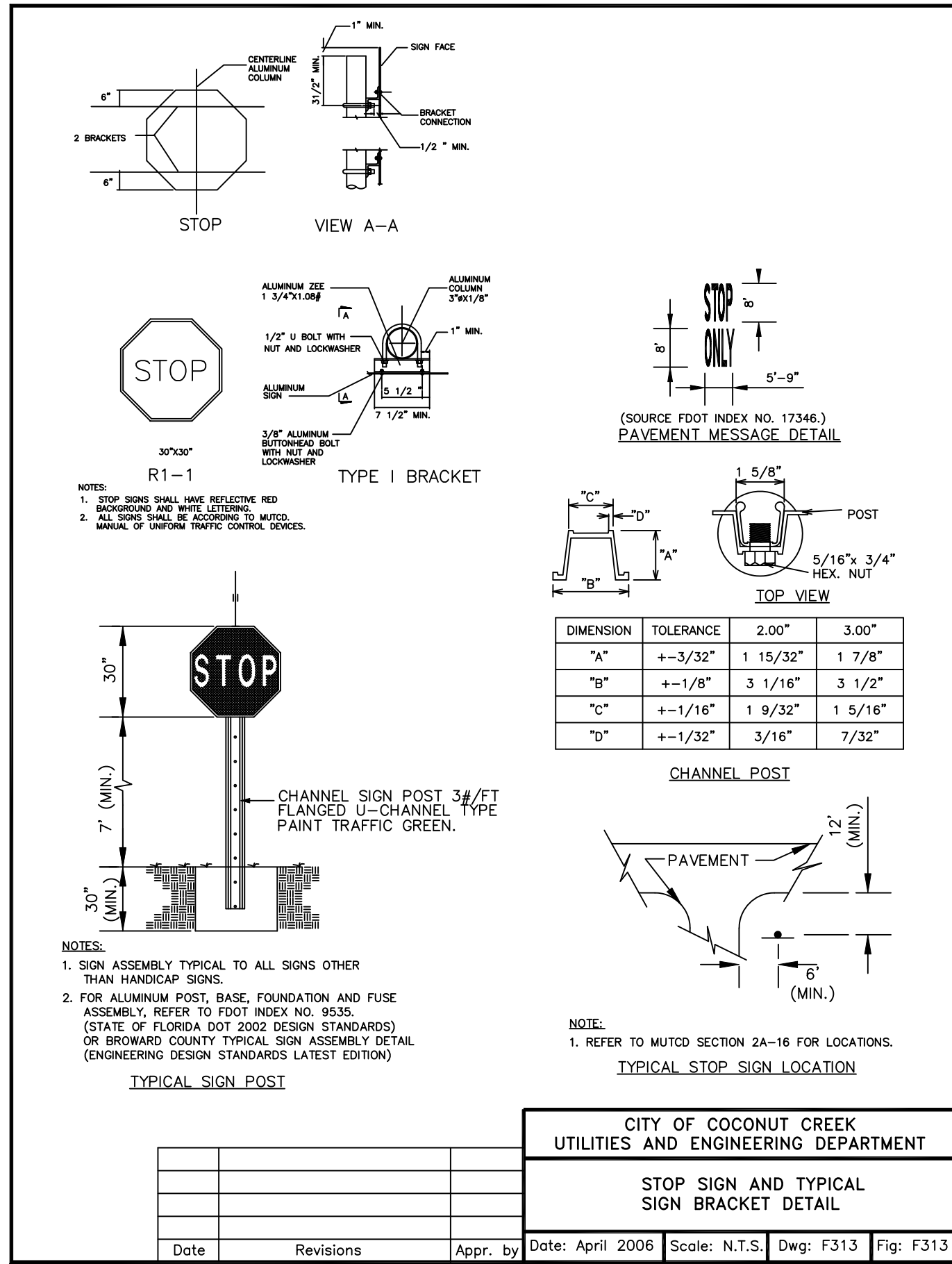
- ON-SITE PAVEMENT NOTES:**
- 1 1/2" THICK ASPHALT, TWO LIFTS, 3/4" TYPE S-3 ASPHALT.
 - THE BASE COURSE SHALL BE LIMEROCK (70% CALCIUM) 8" THICK PRIMED COMPACTED IN ACCORDANCE w/AASHTO SPECIFICATION T-180 TO 98% DENSITY, MIN. LBR 100.
 - 12" STABILIZED SUBGRADE MIN. DRY DENSITY 115 PCF COMPACTED TO 98% AASHTO T-180 METHOD "C" MIN. LBR TO BE 40.
 - 8" CONCRETE 3000 PSI w/FIBERMESH, SAWCUT AT 10' O.C. WITHIN 24 HOURS OF POUR.

NOTES:

- CONTRACTOR SHALL ADHERE TO THE CITY OF COCONUT CREEK'S ADOPTED EROSION CONTROL AND SEDIMENTATION CONTROL STANDARDS.
- EROSION AND SEDIMENTATION CONTROLS MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION, WHETHER TEMPORARY OR PERMANENT, AND SHALL NOT BE REMOVED UNTIL THE PROJECT HAS BEEN COMPLETED.
- ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.
- ALL ELEVATIONS ARE IN N.G.V.D.

NO.	DATE	DESCRIPTION

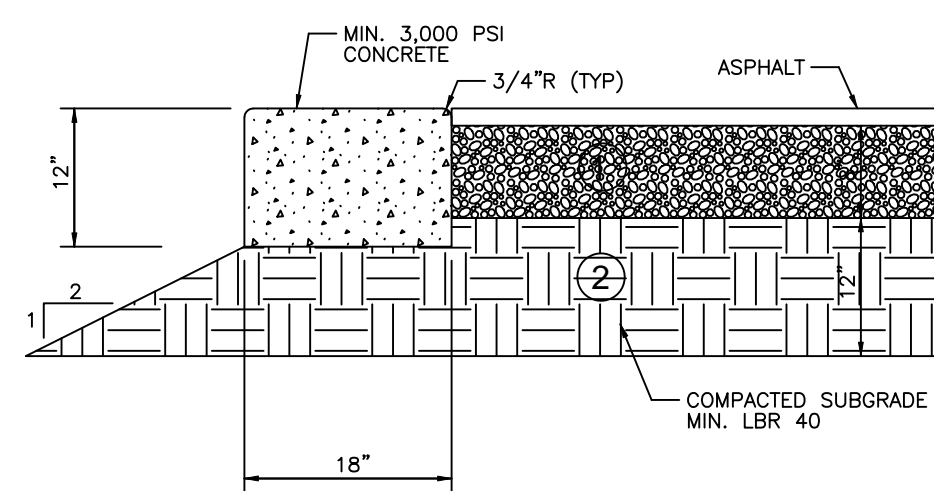
K:\PROJECTS\12-xxx\12-3516\dwg_3516d.dwg 5/29/2013 8:29 AM T.S. Sun-Tech Engineering, Inc. (A/E)



NOTES:
1. ALL ELEVATIONS ARE IN N.G.V.D.

NO.	DATE	DESCRIPTION

DATE:	Dec. 2012
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	M.A.S.
JOB NUMBER	12-3516
SHEET No.	PD5
SEAL	



HEADER CURB DETAIL

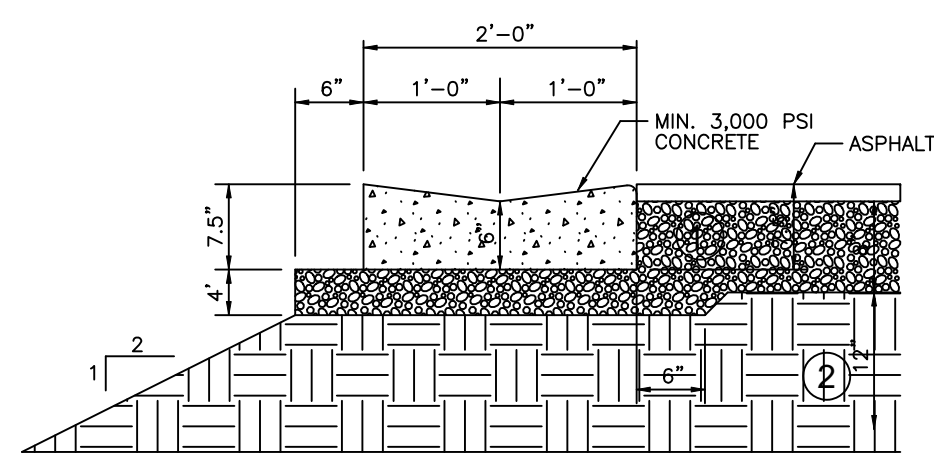
GENERAL NOTES:

1. LIMEROCK BASE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 100 AND MAXIMUM OF 6" LIFTS.
2. SUB GRADE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 40 AND A MAXIMUM OF 6" LIFTS.

ADDITIONAL CURBING NOTES:

1. DENSITY TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 5,000 SQUARE FEET, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
HEADER CURB DETAIL			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F354 Fig: 354



VALLEY GUTTER DETAIL

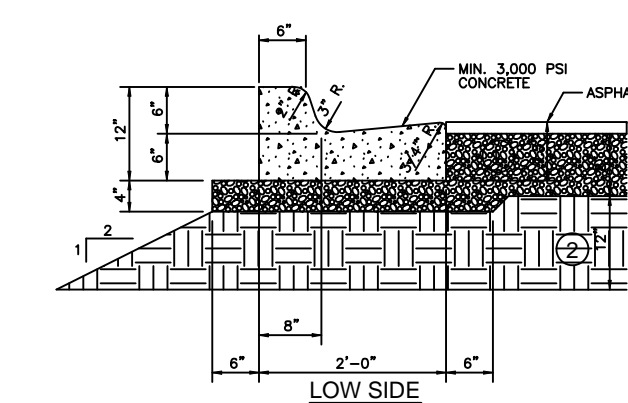
GENERAL NOTES:

1. LIMEROCK BASE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 100 AND MAXIMUM OF 6" LIFTS.
2. SUB GRADE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 40 AND A MAXIMUM OF 6" LIFTS.

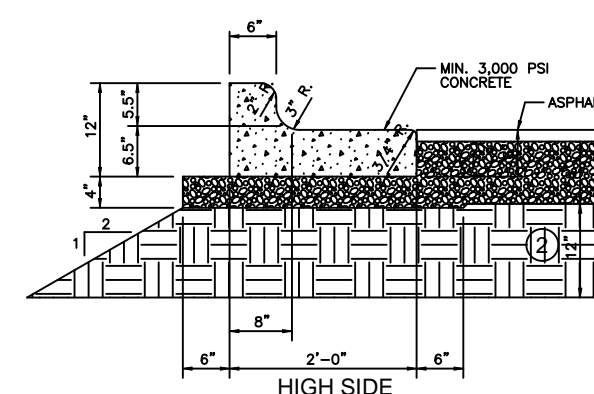
ADDITIONAL CURBING NOTES:

1. DENSITY TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 5,000 SQUARE FEET, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
VALLEY GUTTER CURB DETAIL			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F355 Fig: 355



NOTE:
WHEN USED ON HIGH SIDE OF ROADWAYS, THE GROSS SLOPE OF THE GUTTER SHALL MATCH THE GROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LF SHALL BE 6".



TYPE "F" CURB & GUTTER

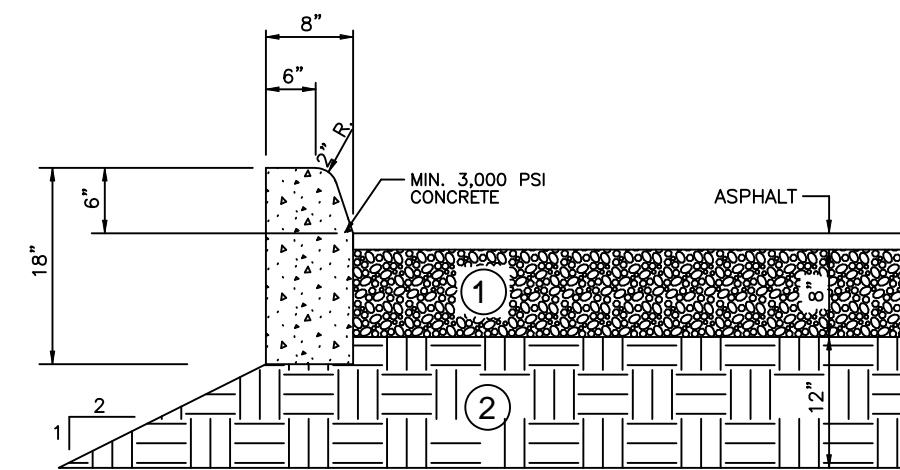
GENERAL NOTES:

1. LIMEROCK BASE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 100 AND MAXIMUM OF 6" LIFTS.
2. SUB GRADE SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH MINIMUM LBR 40 AND A MAXIMUM OF 6" LIFTS.

ADDITIONAL CURBING NOTES:

1. DENSITY TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 5,000 SQUARE FEET, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
TYPE "F" CURB AND GUTTER DETAIL			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F356 Fig: 356



TYPE "D" CONCRETE CURB

GENERAL NOTES:

1. CONCRETE CYLINDER TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 50 CU. YDS. OR LESS, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
TYPE "D" CURB			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F357 Fig: 357

NO.	DATE	DESCRIPTION

JOHNSON TECHNOLOGY CENTER
FORTS
FLORIDA
CITY OF COCONUT CREEK
PAVING & DRAINAGE DETAILS

DATE:
Dec. 2012

SCALE:
N.T.S.

DESIGNED BY:
M.G.

DRAWN BY:
M.A.S.

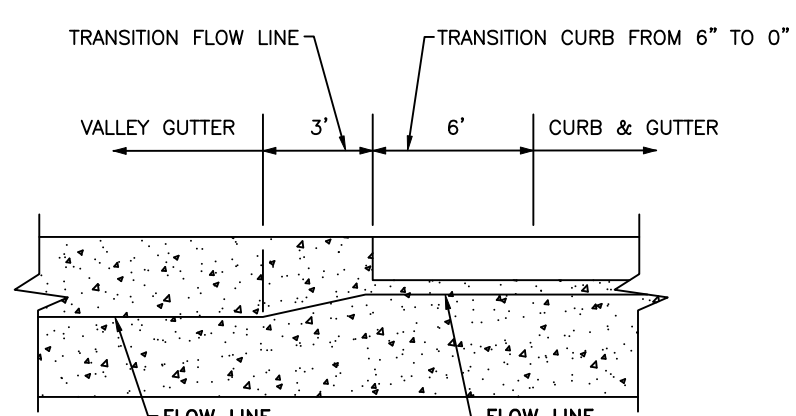
JOB NUMBER
12-3516

SHEET No.
PD6

SEAL
May 28 2013

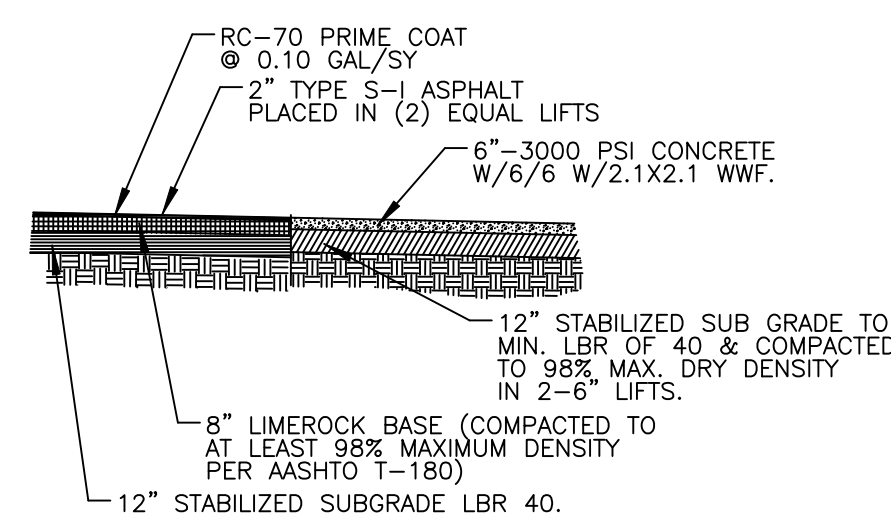
CLIFFORD R. LOUTAN, P.E.
FL. REG. NO. 56890

Sun-Tech Engineering, Inc.
Engineers - Planners - Surveyors
1600 West Oakland Park Boulevard
Ft. Lauderdale, FL 33311
www.suntecheng.com
Certificate of Auth. # 7087
Phone (954)777-3123
Fax (954)777-3114



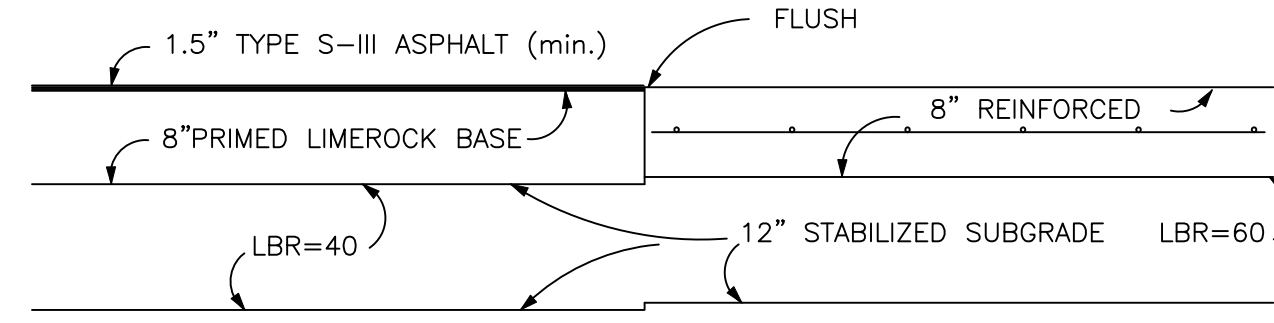
TRANSITION CURB AND GUTTER TO VALLEY GUTTER

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
TRANSITION CURB AND GUTTER TO VALLEY GUTTER			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F358 Fig: 358



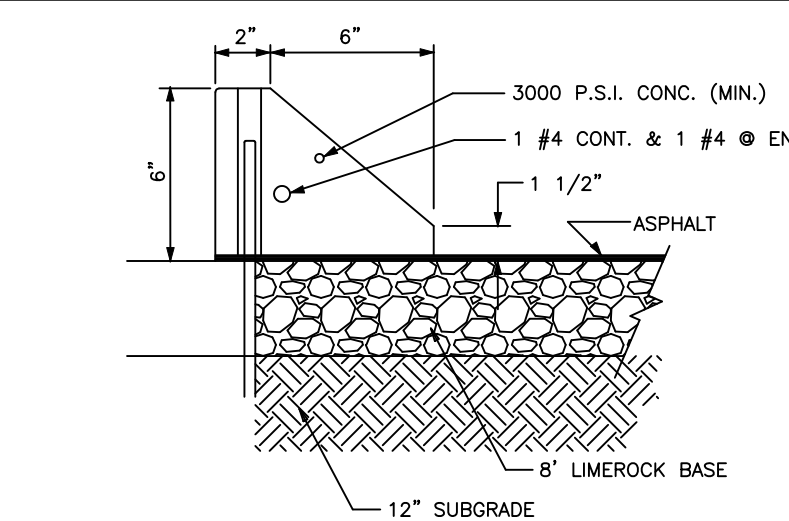
ASPHALT-CONCRETE CONNECTION DETAIL

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
ASPHALT-CONCRETE CONNECTION DETAIL			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F359 Fig: F359



TYPICAL ASPHALT/CONCRETE JOINT

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
TYPICAL ASPHALT CONCRETE JOINT			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F360 Fig: 360



WHEELSTOP DETAIL

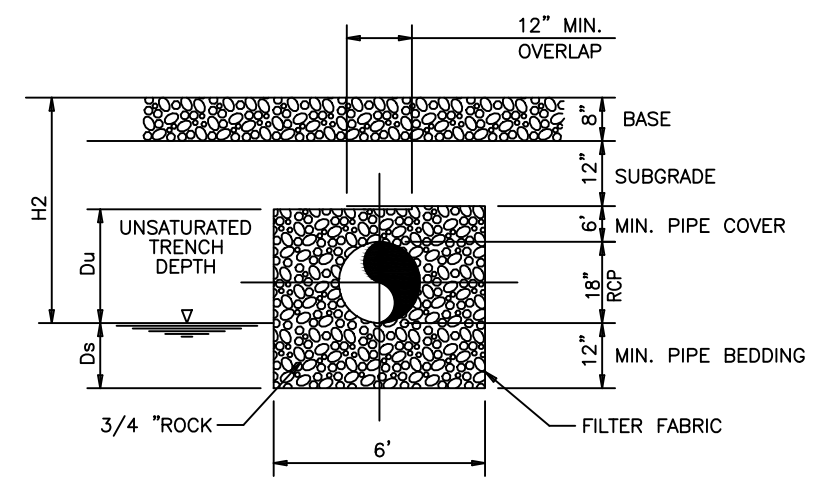
NOTES:
1. CONCRETE STRENGTH SHALL BE 3,000 P.S.I.

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
WHEELSTOP DETAIL			
Date	Revisions	Appr. by	Date: April 2008 Scale: N.T.S. Dwg: F362 Fig: 362

NOTES:

1. ALL ELEVATIONS ARE IN N.G.V.D.

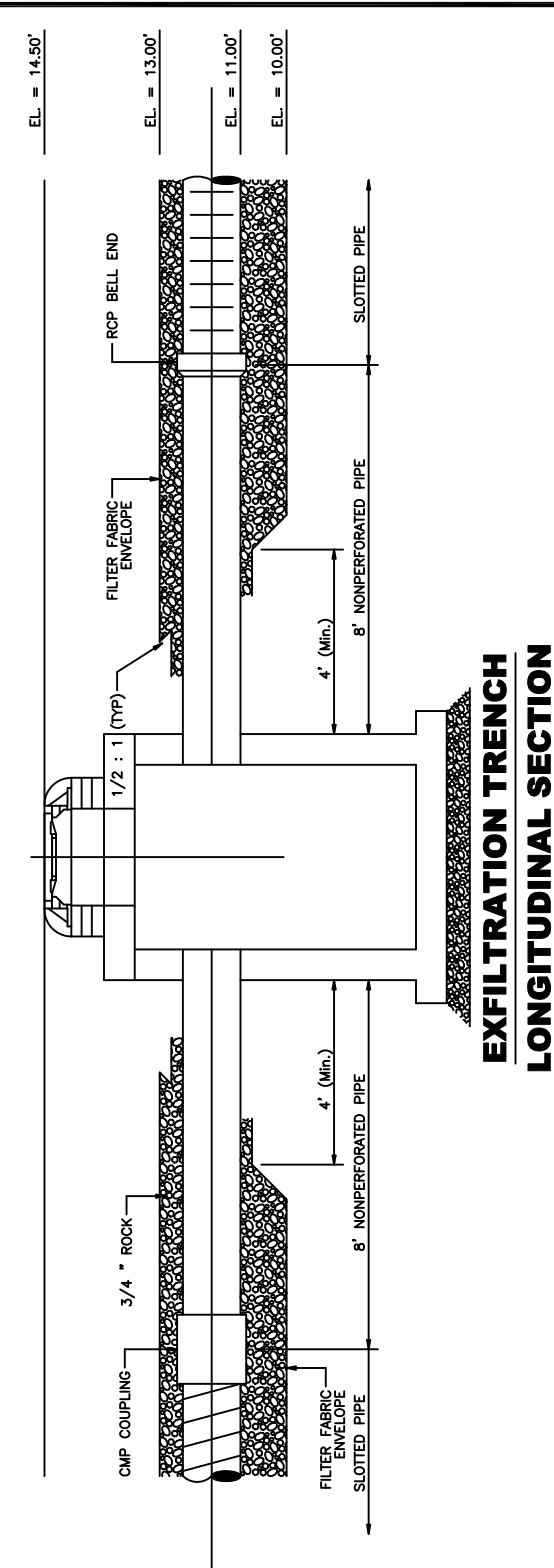
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L = LENGTH OF TRENCH REQUIRED (FEET)
 V = VOLUME TREATED (ACRE - INCHES)
 W = TRENCH WIDTH (FEET)
 K = HYDRAULIC CONDUCTIVITY (CFS/FT² - FT. HEAD)
 H₂ = DEPTH TO WATER TABLE (FEET)
 D_U = NON-SATURATED TRENCH DEPTH (FEET)
 D_S = SATURATED TRENCH DEPTH (FEET)

TYPICAL EXFILTRATION TRENCH

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
TYPICAL EXFILTRATION TRENCH			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F370 Fig: 370



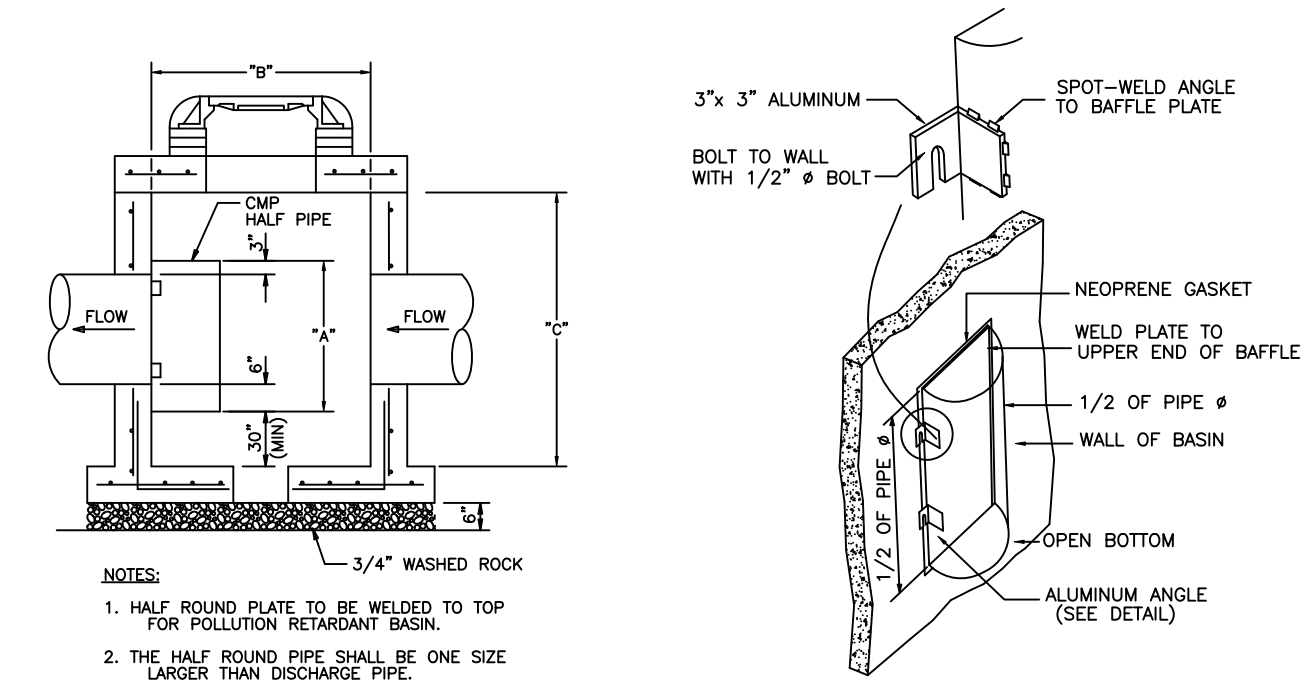
EXFILTRATION TRENCH
LONGITUDINAL SECTION

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
EXFILTRATION TRENCH LONGITUDINAL SECTION			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F371 Fig: 371

NOTES:
 GEOWEB SPECIFICATIONS GW20V - 100 MM (4 IN) DEPTH
 (BY PRESTO PRODUCTS OR EQUAL)
BASE MATERIAL:
 POLYMER - POLYETHYLENE WITH DENSITY OF 0.935-0.965 G/CM³
 COLOR - BLACK
 STABILIZER - CARBON BLACK CONTENT 105-2.0% BY WEIGHT
 MINIMUM ESCR - 3000 HR
STRIP PROPERTIES:
SURFACE TREATMENT
 PERFORMANCE - THE POLYETHYLENE STRIPS SHALL BE TEXTURED AND PERFORATED SUCH THAT THE PEAK FRICTION ANGLE BETWEEN THE SURFACE OF THE TEXTURED/PERFORATED PLASTIC AND A # 40 SILICA SAND AT 100% RELATIVE DENSITY SHALL BE NO LESS THAN 65% OF THE PEAK FRICTION ANGLE OF THE SILICA SAND IN ISOLATION WHEN TESTED BY THE DIRECT SHEAR METHOD PER ASTM D 5321. THE QUANTITY OF PERFORATIONS SHALL REMOVE 13.8% ± 2.1% OF THE CELL WALL AREA. MATERIAL - THE POLYETHYLENE STRIPS SHALL BE TEXTURED WITH A MULTITUDE OF RHOMBICAL (DIAMOND SHAPE) INDENTATIONS. THE RHOMBICAL INDENTATIONS SHALL HAVE A SURFACE DENSITY OF 22-31 PEN SQUARE CENTIMETER (140-200 PER SQUARE INCH). IN ADDITION, THE STRIPS SHALL BE PERFORATED WITH HORIZONTAL ROWS OF 10 MM (0.391 IN.) DIAMETER HOLES. PERFORATIONS WITHIN EACH ROW SHALL BE 19 MM (0.75 IN.) ON-CENTER. HORIZONTAL ROWS SHALL BE STAGGERED AND SEPARATED 12 MM (0.50 IN.) RELATIVE TO THE HOLE CENTERS. OUTER PERFORATION CENTERS SHALL BE 12 MM (0.50 IN.) FROM THE STRIP EDGES AND 25 MM (1.0 IN.) FROM THE CELL WELD POINTS.

CELL AND SEAM PROPERTIES:
CELL DETAILS
 DEPTH - 100 MM (4 IN.)
 LENGTH - 224 MM (8.8 IN.)
 WIDTH - 259 MM (10.2 IN.)
 DENSITY PER SQUARE METER (SQUARE YARD) - 38.4 (28.9)
 NOMINAL AREA ± 1 % - 289 SQUARE CENTIMETER (44.8 SQUARE INCHES)
SHORT-TERM SEAM PEEL STRENGTH
 CELL DEPTH - 75 MM (3 IN.)
 MINIMUM CERTIFIED CELL SEAM STRENGTH - 1420 N (320 LBF)
SEAM HANG STRENGTH TEST
 A 100 MM (4 IN.) WIDE SEAM SHALL SUPPORT A 72.5 KG. (160 LB) LOAD FOR 7 DAYS MINIMUM IN A TEMPERATURE-CONTROLLED ENVIRONMENT UNDERGOING A TEMPERATURE CHANGE ON A 1-HOUR CYCLE FROM AMBIENT ROOM TO 54° C (130° F). AMBIENT ROOM TEMPERATURE PER ASTM E 41.
ALTERNATIVE SEAM HANG STRENGTH TEST
 A 100 MM (4 IN.) WIDE SEAM SHALL SUPPORT A 72.5 KG. (160 LB) LOAD FOR 30 DAYS IN AN AMBIENT ROOM TEMPERATURE ENVIRONMENT. AMBIENT ROOM TEMPERATURE PER ASTM E 41.
SECTION PROPERTIES:
SECTION DIMENSIONS
 SECTION WIDTH (VARIABLE) 2.3 M (7.7 FT.) TO 2.8 M (9.2 FT.)
 SECTION LENGTH RANGE - MINIMUM 3.7 M (12.0 FT.) MAXIMUM 9.8 M (32.2 FT.)

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
GEOWEB - SPECIFICATIONS			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F372 Fig: 372

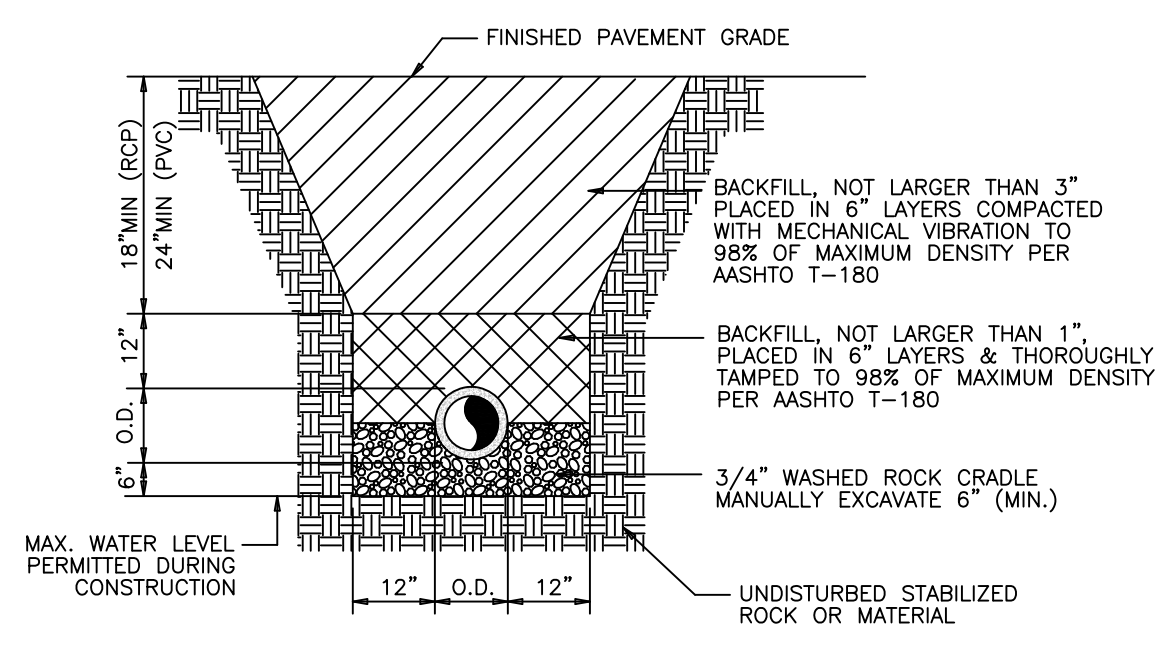


- NOTES:**
1. HALF ROUND PLATE TO BE WELDED TO TOP FOR POLLUTION RETARDANT BASIN.
 2. THE HALF ROUND PIPE SHALL BE ONE SIZE LARGER THAN DISCHARGE PIPE.
 3. FOR STRUCTURE'S CONSTRUCTION DIMENSIONS AND SPECS., SEE PRECAST CATCH BASIN DETAIL.
 4. WEEP HOLES ARE NOT PERMITTED IN WELDFIELD AREAS.

POLLUTION RETARDANT BAFFLE

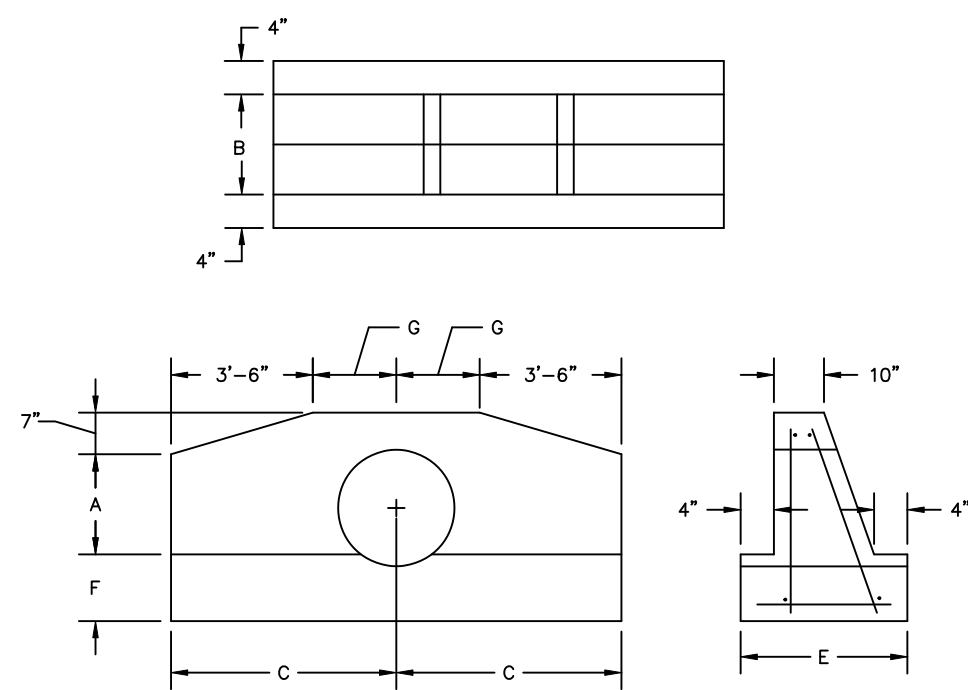
PIPE DIAMETER	BAFFLE SCHEDULE		
	"A"	"B"	"C"
15"	27"	24"	37"
18"	30"	24"	37"
24"	36"	36"	36"
30"	42"	36"	42"
36"	48"	42"	54"
42"	56"	56"	56"
48"	60"	48"	60"
60"	72"	72"	72"

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
POLLUTION RETARDANT BAFFLE			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F373 Fig: 373



TYPICAL TRENCH DETAIL

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
PIPE INSTALLATION TRENCH DETAIL (STORM DRAIN)			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F374 Fig: 374

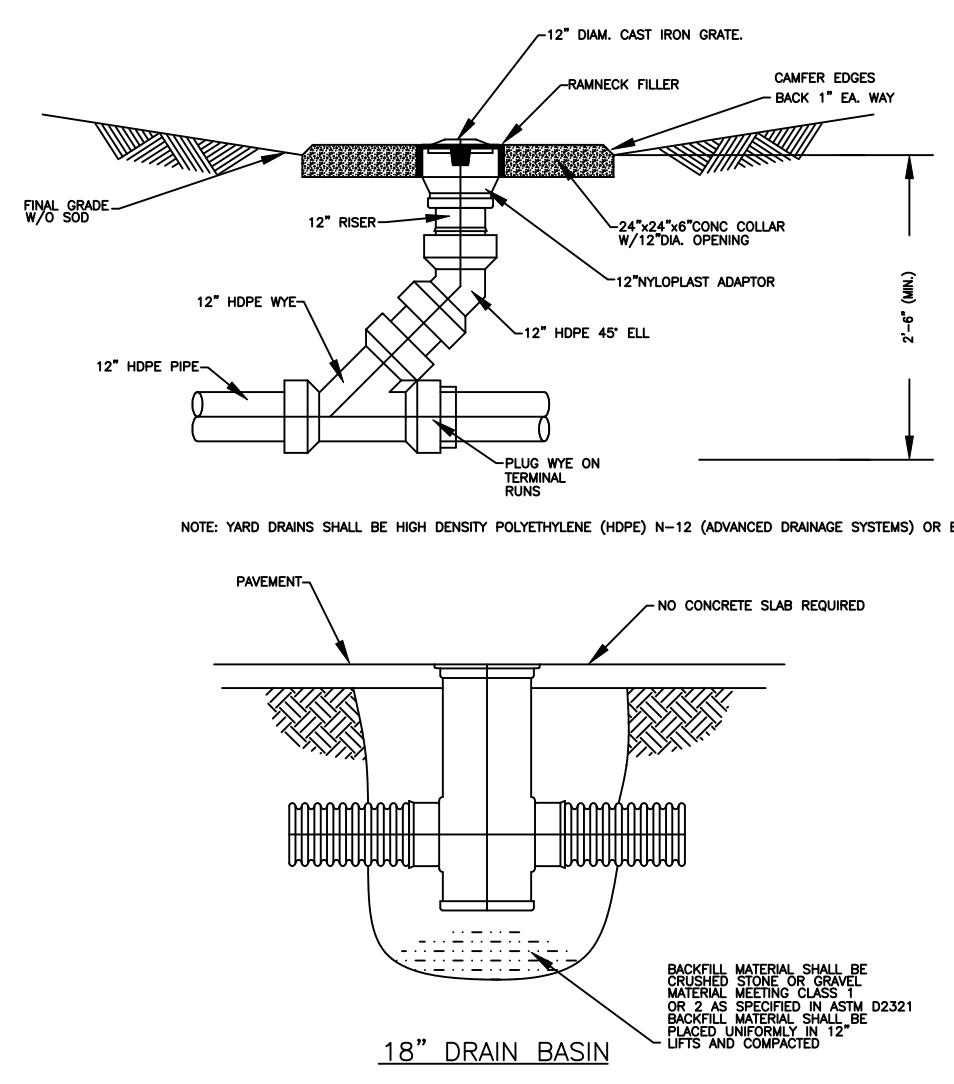


PIPE SIZE	A	B	C	E	F	G
15"	1'-11"	1'-2"	4'-0"	1'-10"	1'-2"	0'-6"
18"	2'-2"	1'-3"	4'-6"	1'-11"	1'-3"	1'-0"
24"	2'-8"	1'-4"	5'-0"	2'-0"	1'-4"	1'-6"

F.D.O.T. STRAIGHT ENDWALL

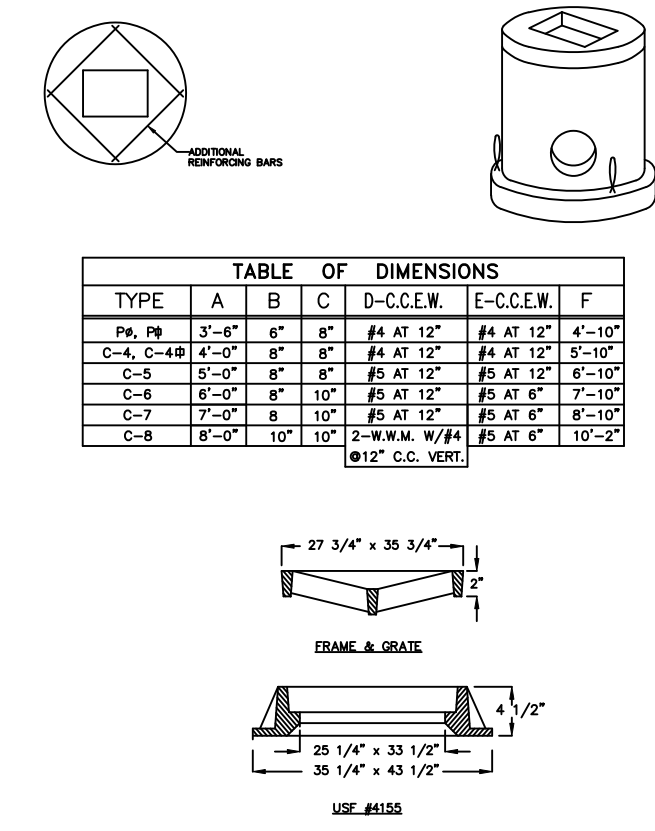
NOTE: REFER TO FOOT INDEX NO. 250 FOR ADDITIONAL DETAILS AND SPECIFICATIONS

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
F.D.O.T. STRAIGHT ENDWALL			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F375 Fig: 375



YARD INLET DETAIL (NYLOPLAST OR EQUAL)

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
YARD DRAIN DETAIL			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F378 Fig: 378



PRECAST ROUND OR RECTANGULAR CATCH BASIN

CITY OF COCONUT CREEK UTILITIES AND ENGINEERING DEPARTMENT			
PRECAST CATCH BASIN			
Date	Revisions	Appr. by	Date: April 2006 Scale: N.T.S. Dwg: F379 Fig: 379

NOTES:
 1. ALL ELEVATIONS ARE IN N.G.V.D.

REVISIONS	
NO.	DATE

DATE:
 Dec. 2012

SCALE:
 N.T.S.

DESIGNED BY:
 M.G.

DRAWN BY:
 M.A.S.

JOB NUMBER
 12-3516

SHEET No.
 PD7

SEAL

May 28 2013
 CLIFFORD R. LOUTAN, P.E.
 FL. REG. NO. 56890

NO.	DATE	DESCRIPTION

DATE:	Dec. 2012
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	M.A.S.
JOB NUMBER	12-3516
SHEET No.	PD8
SEAL	
	May 28 2013

PRECAST DRAINAGE MANHOLE
 (USF 421-C)

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F380	Fig: 380
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CURB & GUTTER INLET
 (USF 5130-6168)

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F381	Fig: 381
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TYPE "J" STRUCTURE

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F384	Fig: 384
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TYPICAL APRON DETAILS

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F387	Fig: 387
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SWALE SECTION DESIGN

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: 390	Fig: 390
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PAVER INSTALLATION

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg:	Fig:
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SAMPLE PEDESTRIAN RAMPS

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F407	Fig: 407
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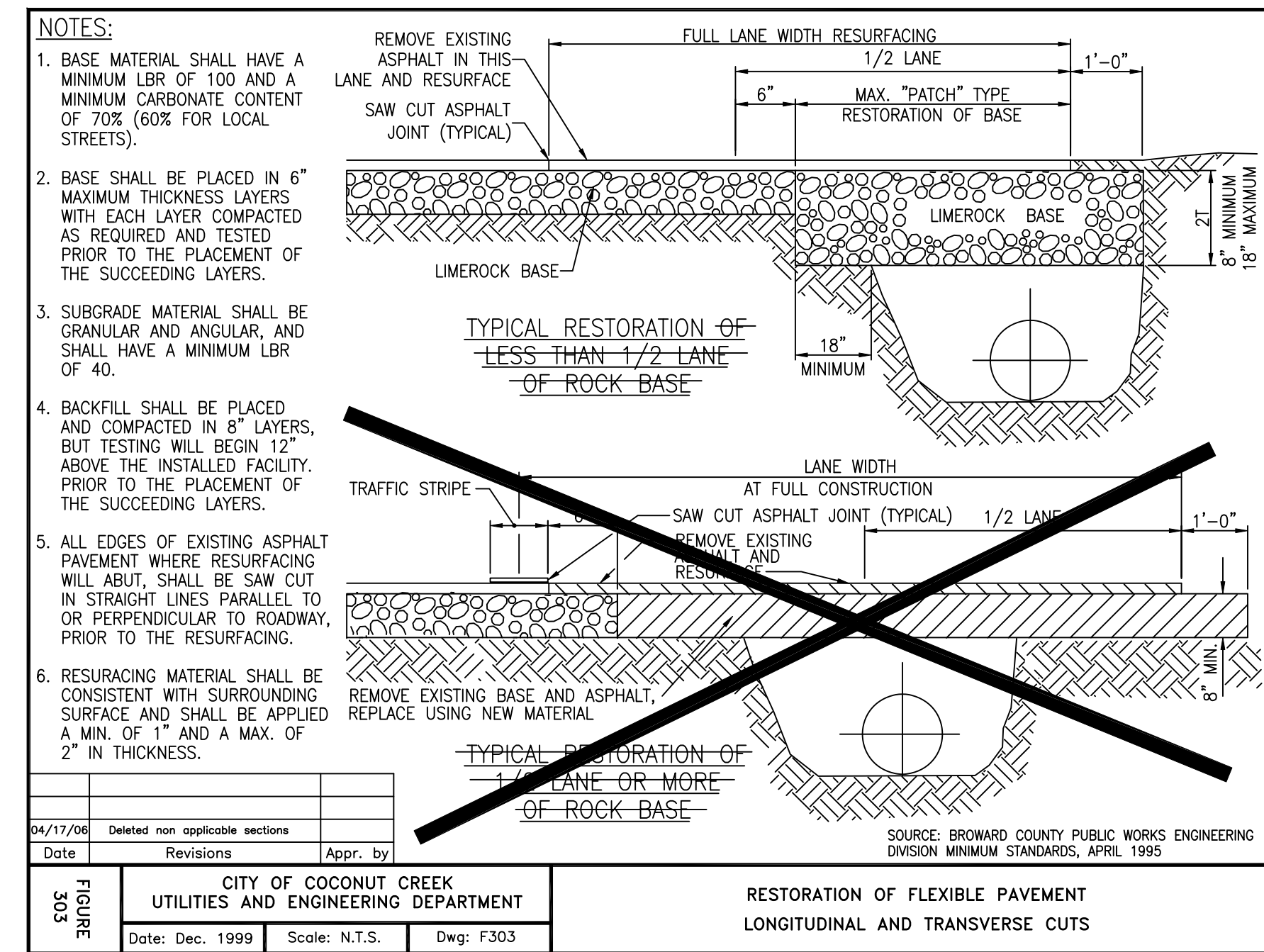
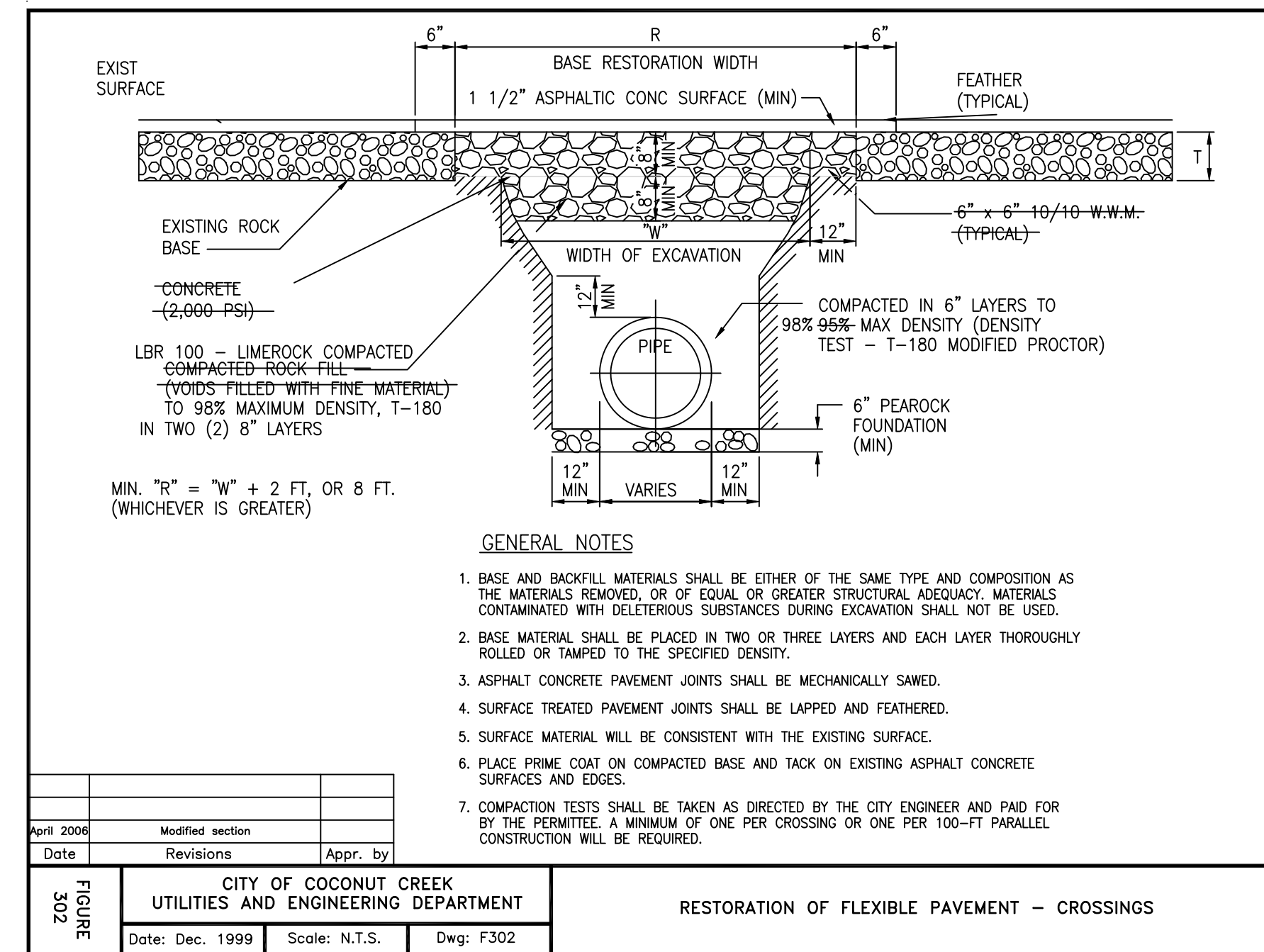
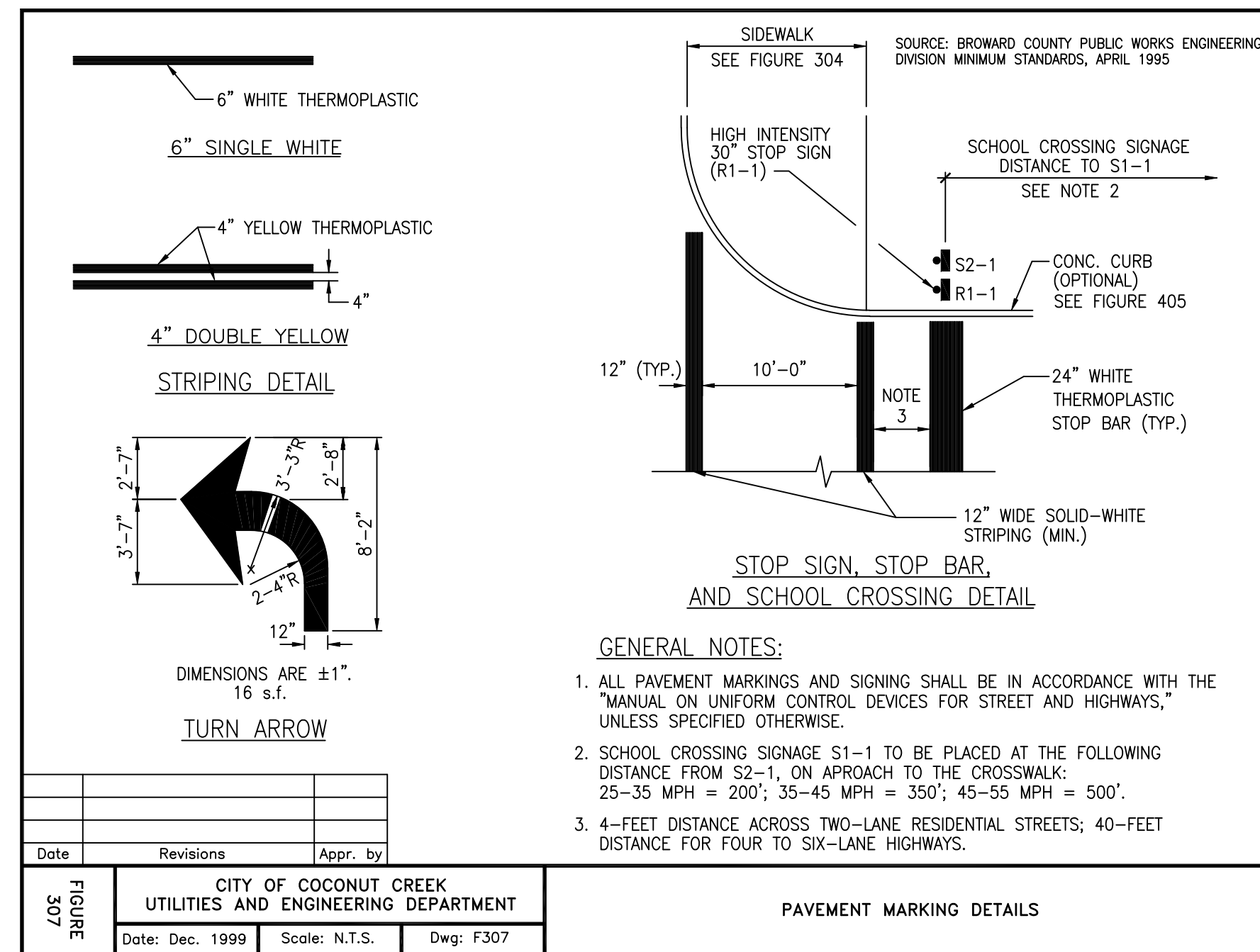
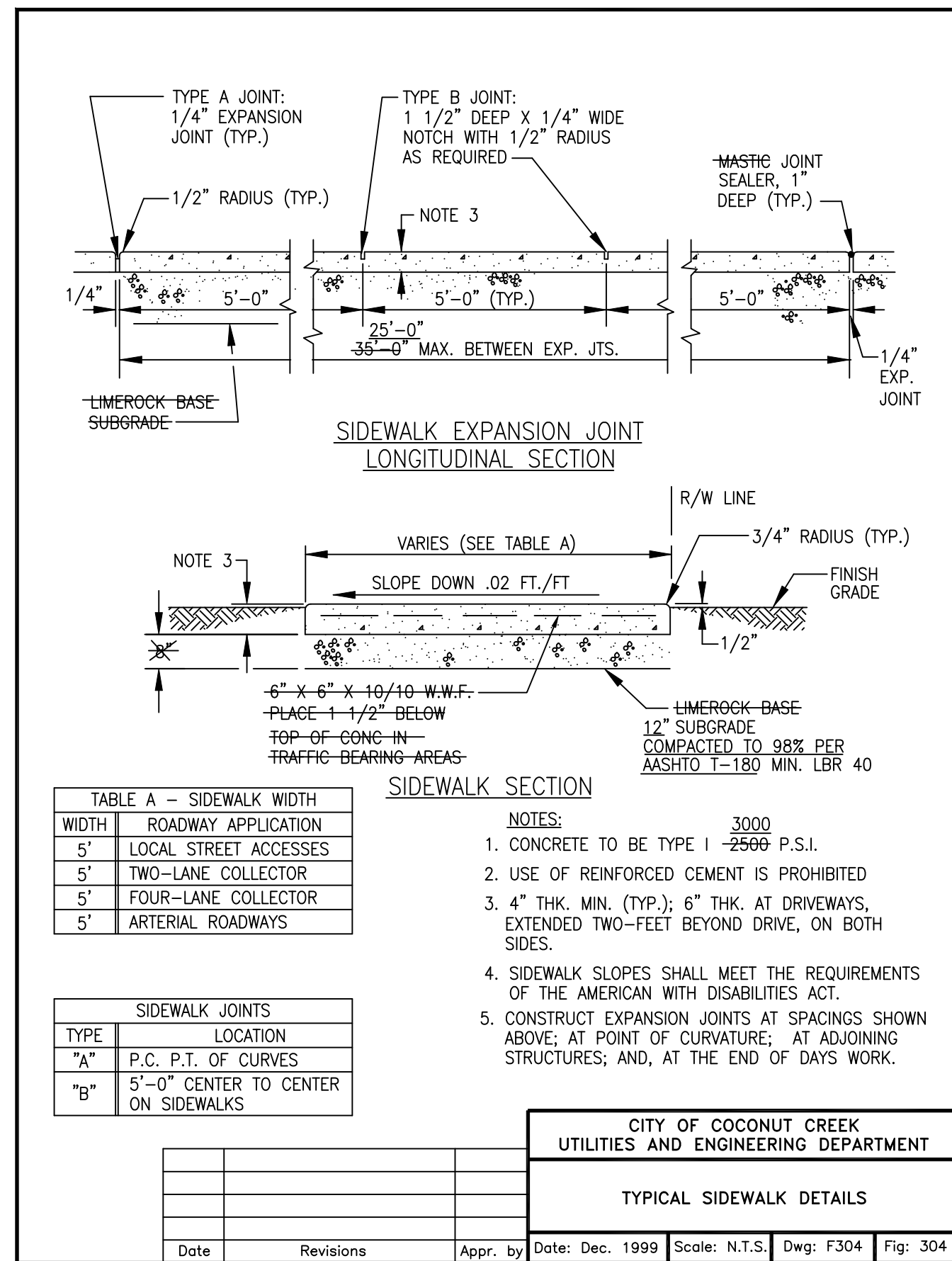
TYPICAL PARKING SPACE

CITY OF COCONUT CREEK
 UTILITIES AND ENGINEERING DEPARTMENT

Date	Revisions	Appr. by	Date: April 2006	Scale: N.T.S.	Dwg: F409	Fig: 409
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NOTES:
 1. ALL ELEVATIONS ARE IN N.G.V.D.

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NOTES:

- ALL ELEVATIONS ARE IN N.G.V.D.

REVISIONS

NO.	DATE	DESCRIPTION

DATE: **Dec. 2012**

SCALE: **N.T.S.**

DESIGNED BY: **M.G.**

DRAWN BY: **M.A.S.**

JOB NUMBER: **12-3516**

SHEET No. **PD9**

SEAL

May 28 2013

CLIFFORD R. LOUTAN, P.E.
 FL. REG. NO. 56890

REVISIONS	
NO.	DESCRIPTION
1	PER E.P.D. REVIEW

JOHNSON TECHNOLOGY CENTER
FORTS
 CITY OF COCONUT CREEK
WATER & SEWER PLAN
 FLORIDA

DATE:
Dec. 2012

SCALE:
1"=30'

DESIGNED BY:
M.G.

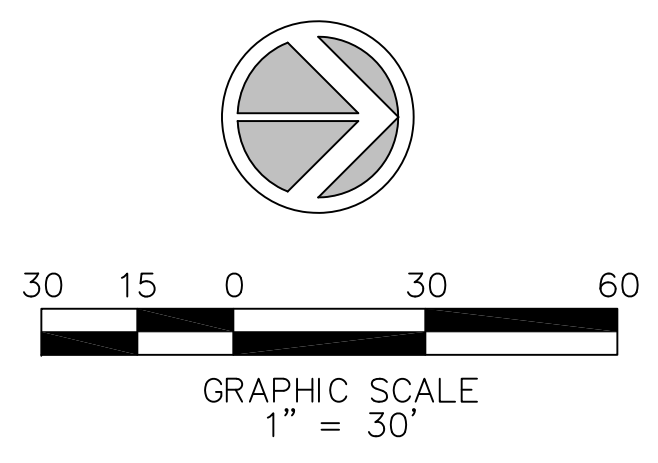
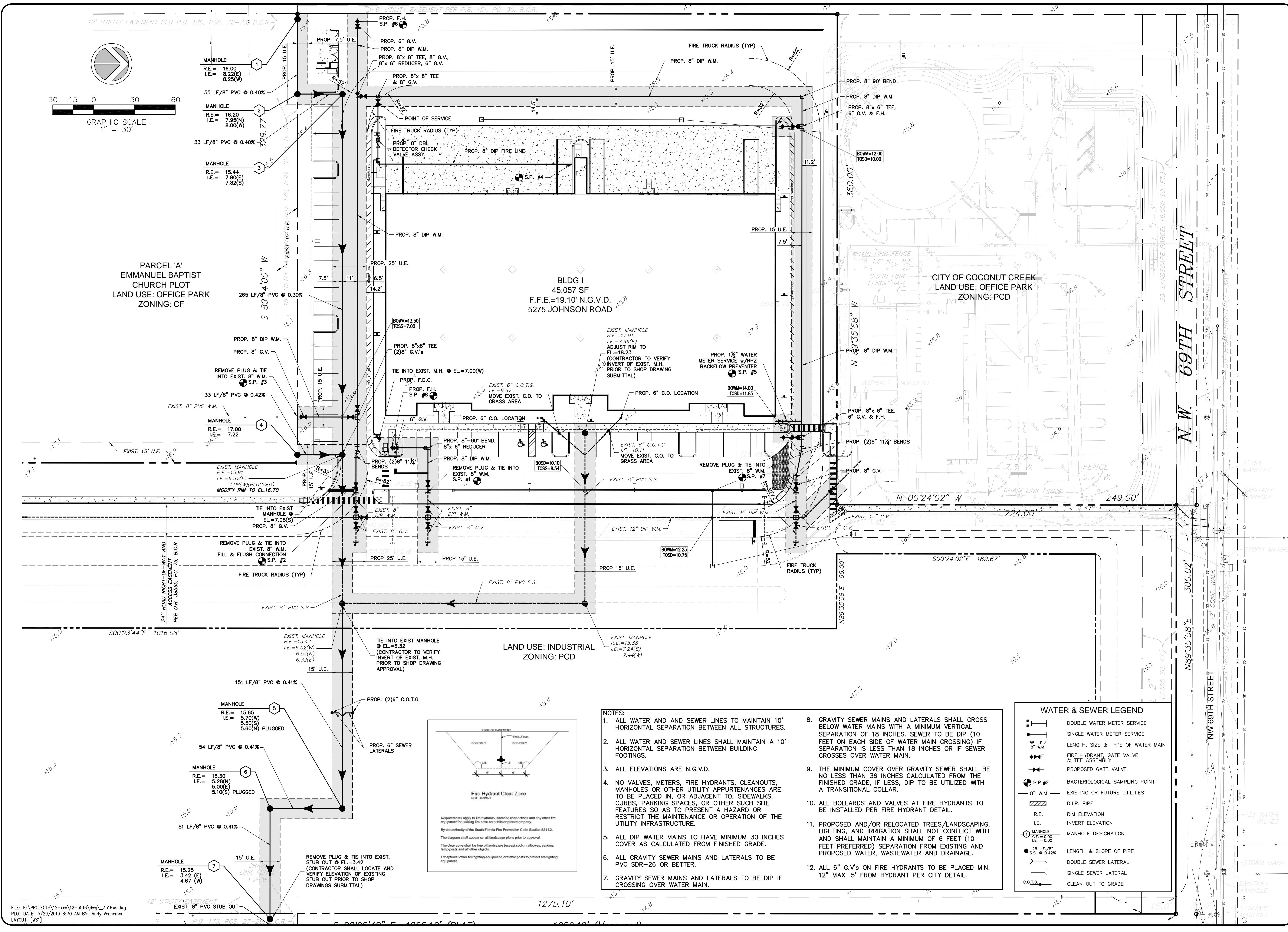
DRAWN BY:
A.E.V.

JOB NUMBER
12-3516

SHEET No.
WS1

SEAL

May 28 2013
 CLIFFORD R. LOUTAN, P.E.
 FL. REG. NO. 56890



PARCEL 'A'
 EMMANUEL BAPTIST
 CHURCH PLOT
 LAND USE: OFFICE PARK
 ZONING: CF

BLDG I
 45,057 SF
 F.F.E.=19.10' N.G.V.D.
 5275 JOHNSON ROAD

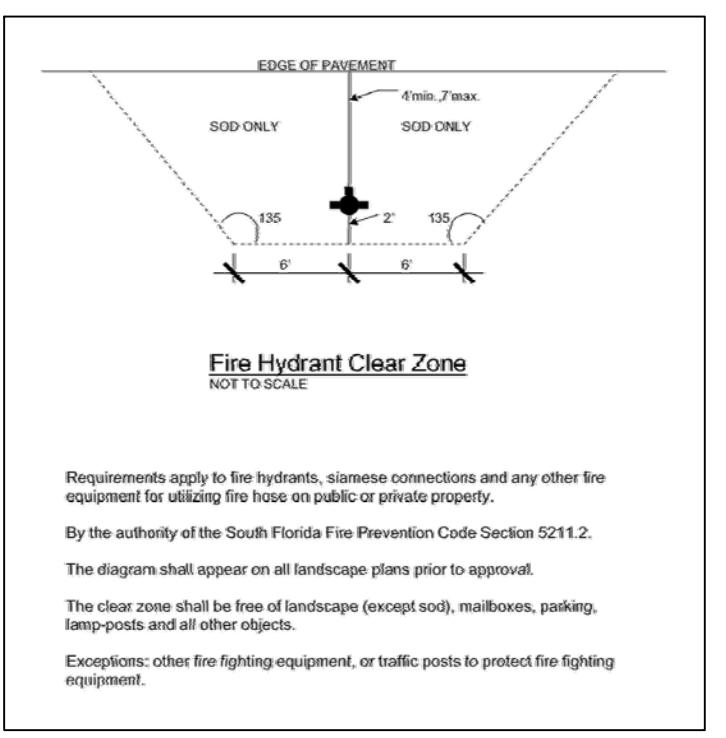
CITY OF COCONUT CREEK
 LAND USE: OFFICE PARK
 ZONING: PCD

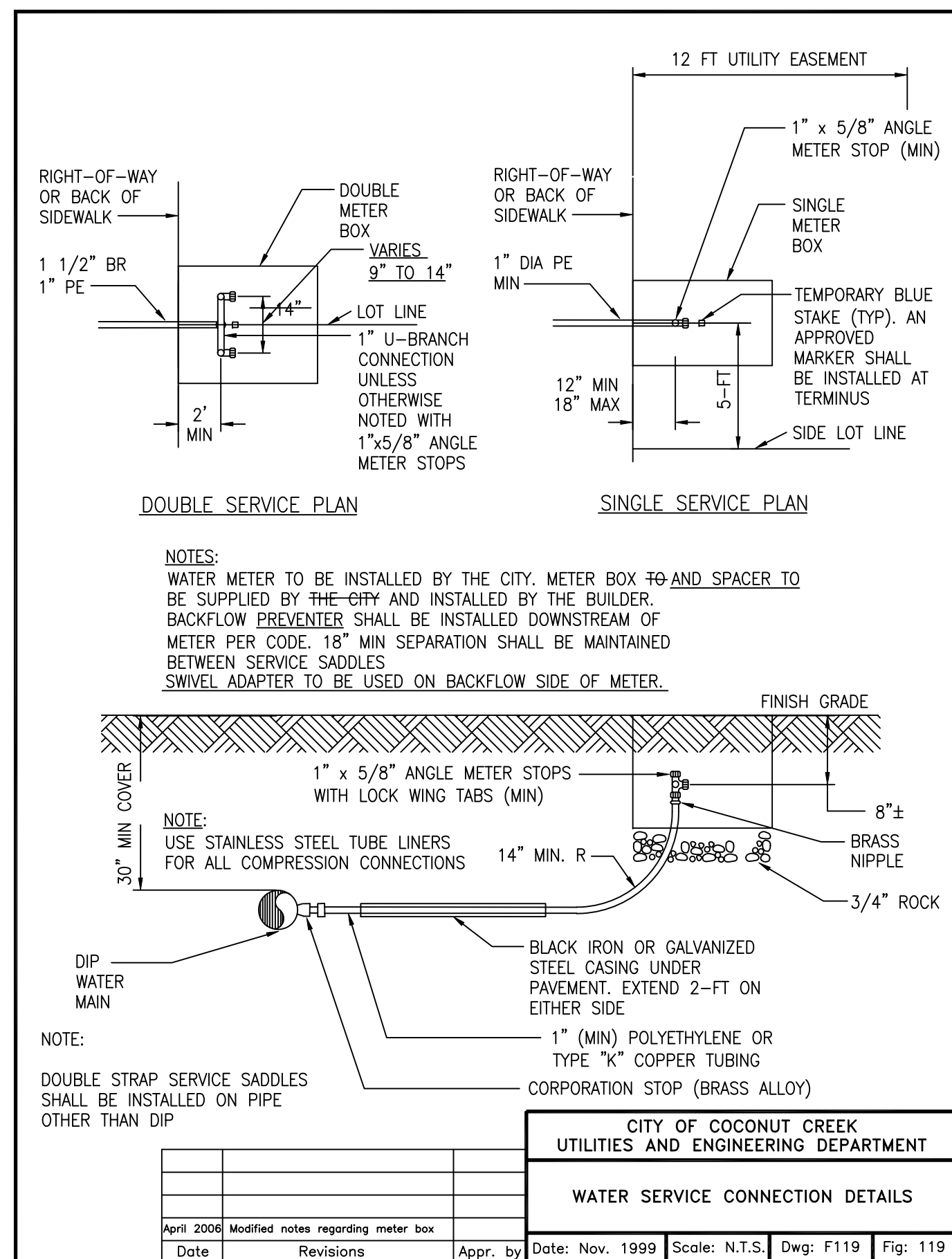
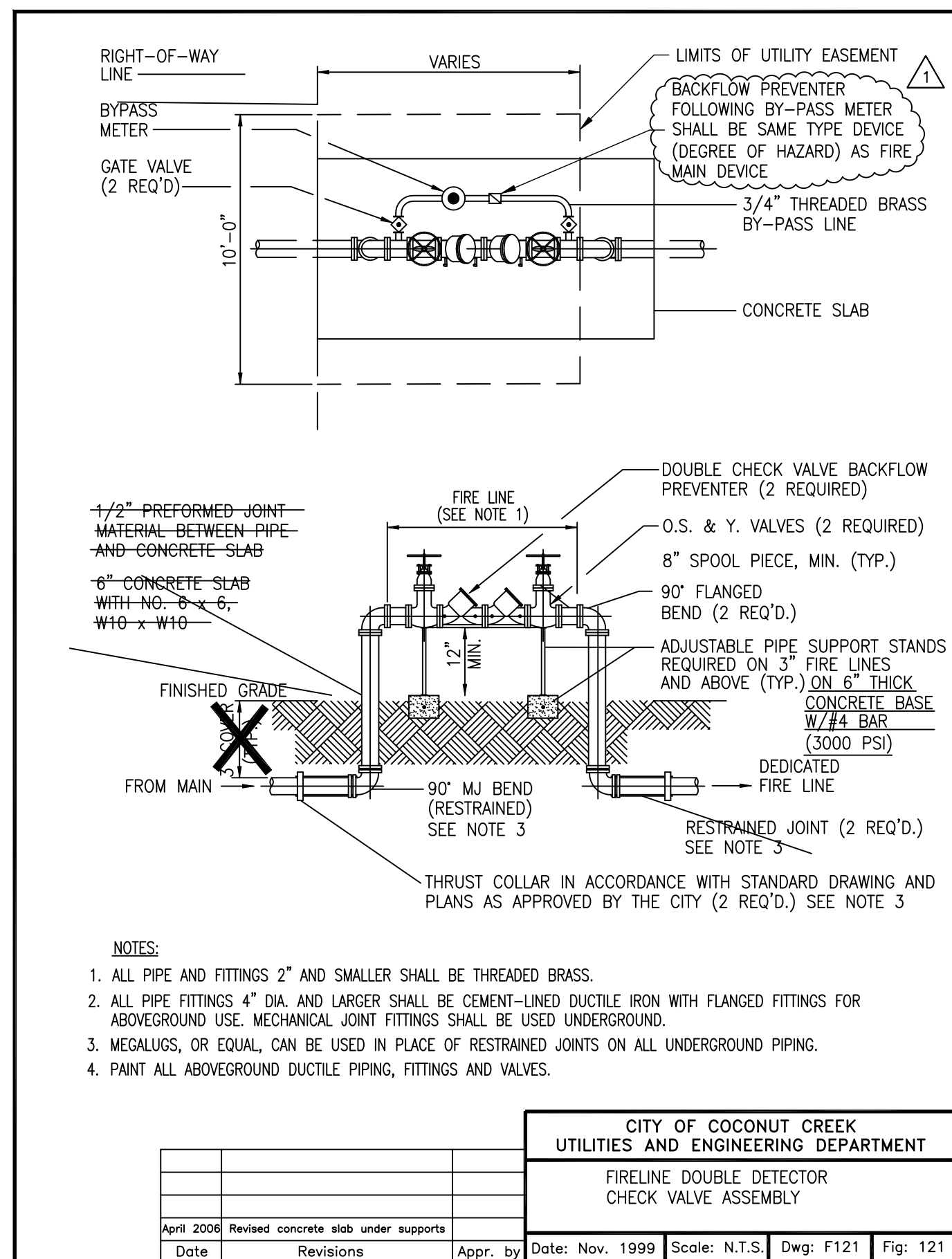
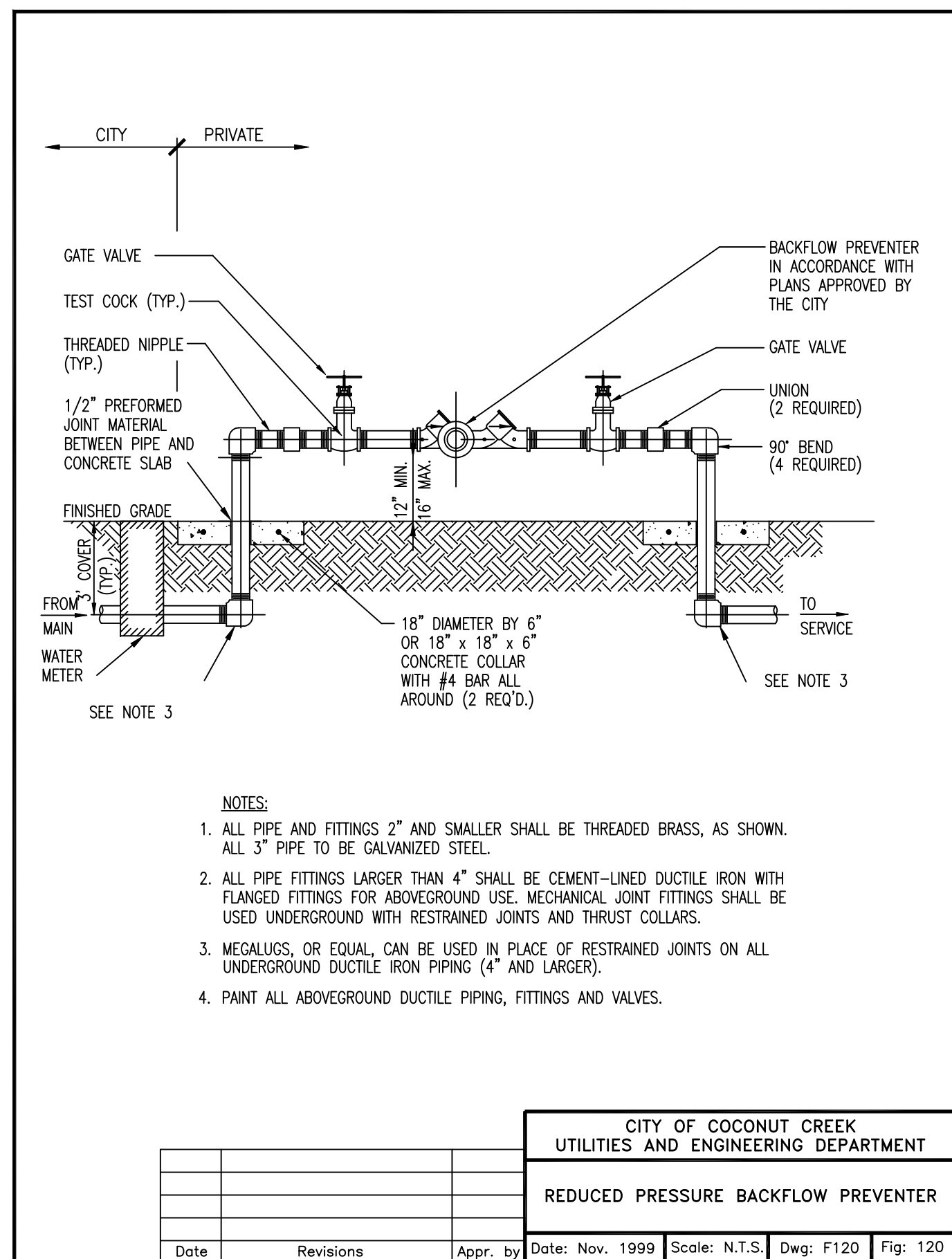
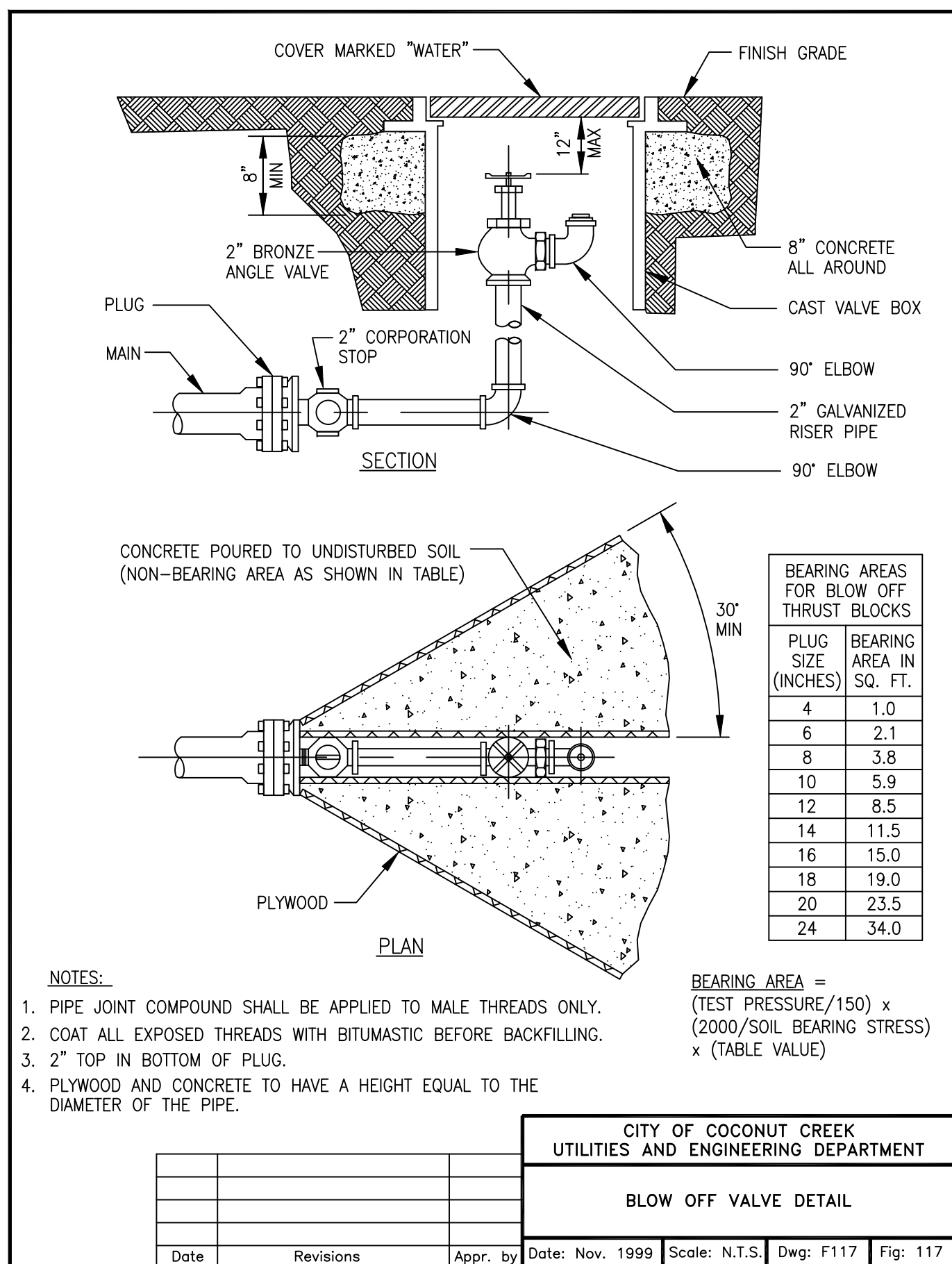
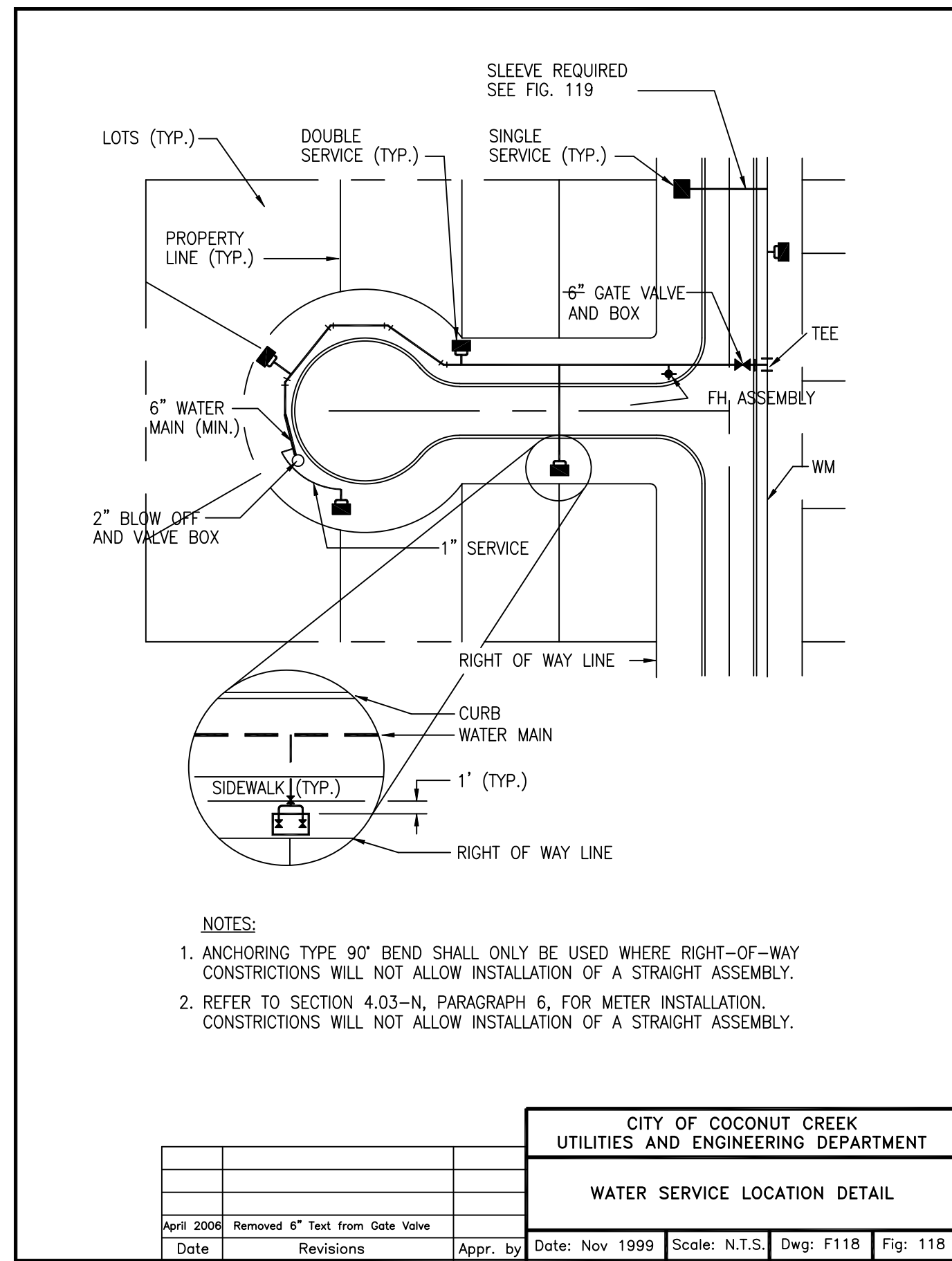
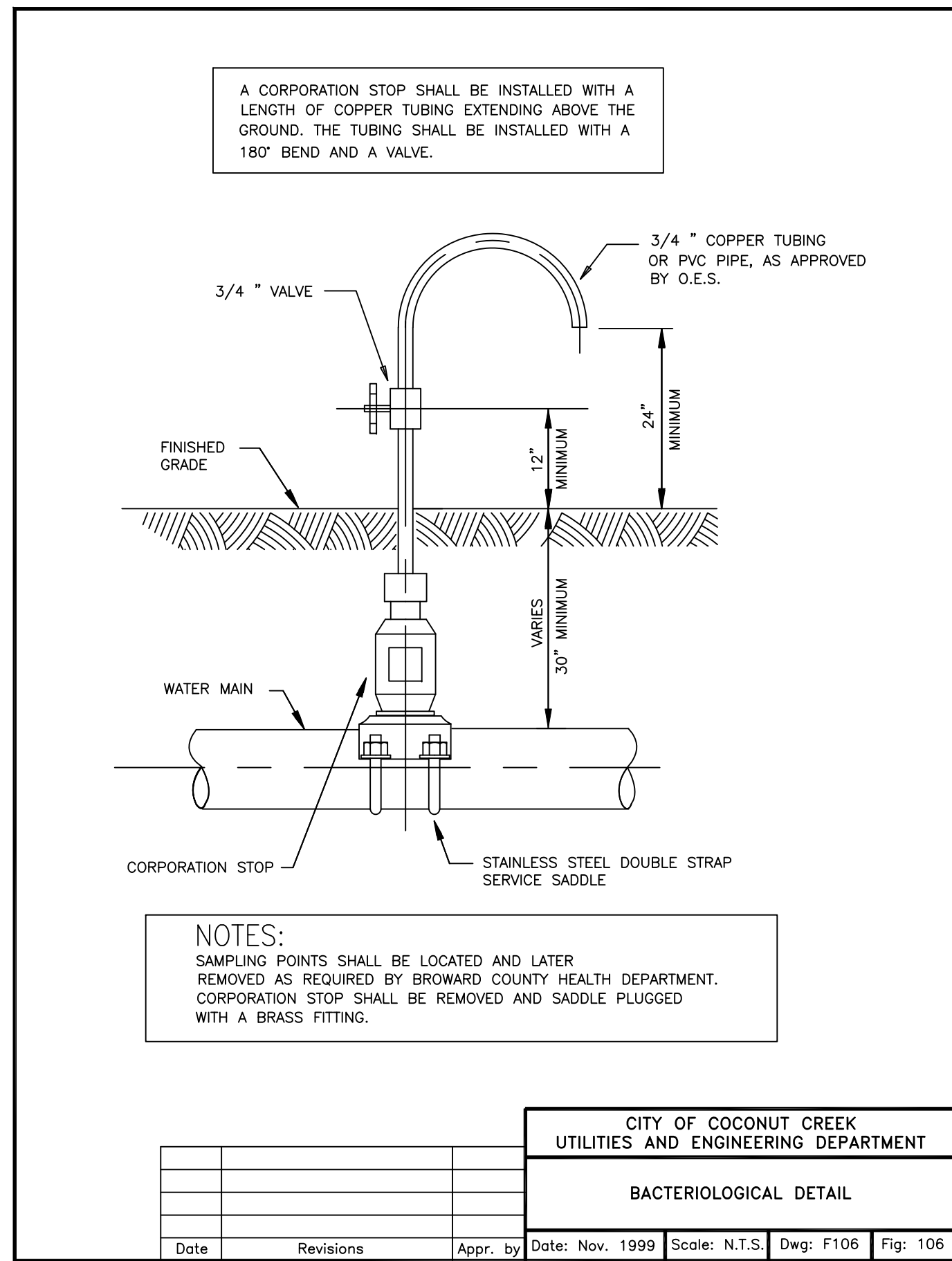
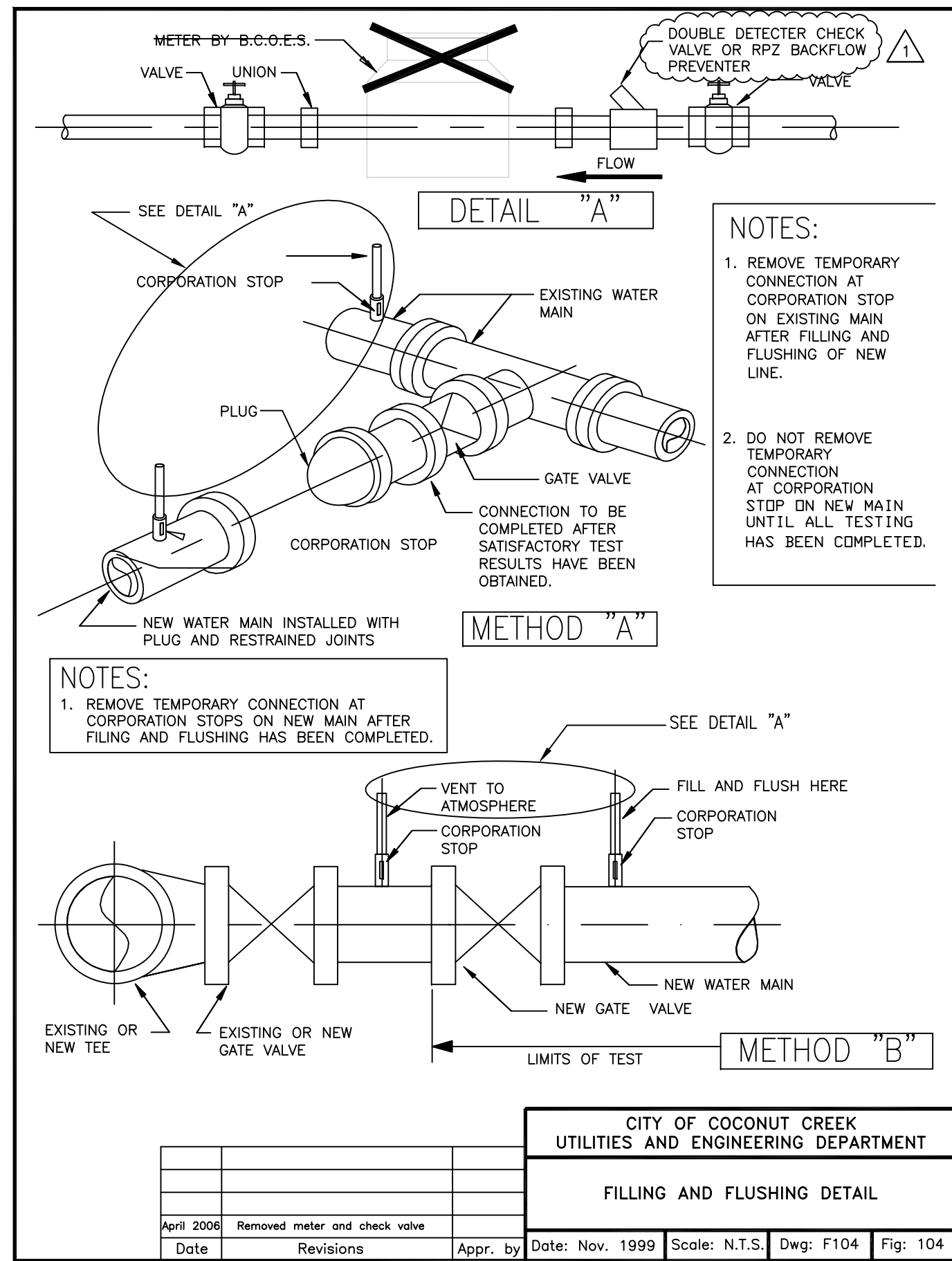
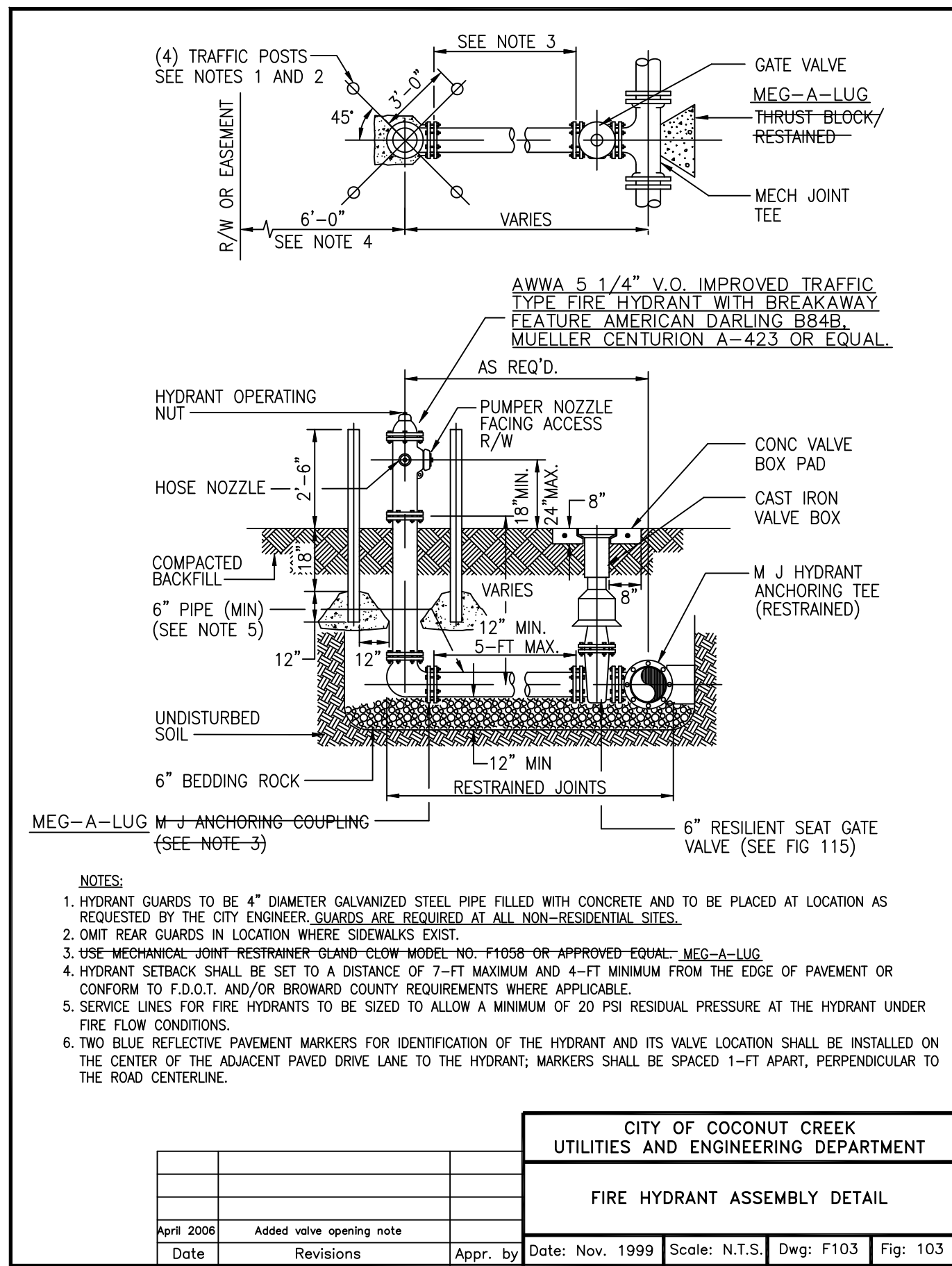
LAND USE: INDUSTRIAL
 ZONING: PCD

- NOTES:**
- ALL WATER AND AND SEWER LINES TO MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN ALL STRUCTURES.
 - ALL WATER AND SEWER LINES SHALL MAINTAIN A 10' HORIZONTAL SEPARATION BETWEEN BUILDING FOOTINGS.
 - ALL ELEVATIONS ARE N.G.V.D.
 - NO VALVES, METERS, FIRE HYDRANTS, CLEANOUTS, MANHOLES OR OTHER UTILITY APPURTENANCES ARE TO BE PLACED IN, OR ADJACENT TO, SIDEWALKS, CURBS, PARKING SPACES, OR OTHER SUCH SITE FEATURES SO AS TO PRESENT A HAZARD OR RESTRICT THE MAINTENANCE OR OPERATION OF THE UTILITY INFRASTRUCTURE.
 - ALL DIP WATER MAINS TO HAVE MINIMUM 30 INCHES COVER AS CALCULATED FROM FINISHED GRADE.
 - ALL GRAVITY WATER MAINS AND LATERALS TO BE PVC SDR-26 OR BETTER.
 - GRAVITY SEWER MAINS AND LATERALS TO BE DIP IF CROSSING OVER WATER MAIN.
 - GRAVITY SEWER MAINS AND LATERALS SHALL CROSS BELOW WATER MAINS WITH A MINIMUM VERTICAL SEPARATION OF 18 INCHES. SEWER TO BE DIP (10 FEET ON EACH SIDE OF WATER MAIN CROSSING) IF SEPARATION IS LESS THAN 18 INCHES OR IF SEWER CROSSES OVER WATER MAIN.
 - THE MINIMUM COVER OVER GRAVITY SEWER SHALL BE NO LESS THAN 36 INCHES CALCULATED FROM THE FINISHED GRADE, IF LESS, DIP TO BE UTILIZED WITH A TRANSITIONAL COLLAR.
 - ALL BOLLARDS AND VALVES AT FIRE HYDRANTS TO BE INSTALLED PER FIRE HYDRANT DETAIL.
 - PROPOSED AND/OR RELOCATED TREES/LANDSCAPING, LIGHTING, AND IRRIGATION SHALL NOT CONFLICT WITH AND SHALL MAINTAIN A MINIMUM OF 6 FEET (10 FEET PREFERRED) SEPARATION FROM EXISTING AND PROPOSED WATER, WASTEWATER AND DRAINAGE.
 - ALL 6" G.V.'s ON FIRE HYDRANTS TO BE PLACED MIN. 12" MAX. 5' FROM HYDRANT PER CITY DETAIL.

WATER & SEWER LEGEND

	DOUBLE WATER METER SERVICE
	SINGLE WATER METER SERVICE
	LENGTH, SIZE & TYPE OF WATER MAIN
	FIRE HYDRANT, GATE VALVE & TEE ASSEMBLY
	PROPOSED GATE VALVE
	BACTERIOLOGICAL SAMPLING POINT
	EXISTING OR FUTURE UTILITIES
	D.I.P. PIPE
	R.E. RIM ELEVATION
	I.E. INVERT ELEVATION
	MANHOLE DESIGNATION
	LENGTH & SLOPE OF PIPE
	DOUBLE SEWER LATERAL
	SINGLE SEWER LATERAL
	CLEAN OUT TO GRADE

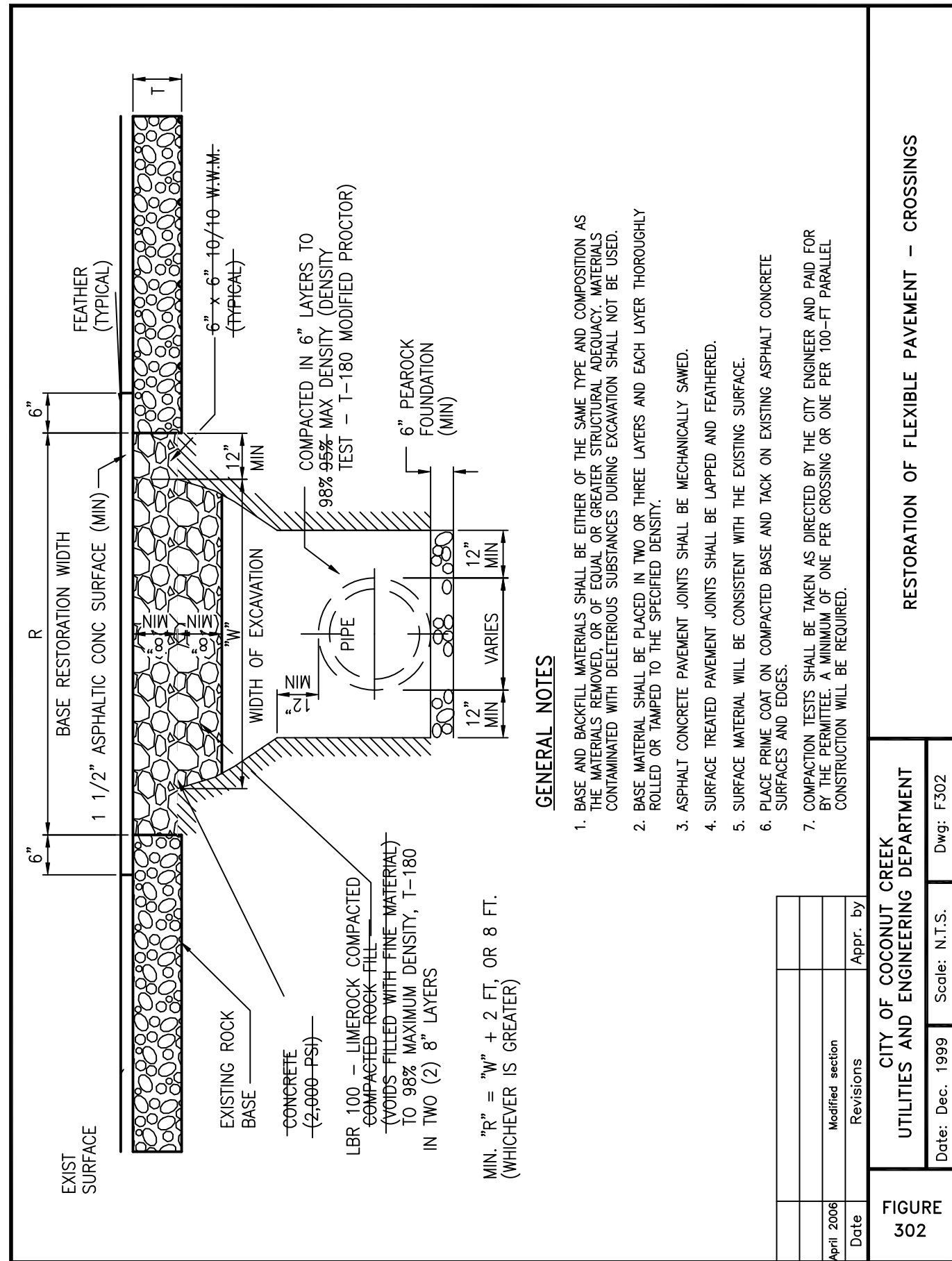




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LAYOUT: [WS2]

NO.	DATE	DESCRIPTION



CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT
Date: Nov. 1999 Scale: N.T.S. Dwg: F502

FIGURE 302
RESTORATION OF FLEXIBLE PAVEMENT - CROSSINGS

	PIPE SIZE						
	6"	8"	10"	12"	16"	20"	30" & 36"
90° BEND	36	36	54	54			
45° BEND	18	18	24	36			
22-1/2° BEND	18	18	24	36			
11-1/4° BEND	18	18	24	36			
PLUG OR BRANCH OF TEE	36	36	54	54			

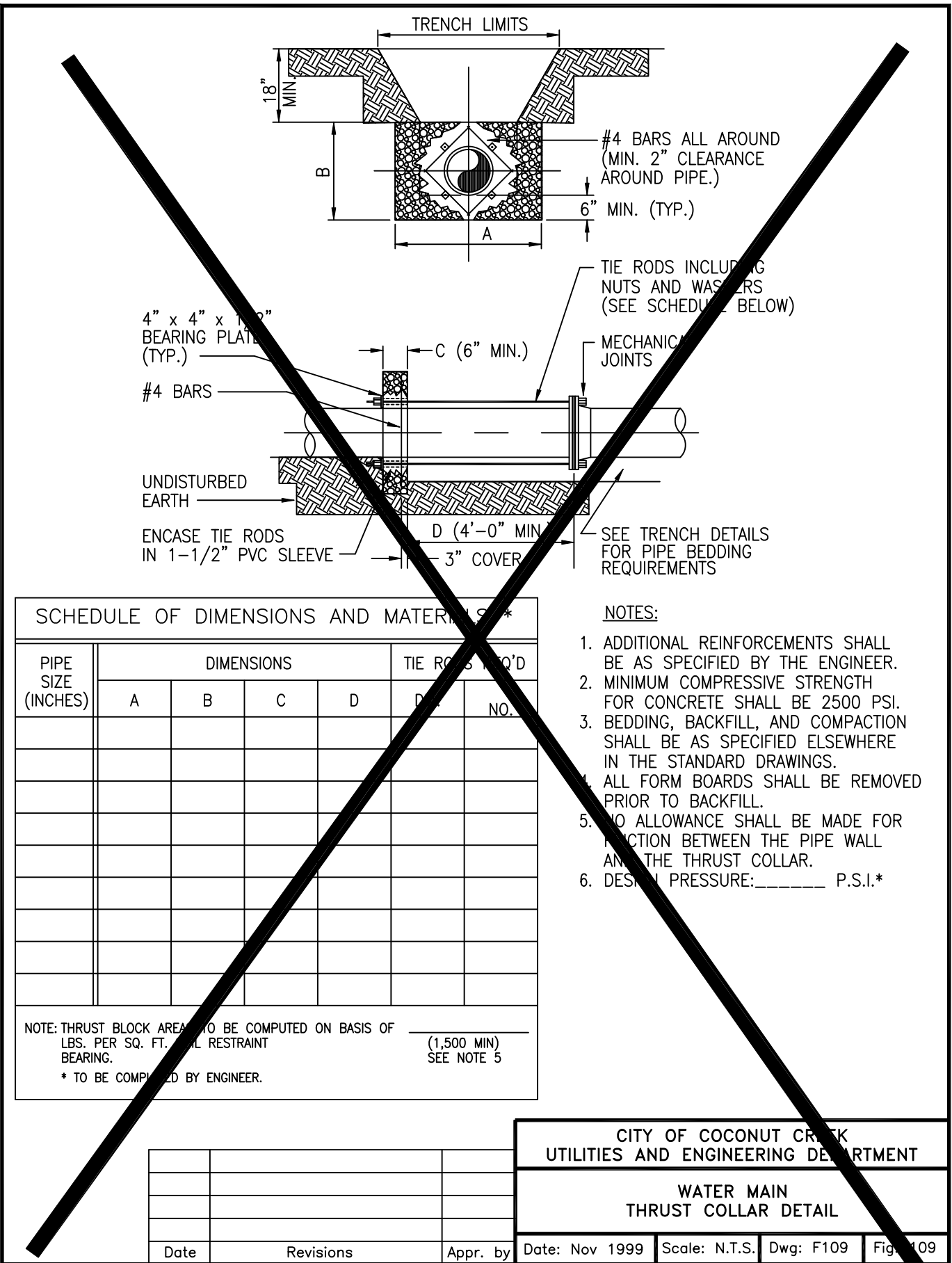
* SEE NOTE 7.

NOTES:

- FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
- INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
- WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
- IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
- LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
WORKING PRESSURE: 70 P.S.I.
SOIL DESIGNATION: GOOD
LAYING CONDITIONS: TYPE 2 STANDARD
- FOR PIPE ENCASED IN POLYETHYLENE, USE VALUES GIVEN IN PARENTHESES OR INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
- TO BE COMPLETED BY THE DESIGN ENGINEER.

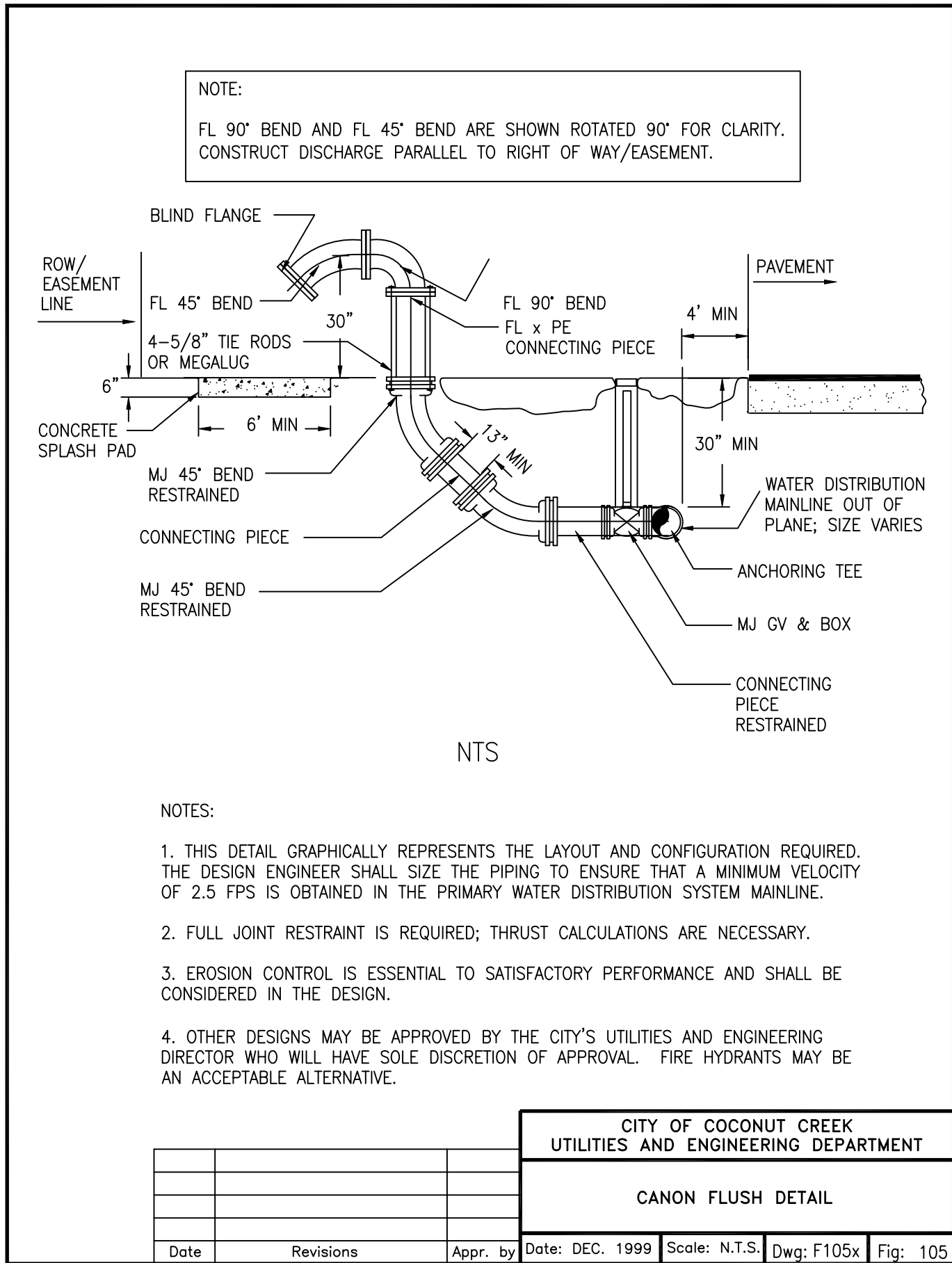
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

RESTRAINED PIPE DETAIL
Date: Nov. 1999 Scale: N.T.S. Dwg: F108 Fig: 108



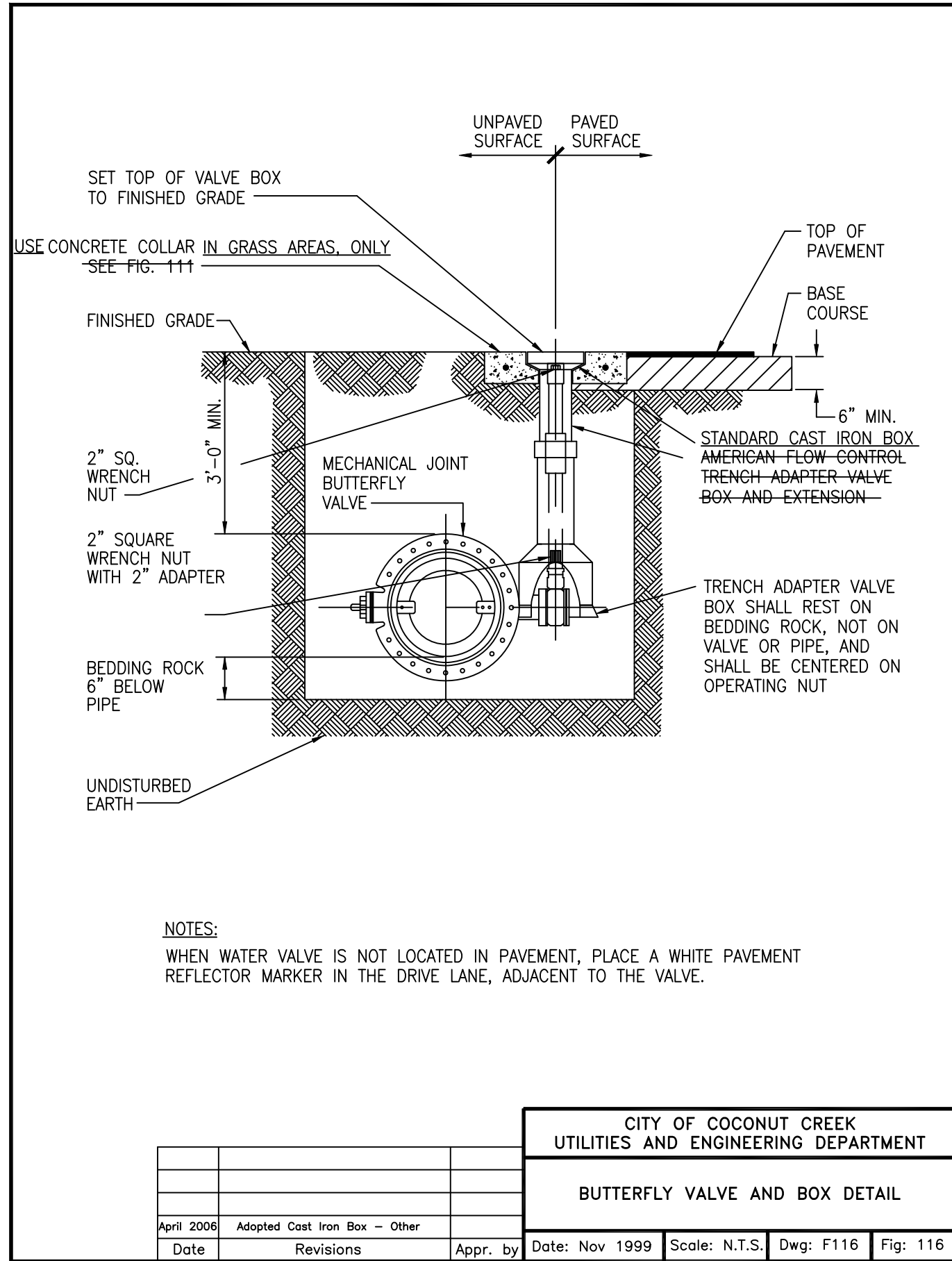
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

WATER MAIN THRUST COLLAR DETAIL
Date: Nov. 1999 Scale: N.T.S. Dwg: F109 Fig: 109



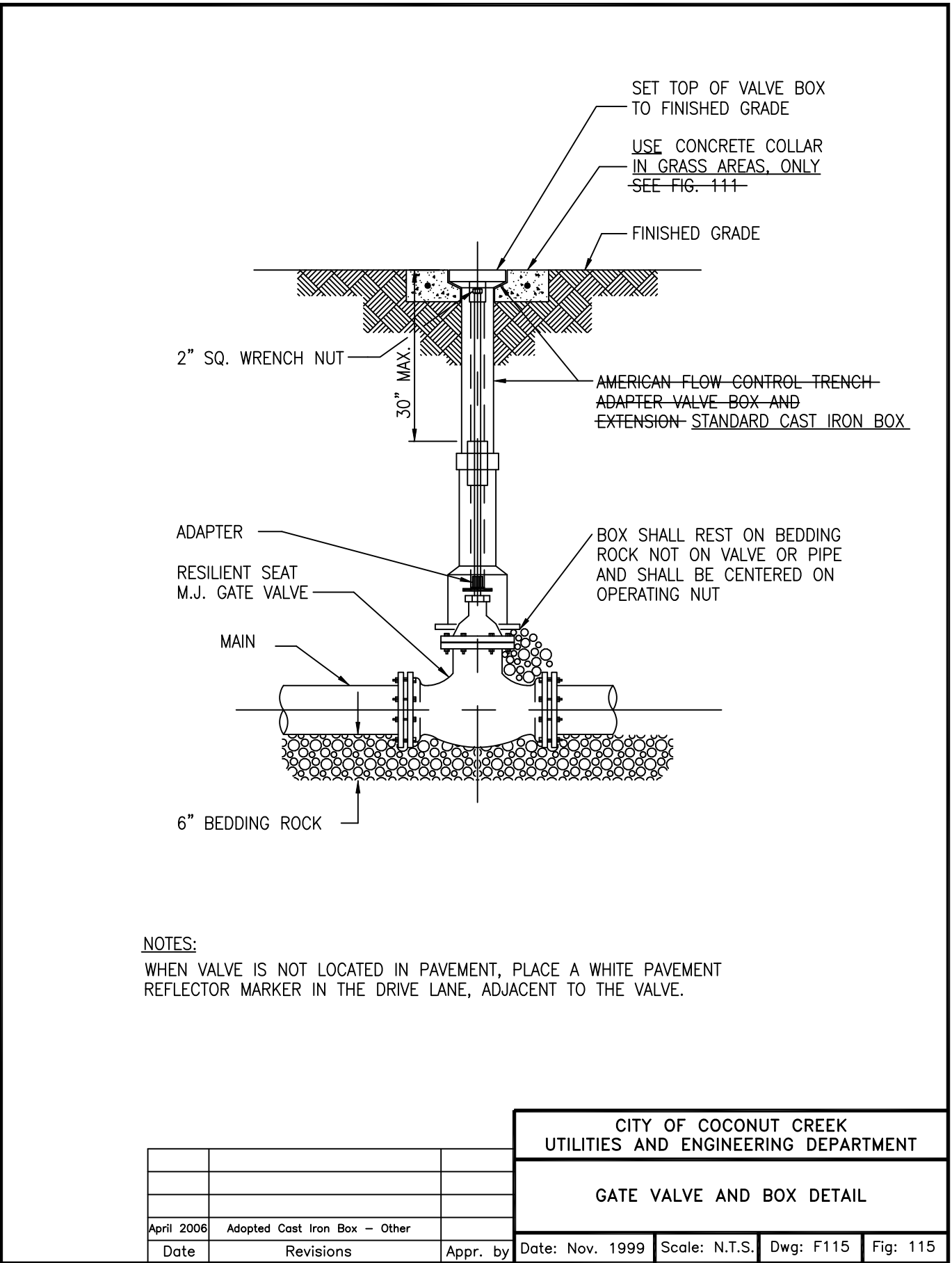
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

CANON FLUSH DETAIL
Date: DEC. 1999 Scale: N.T.S. Dwg: F105x Fig: 105



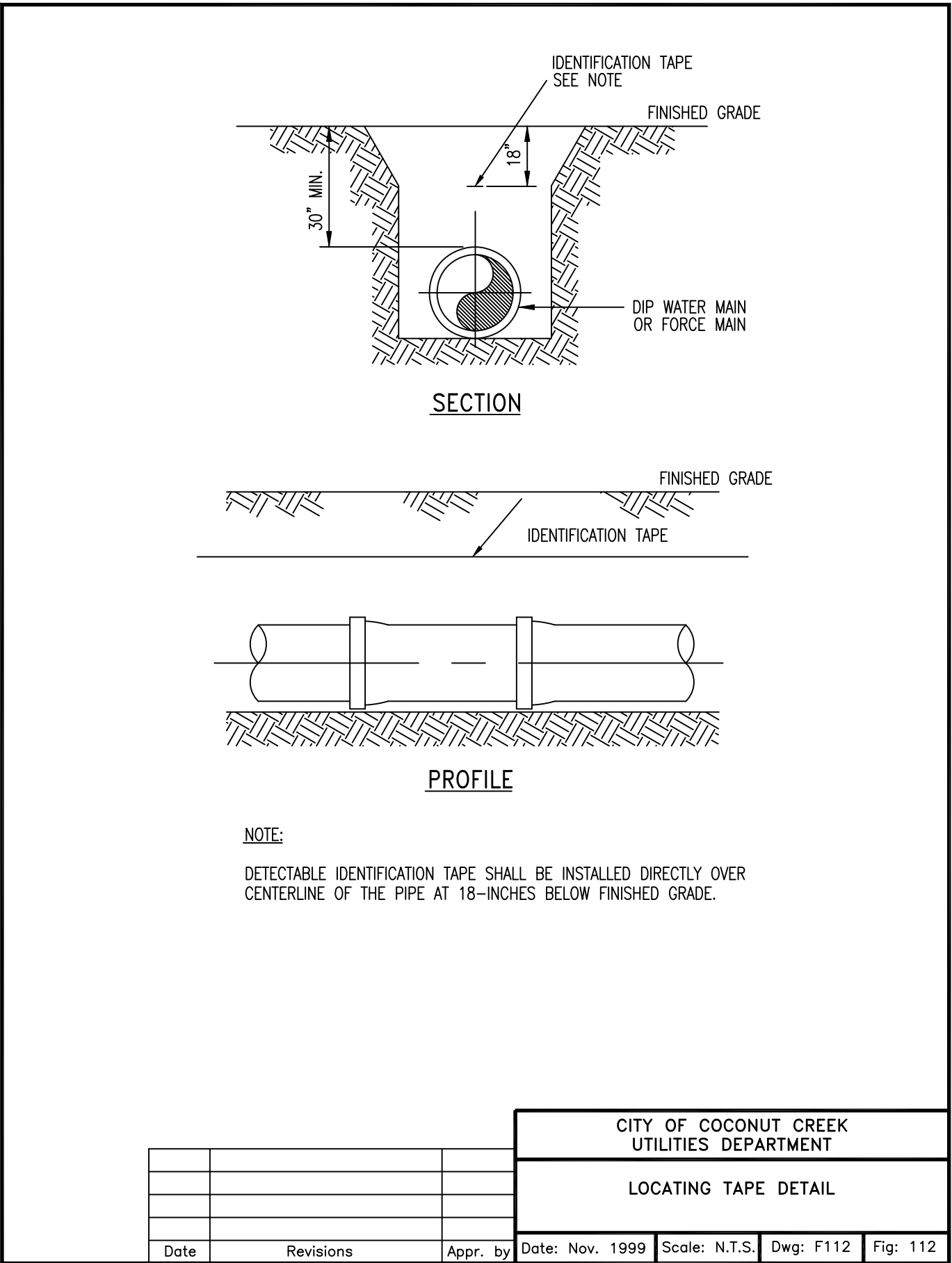
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

BUTTERFLY VALVE AND BOX DETAIL
Date: Nov. 1999 Scale: N.T.S. Dwg: F116 Fig: 116



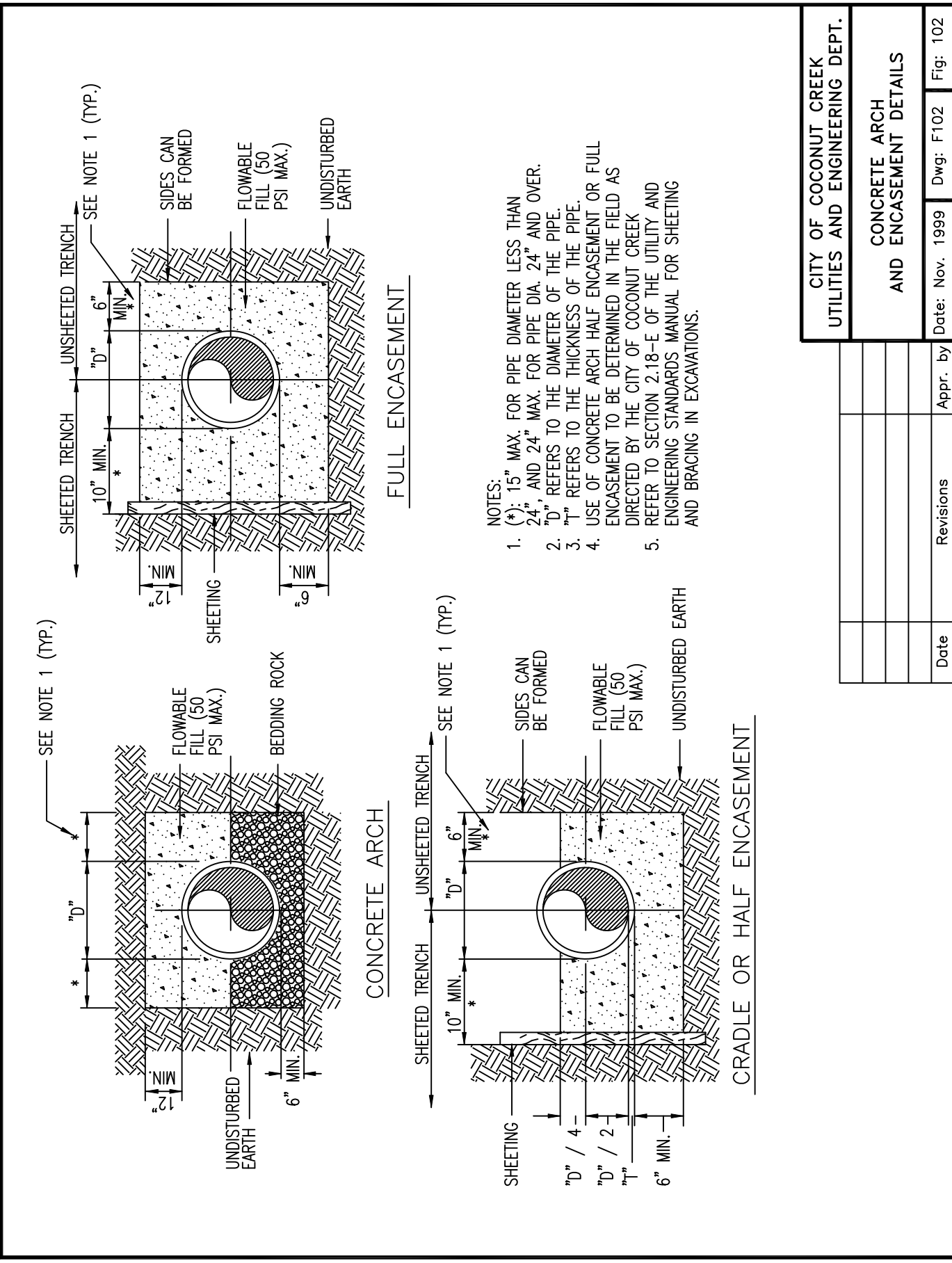
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

GATE VALVE AND BOX DETAIL
Date: Nov. 1999 Scale: N.T.S. Dwg: F115 Fig: 115



CITY OF COCONUT CREEK
UTILITIES DEPARTMENT

LOCATING TAPE DETAIL
Date: Nov. 1999 Scale: N.T.S. Dwg: F112 Fig: 112



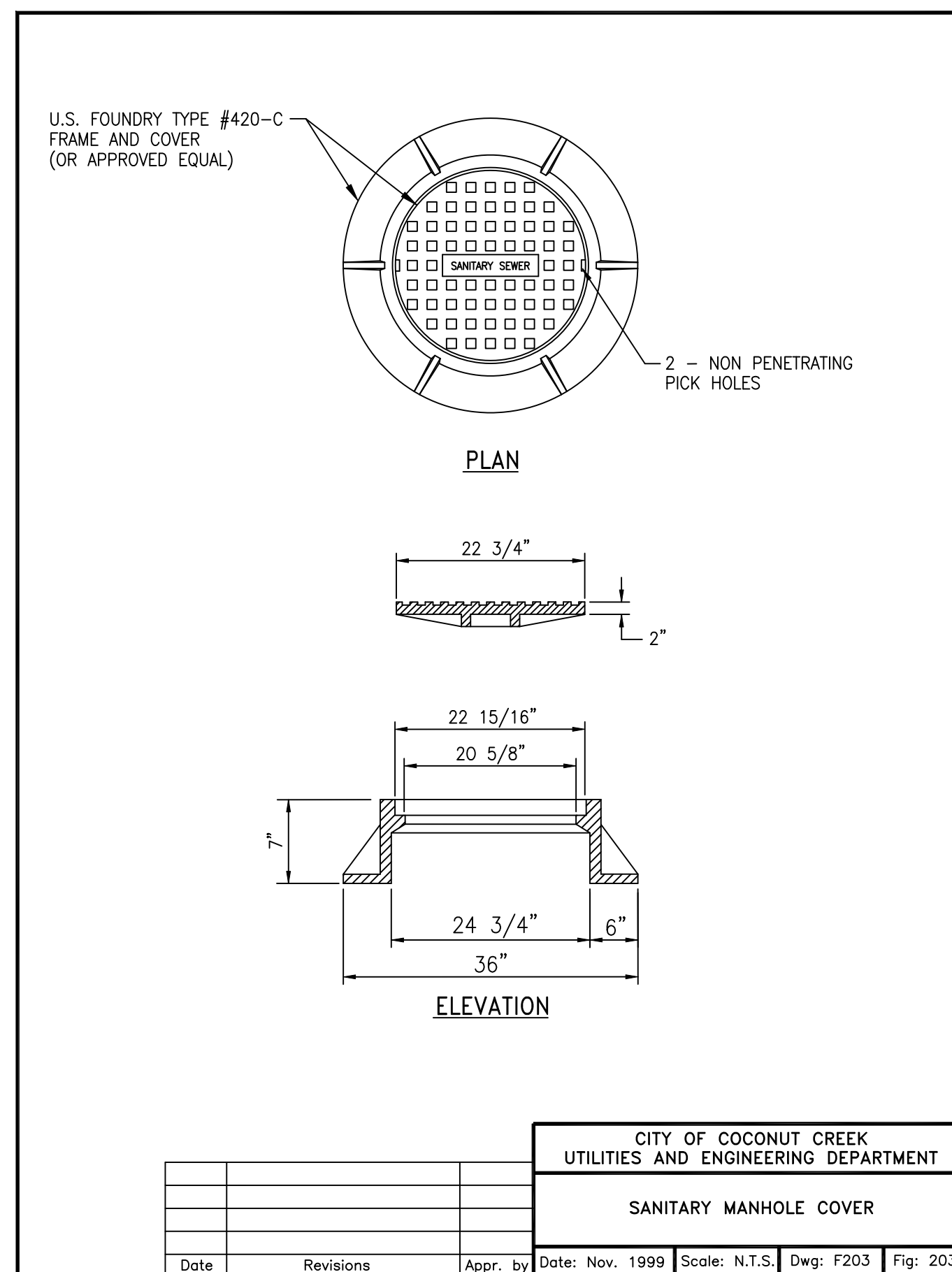
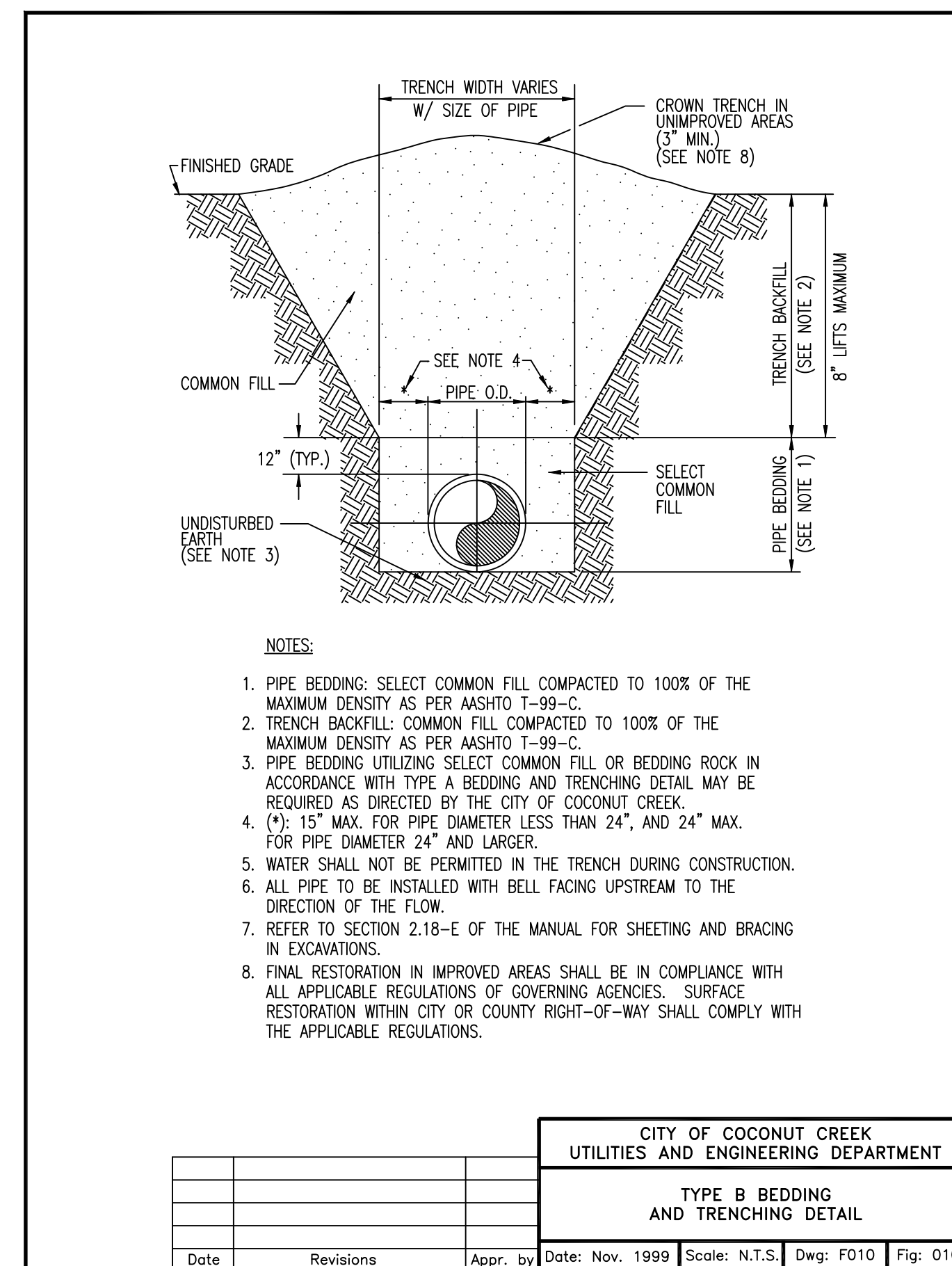
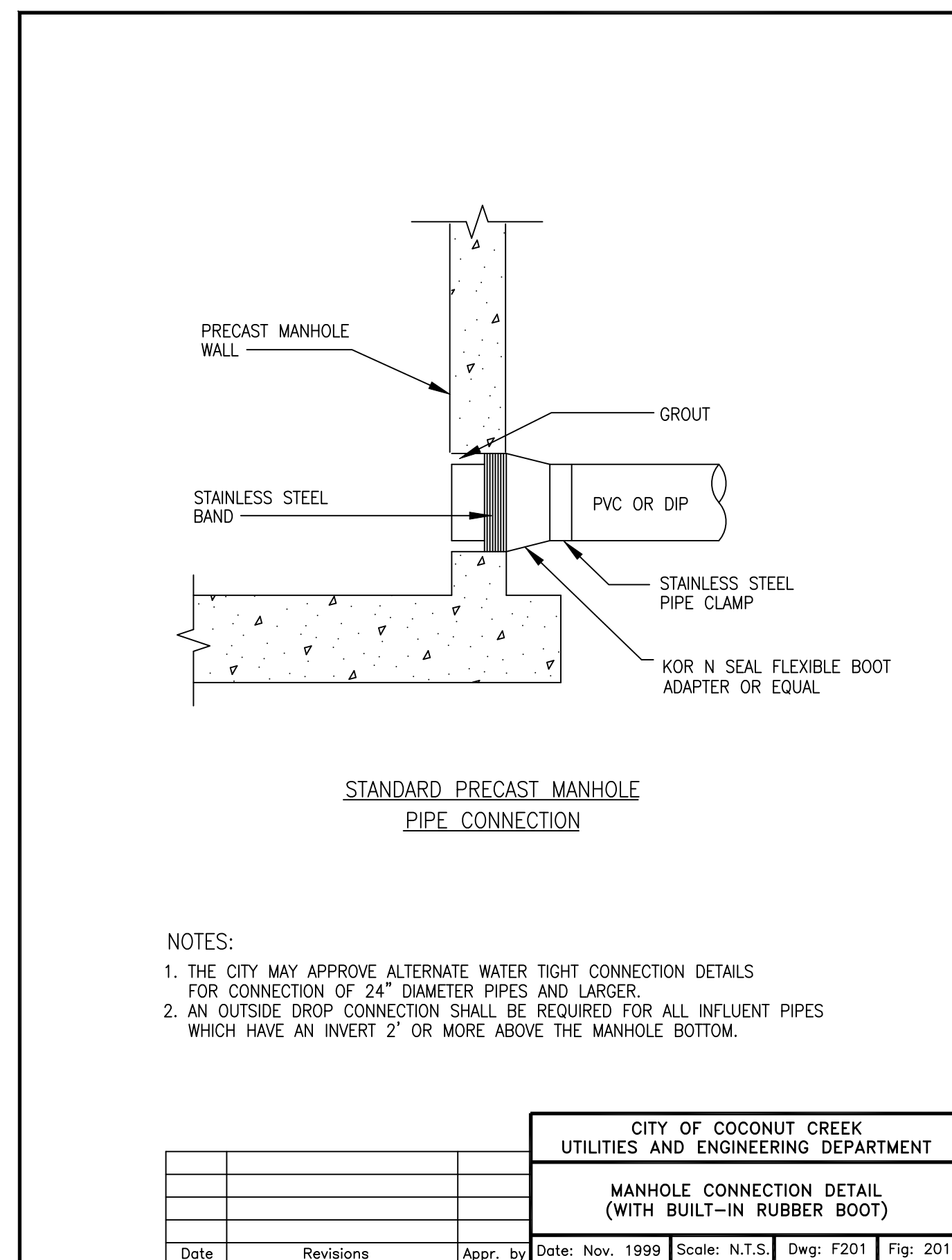
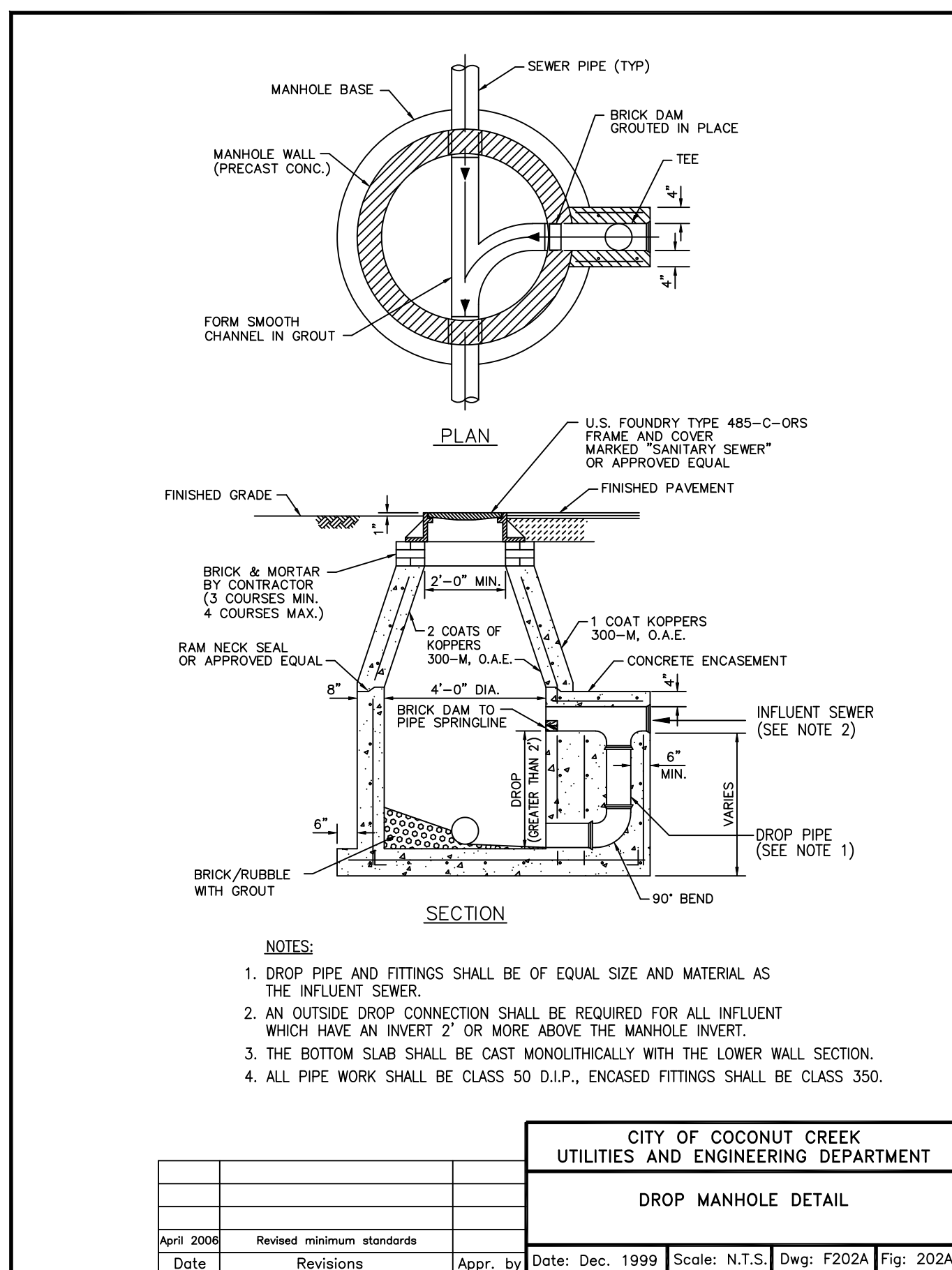
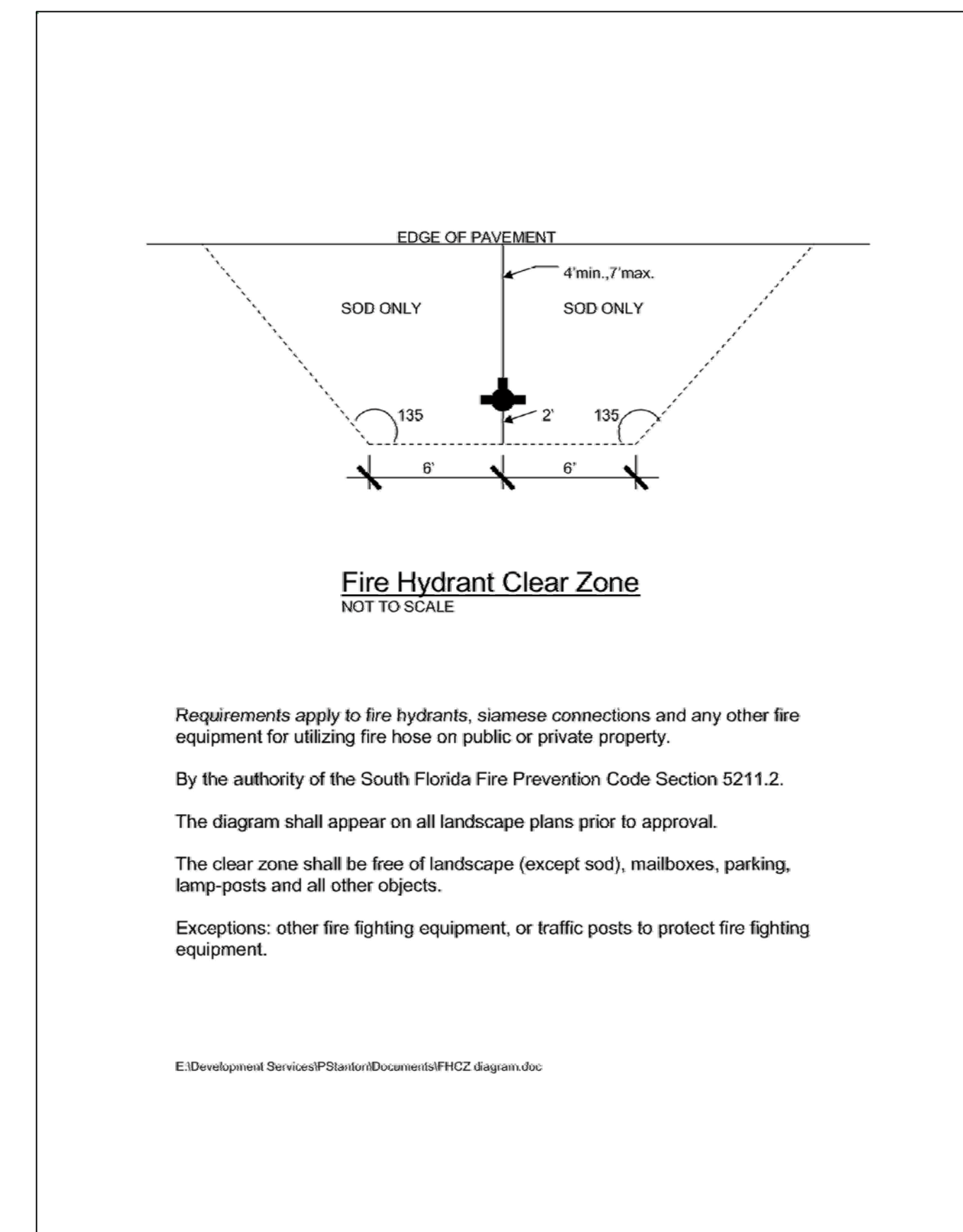
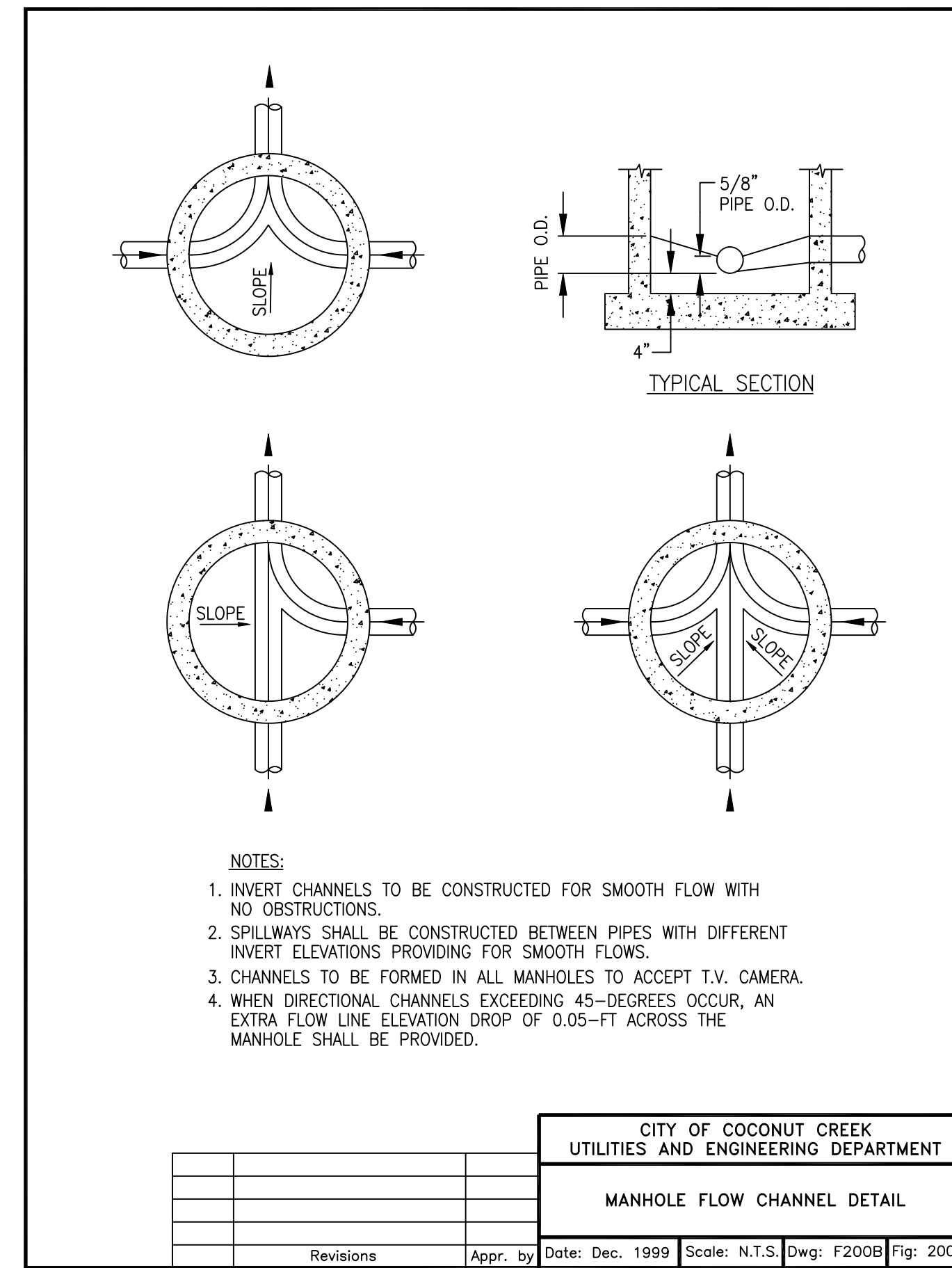
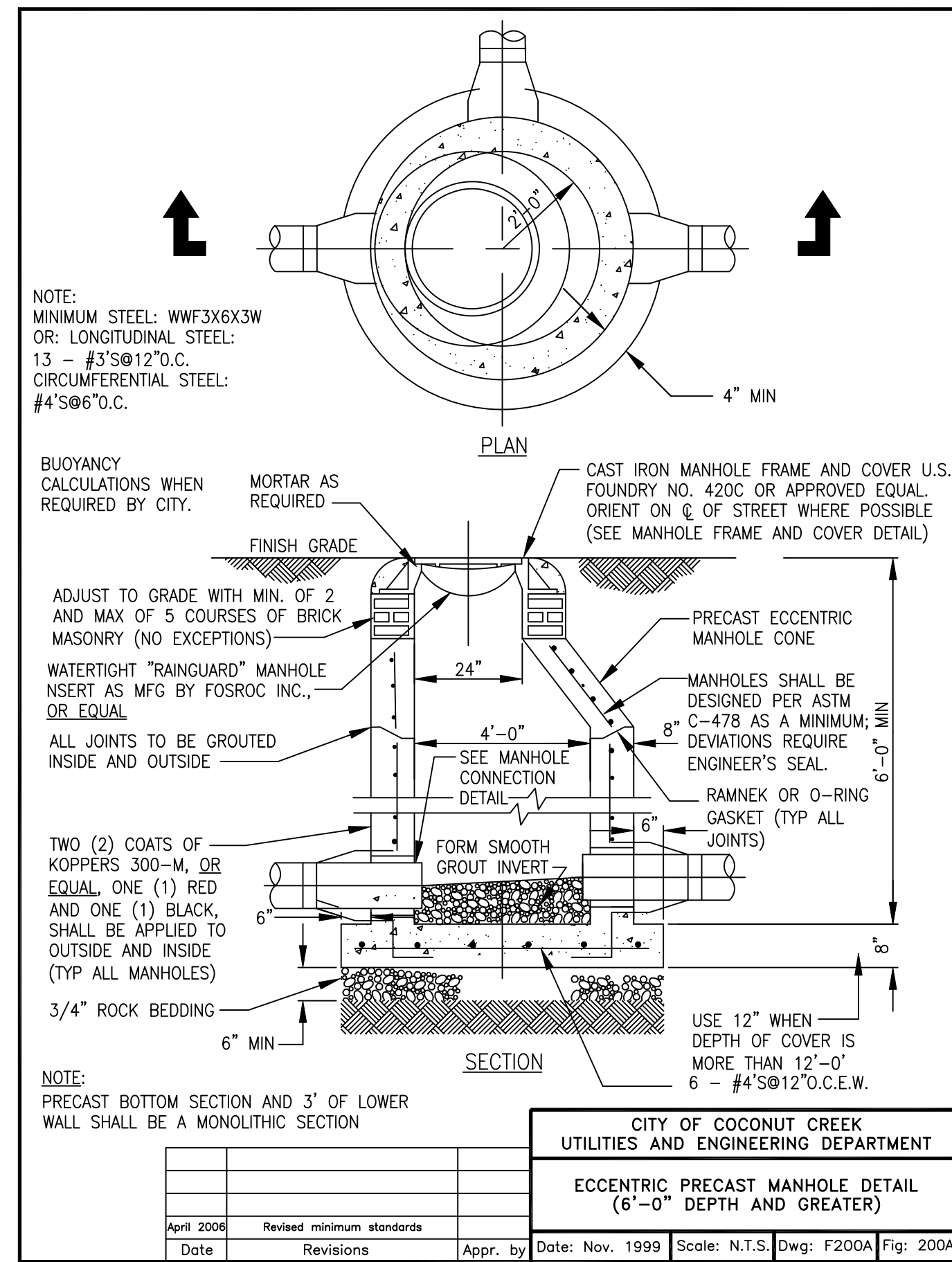
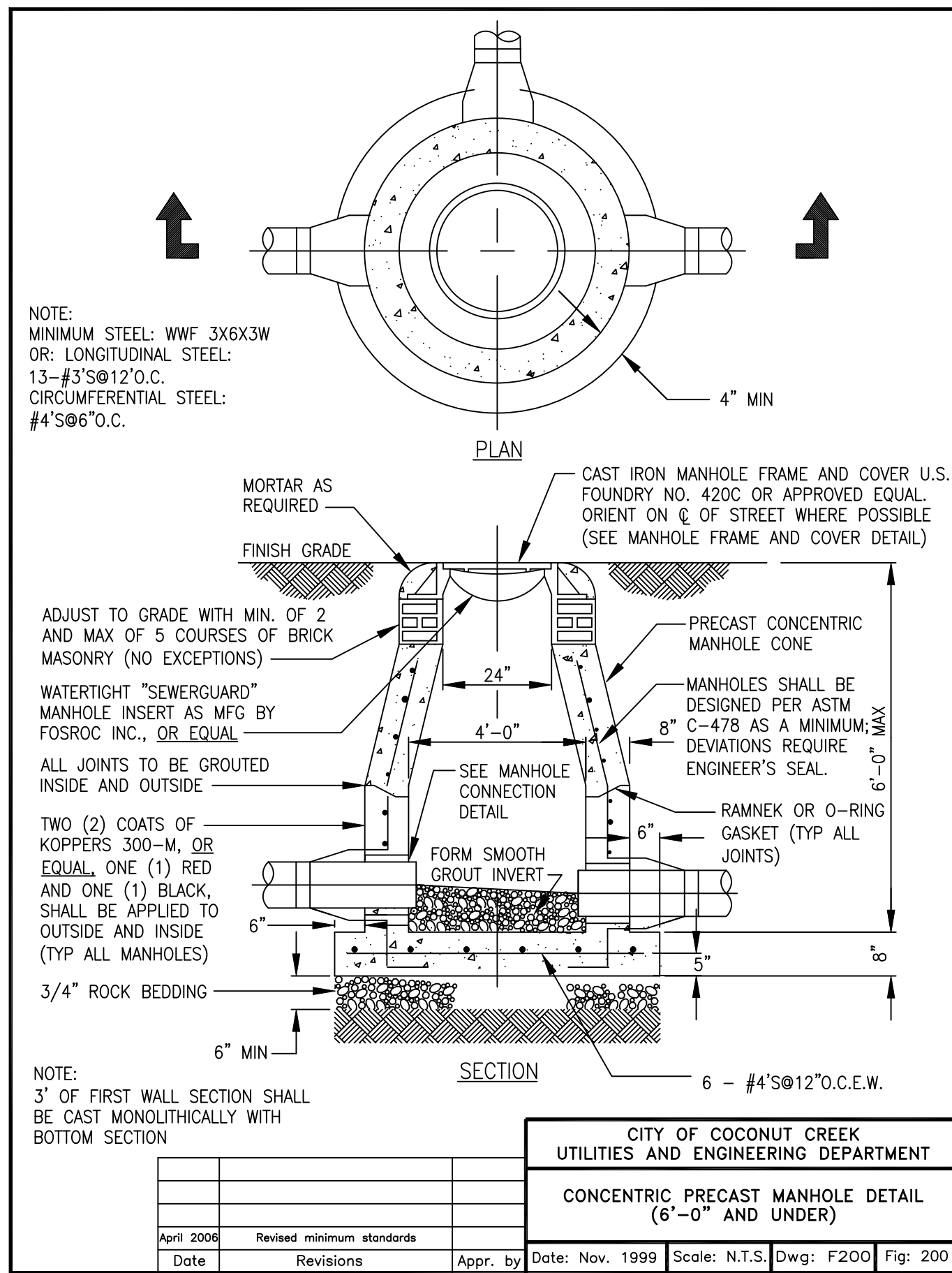
CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPT.

CONCRETE ARCH AND ENCASEMENT DETAILS
Date: Nov. 1999 Dwg: F102 Fig: 102

REVISIONS	
NO.	DATE

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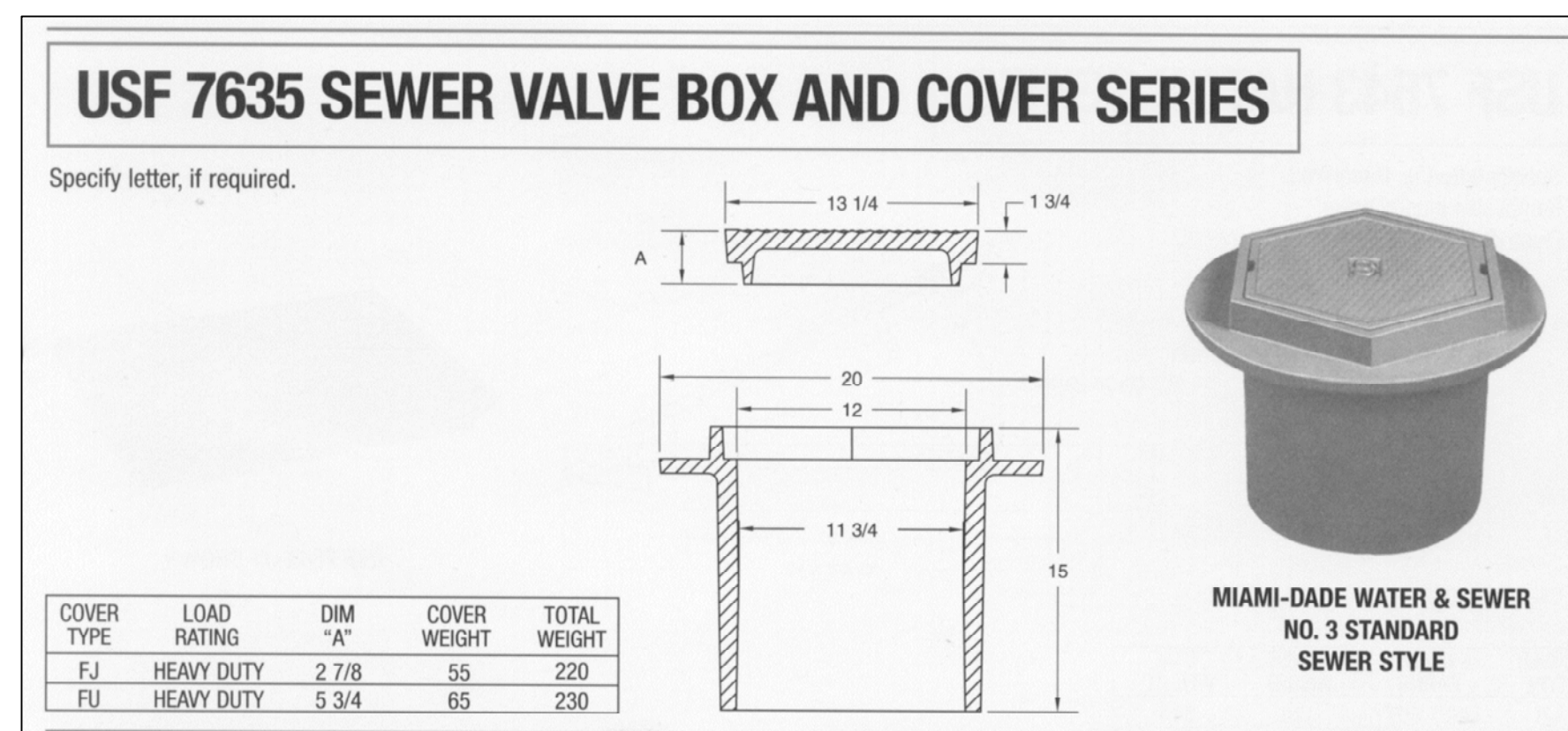
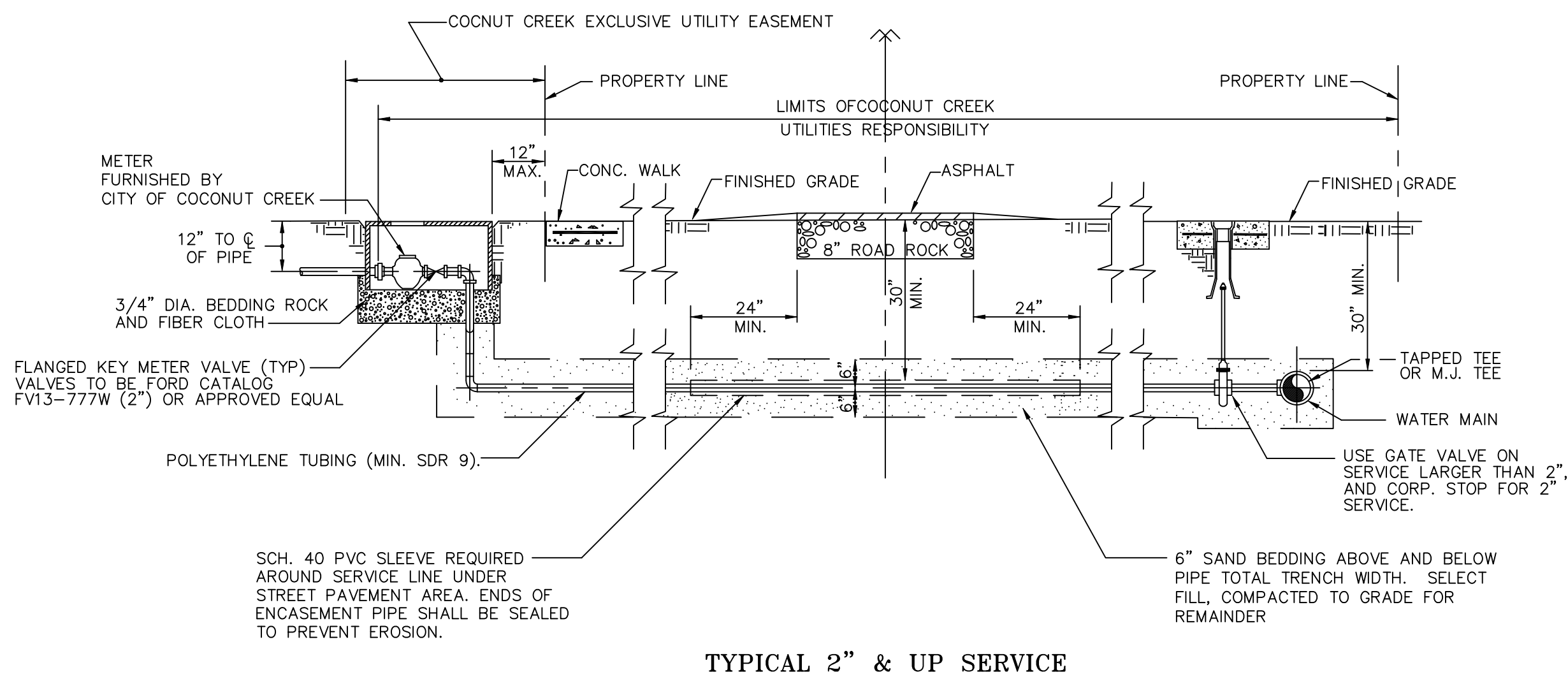
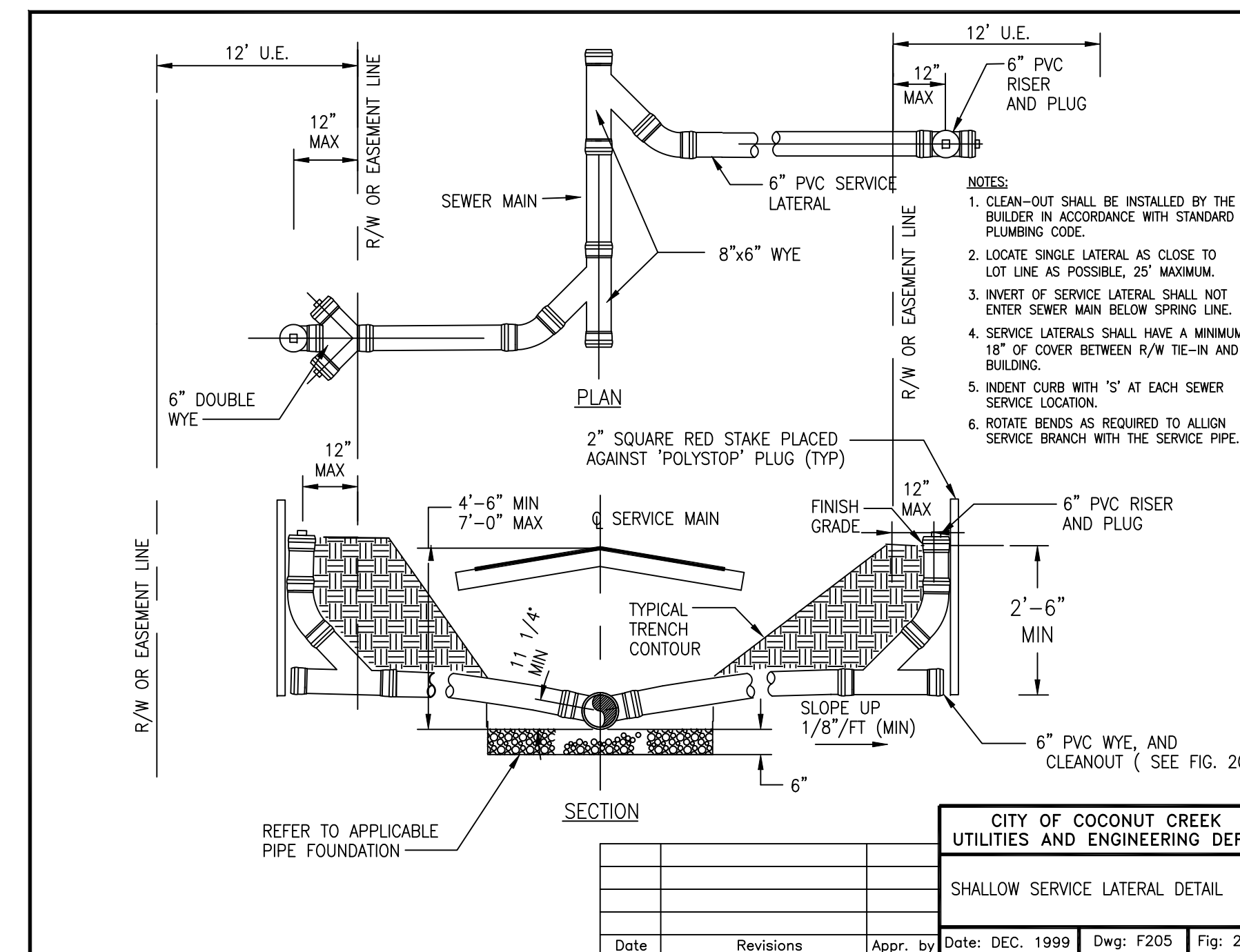
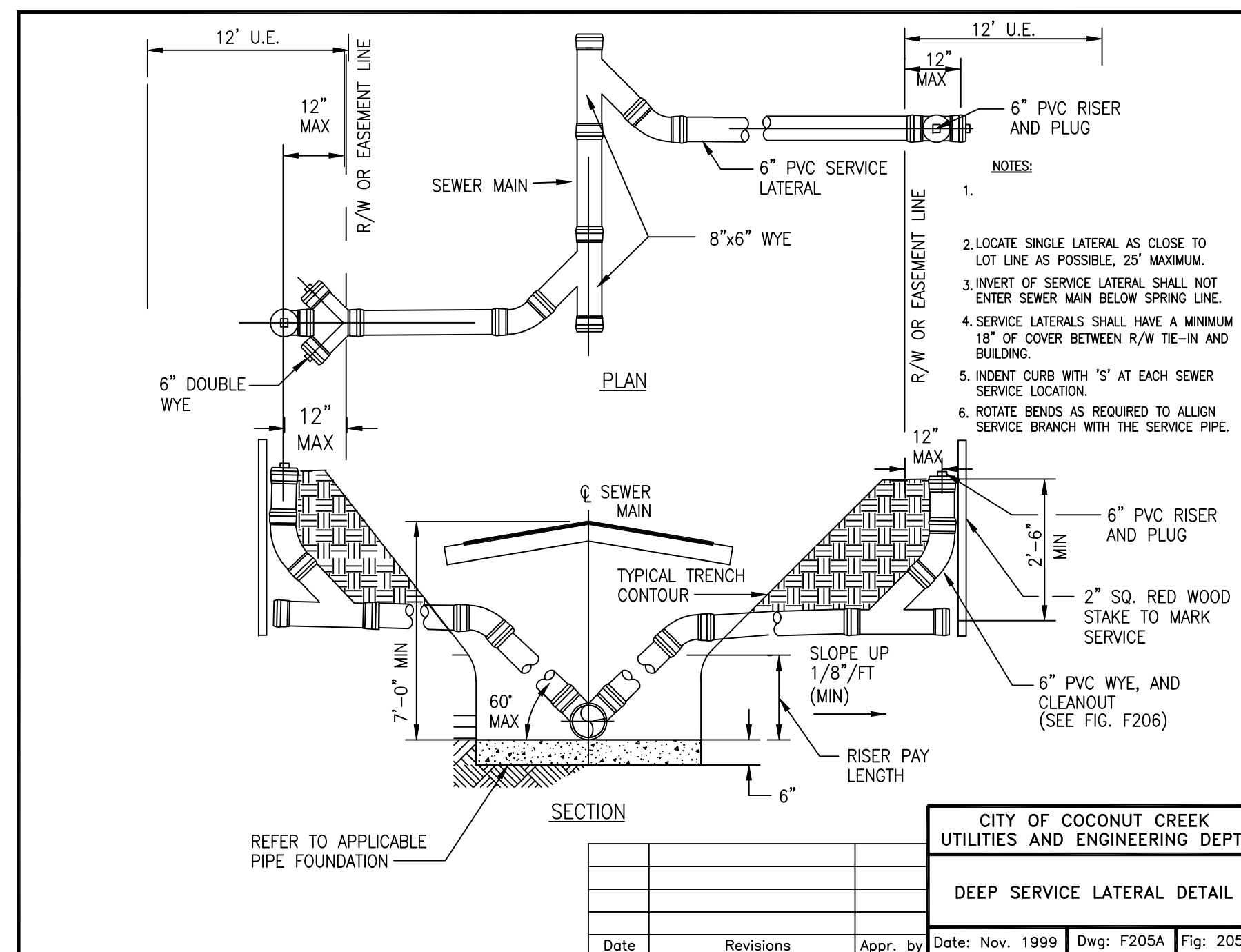
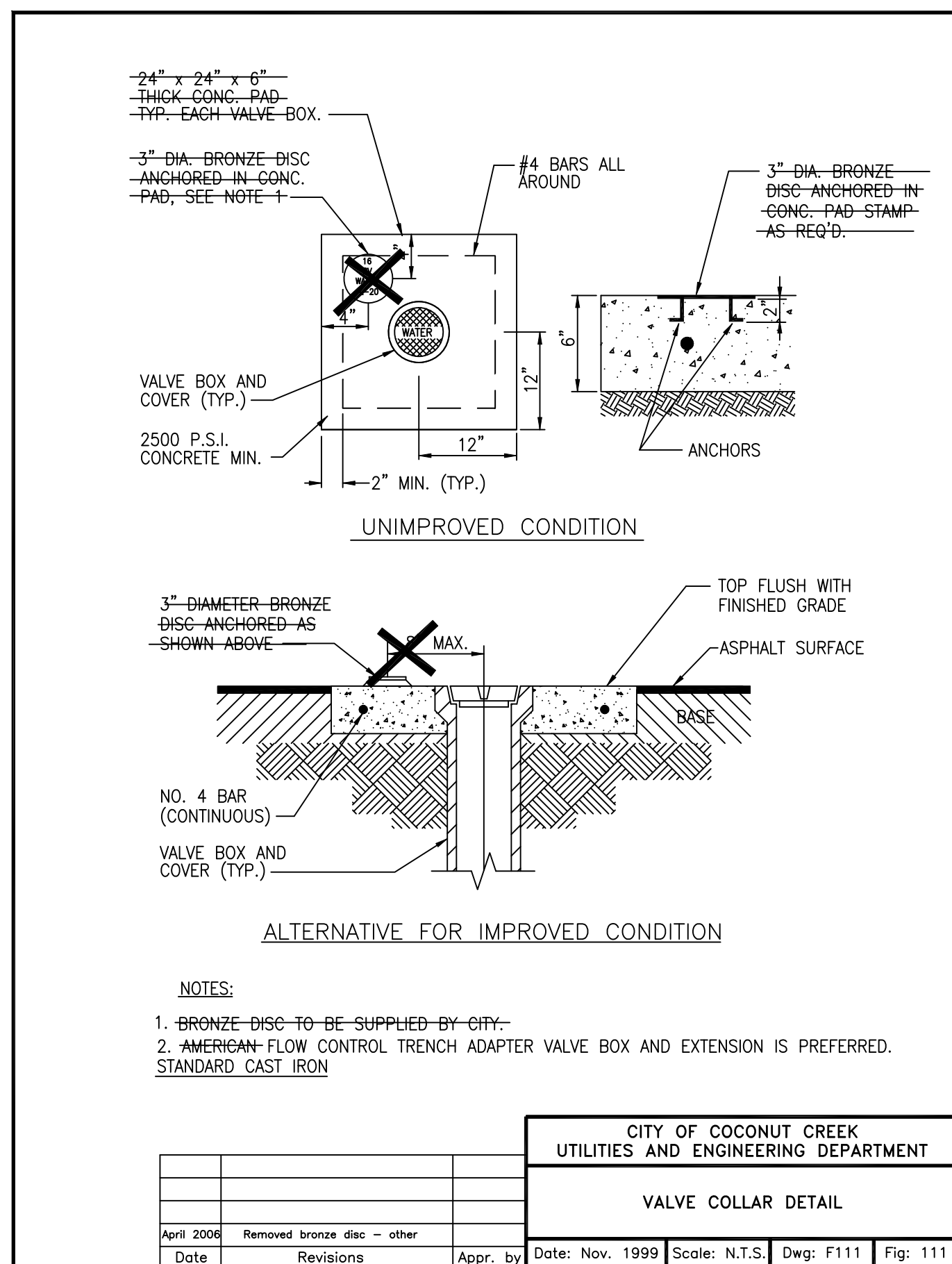
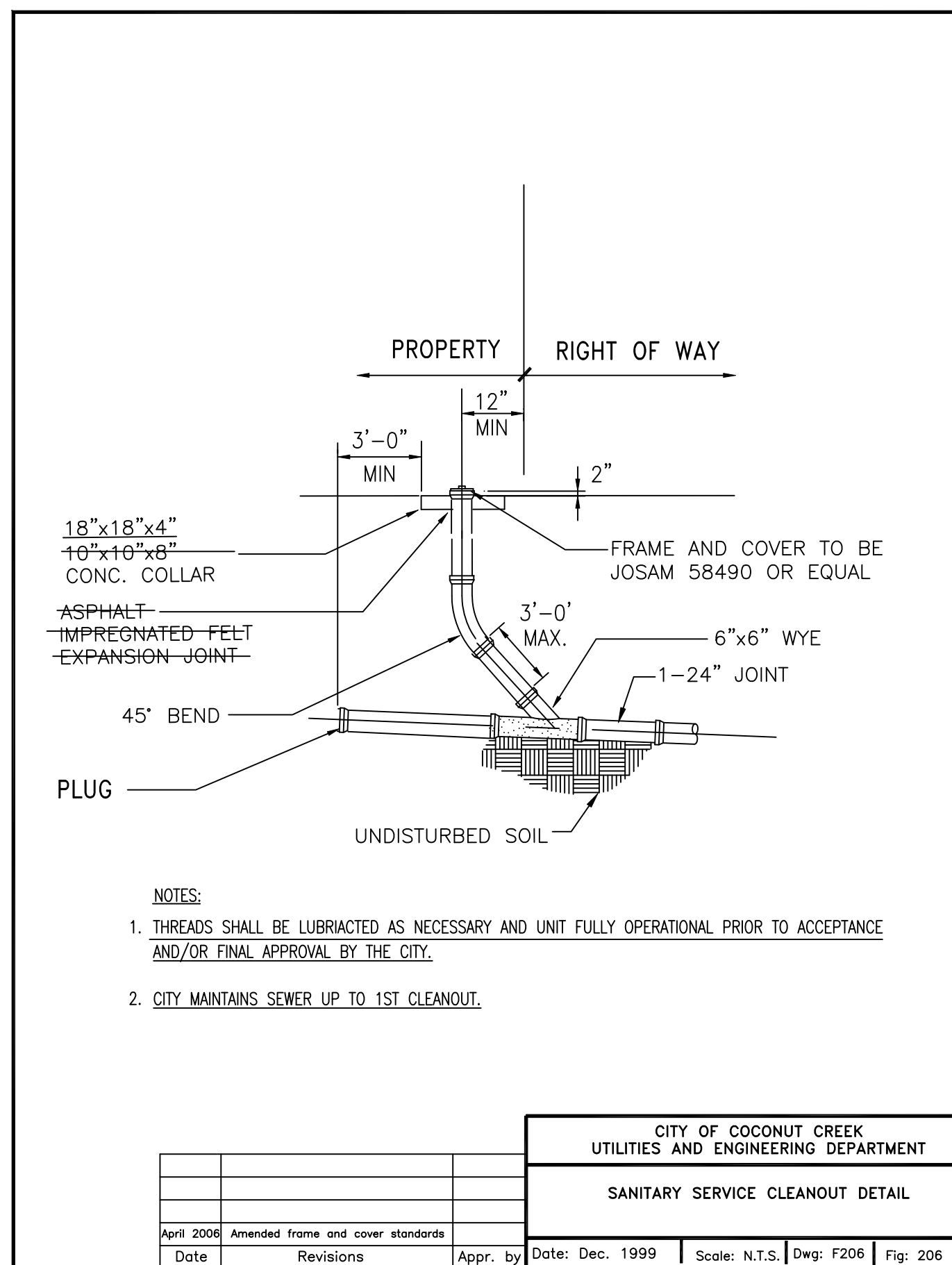
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LAYOUT: [WS3]



NO.	DATE	REVISIONS	DESCRIPTION

DATE: Jan. 2013
SCALE: N.T.S.
DESIGNED BY: M.G.
DRAWN BY: M.A.S.
JOB NUMBER 12-3516
SHEET No. WS4
SEAL

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NO.	DATE	DESCRIPTION

DATE: Jan. 2013

SCALE: N.T.S.

DESIGNED BY: M.G.

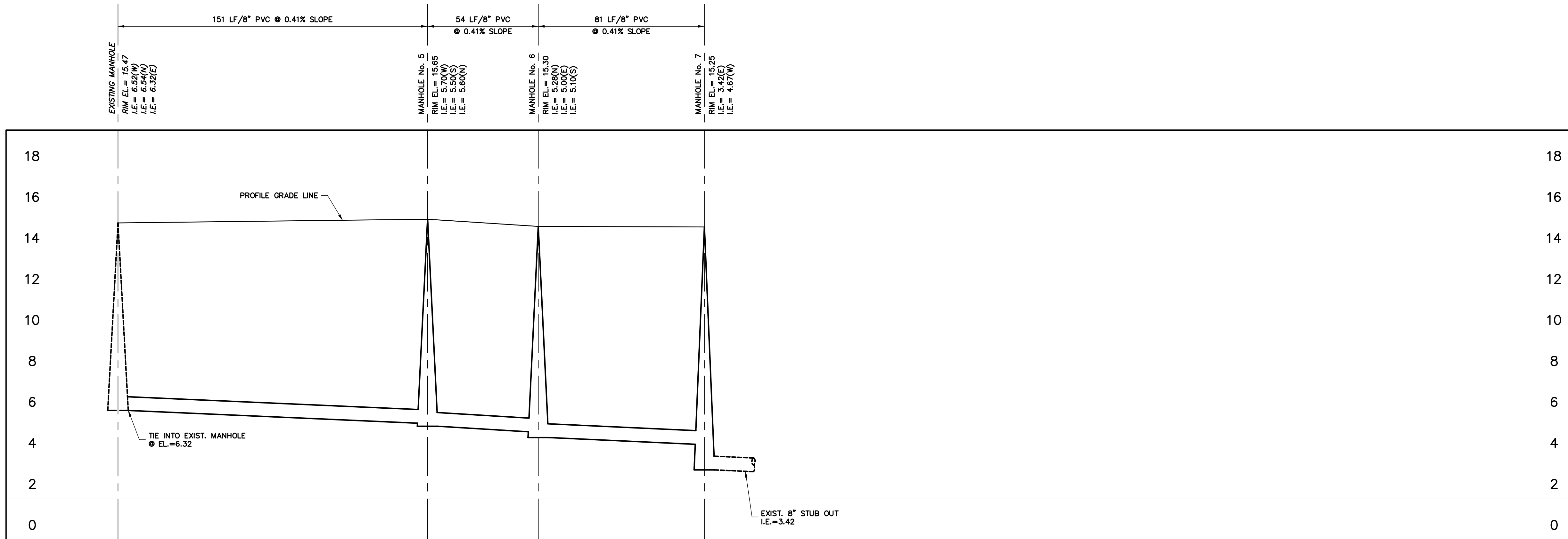
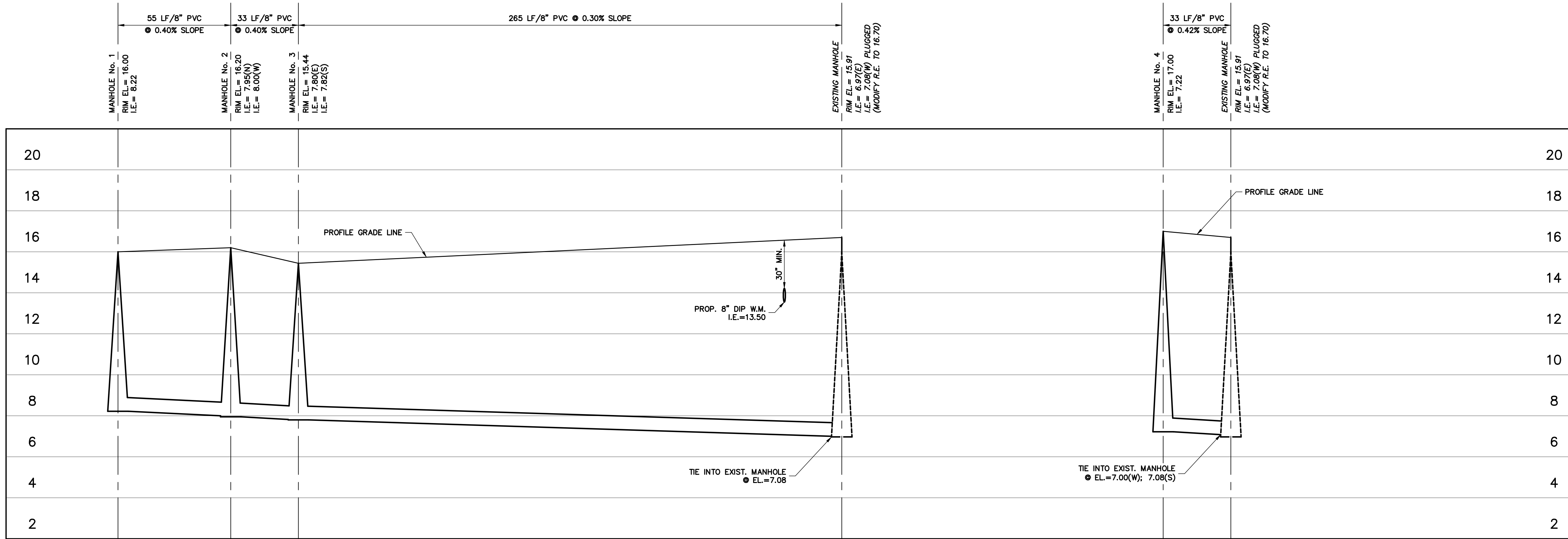
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JOB NUMBER: 12-3516

SHEET No: WS5

SEAL

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PLOT DATE: 5/29/2013 8:30 AM BY: Andy Venneman
LAYOUT: [WS5]



LEGEND

	8" DUCTILE IRON PIPE
	8" PVC PIPE
	8" PVC PIPE (SDR-26)

NOTE:
ALL SANITARY SEWER SHALL BE 8" P.V.C.
SDR 35 (UNLESS NOTED OTHERWISE)

REVISIONS

NO.	DATE	DESCRIPTION

DATE:
Jan. 2013

SCALE:
H:1"=30'; V:1"=3'

DESIGNED BY:
M.G.

DRAWN BY:
M.A.S.

JOB NUMBER
12-3516

SHEET No.
SS1

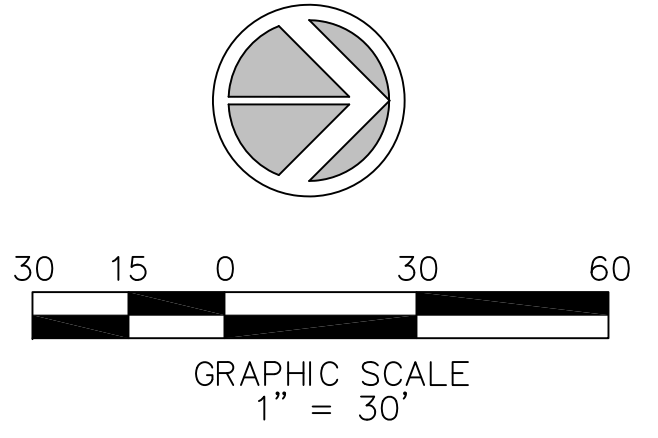
SEAL

May 28 2013

CLIFFORD R. LOUFAN, P.E.
FL. REG. NO. 56890

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PLOT DATE: 5/29/2013 8:30 AM BY: Andy Veneman
LAYOUT: [SWPP1]

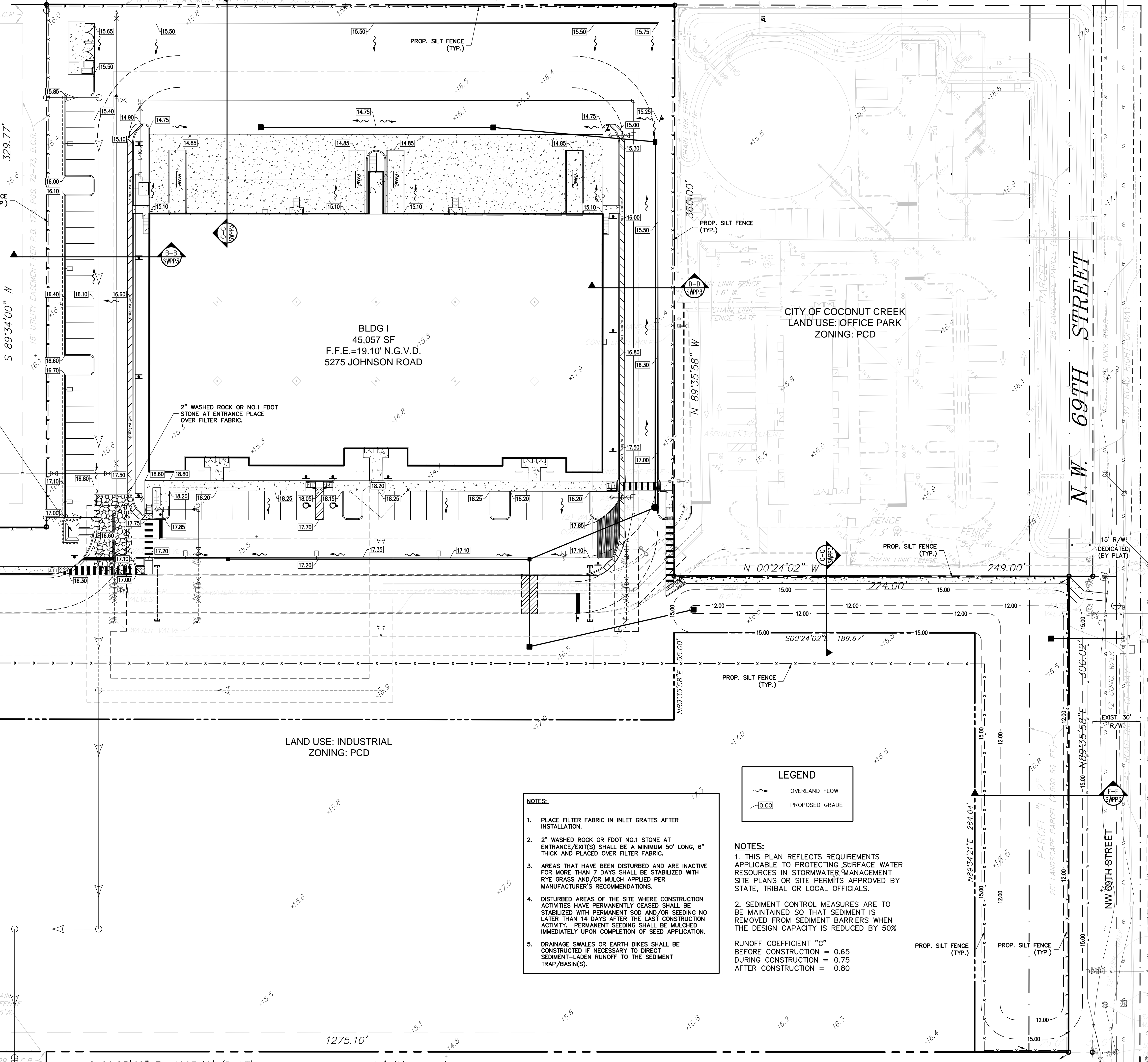
MATCH LINE - SEE SHEET SWPP2 FOR CONTINUATION



PARCEL 'A'
EMMANUEL BAPTIST
CHURCH PLOT
LAND USE: OFFICE PARK
ZONING: CF

SOIL TRACKING
PREVENTION DEVICES - TYPE A
SEE FDOT INDEX #106
FOR DETAILS

12' UTILITY EASEMENT
(PER PLAT)



LAND USE: INDUSTRIAL
ZONING: PC

LEGEND

- OVERLAND FLOW
- PROPOSED GRADE

NOTES:

- PLACE FILTER FABRIC IN INLET GRATES AFTER INSTALLATION.
- 2" WASHED ROCK OR FDOT NO.1 STONE AT ENTRANCE/EXIT(S) SHALL BE A MINIMUM 50' LONG, 6" THICK AND PLACED OVER FILTER FABRIC.
- AREAS THAT HAVE BEEN DISTURBED AND ARE INACTIVE FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH RYE GRASS AND/OR MULCH APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH PERMANENT SOIL AND/OR SEEDING NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. PERMANENT SEEDING SHALL BE MULCHED IMMEDIATELY UPON COMPLETION OF SEED APPLICATION.
- DRAINAGE SWALES OR EARTH DIKES SHALL BE CONSTRUCTED IF NECESSARY TO DIRECT SEDIMENT-LADEN RUNOFF TO THE SEDIMENT TRAP/BASIN(S).

NOTES:

- THIS PLAN REFLECTS REQUIREMENTS APPLICABLE TO PROTECTING SURFACE WATER RESOURCES IN STORMWATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY STATE, TRIBAL OR LOCAL OFFICIALS.
 - SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED SO THAT SEDIMENT IS REMOVED FROM SEDIMENT BARRIERS WHEN THE DESIGN CAPACITY IS REDUCED BY 50%
- RUNOFF COEFFICIENT "C"
BEFORE CONSTRUCTION = 0.65
DURING CONSTRUCTION = 0.75
AFTER CONSTRUCTION = 0.80

Sun-Tech Engineering, Inc.
Engineers - Planners - Surveyors

TECH

1600 West Oakland Park Boulevard
Ft. Lauderdale, FL 33311
Phone (954)777-3123
Fax (954)777-3114
www.suntecheng.com

NO.	DATE	DESCRIPTION

JOHNSON TECHNOLOGY CENTER
FORTS
FLORIDA

CITY OF COCONUT CREEK
STORMWATER POLLUTION
PREVENTION PLAN

DATE:
Jan. 2013

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
A.E.V.

JOB NUMBER
12-3516

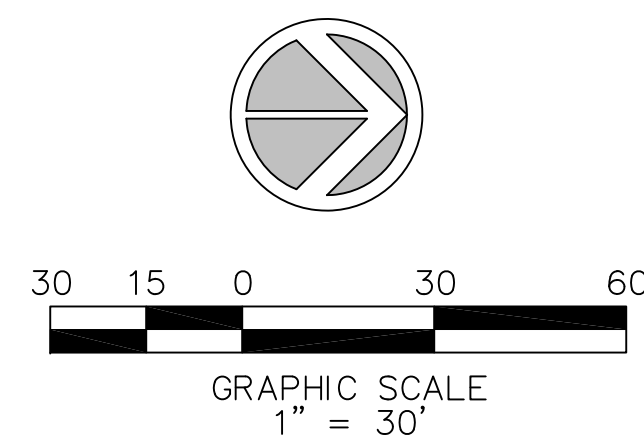
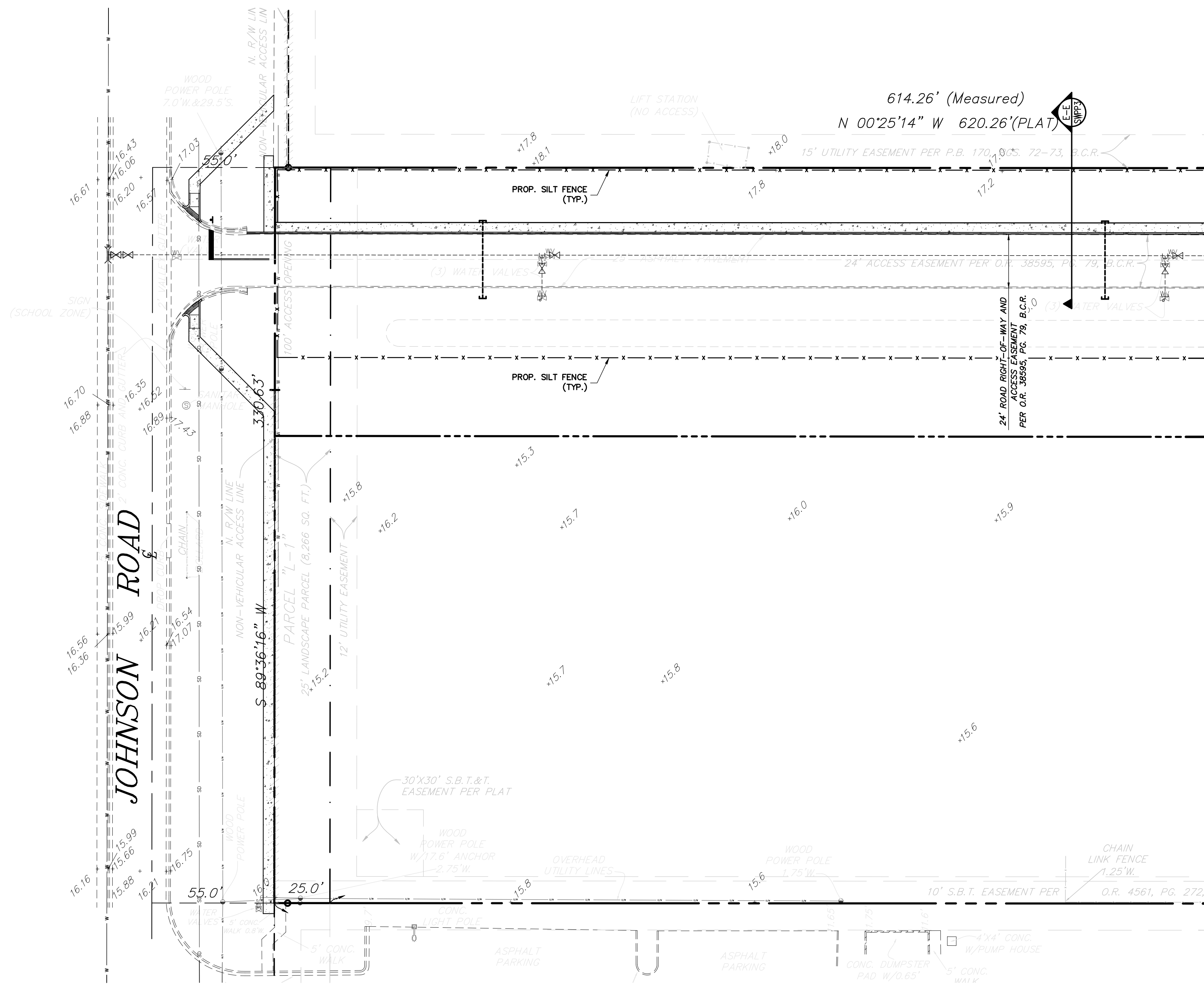
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SWPP1

SEAL

May 28 2013
CLIFFORD R. LOUTAN, P.E.
FL. REG. NO. 56890

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 LAYOUT: [SWPP2]



LEGEND	
	OVERLAND FLOW
	PROPOSED GRADE

NOTES:

- THIS PLAN REFLECTS REQUIREMENTS APPLICABLE TO PROTECTING SURFACE WATER RESOURCES IN STORMWATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY STATE, TRIBAL OR LOCAL OFFICIALS.
 - SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED SO THAT SEDIMENT IS REMOVED FROM SEDIMENT BARRIERS WHEN THE DESIGN CAPACITY IS REDUCED BY 50%
- RUNOFF COEFFICIENT "C"
 BEFORE CONSTRUCTION = 0.65
 DURING CONSTRUCTION = 0.75
 AFTER CONSTRUCTION = 0.80

NOTES:

- PLACE FILTER FABRIC IN INLET GRATES AFTER INSTALLATION.
- 2" WASHED ROCK OR FDOT NO.1 STONE AT ENTRANCE/EXIT(S) SHALL BE A MINIMUM 50' LONG, 6" THICK AND PLACED OVER FILTER FABRIC.
- AREAS THAT HAVE BEEN DISTURBED AND ARE INACTIVE FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH RYE GRASS AND/OR MULCH APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH PERMANENT SOD AND/OR SEEDING NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. PERMANENT SEEDING SHALL BE MULCHED IMMEDIATELY UPON COMPLETION OF SEED APPLICATION.
- DRAINAGE SWALES OR EARTH DIKES SHALL BE CONSTRUCTED IF NECESSARY TO DIRECT SEDIMENT-LADEN RUNOFF TO THE SEDIMENT TRAP/BASIN(S).

MATCH LINE - SEE SHEET SWPP1 FOR CONTINUATION

Sun-Tech Engineering, Inc.
 Engineers - Planners - Surveyors
 1600 West Oakland Park Boulevard
 Ft. Lauderdale, FL 33311
 www.suntecheng.com
 Certificate of Auth. # 7097
 Phone (954)777-3123
 Fax (954)777-3114

REVISIONS	
NO.	DATE

JOHNSON TECHNOLOGY CENTER
 FORTS
 FLORIDA
 CITY OF COCONUT CREEK
STORMWATER POLLUTION PREVENTION PLAN

DATE:
Jan. 2013

SCALE:
1"=30'

DESIGNED BY:
M.G.

DRAWN BY:
A.E.V.

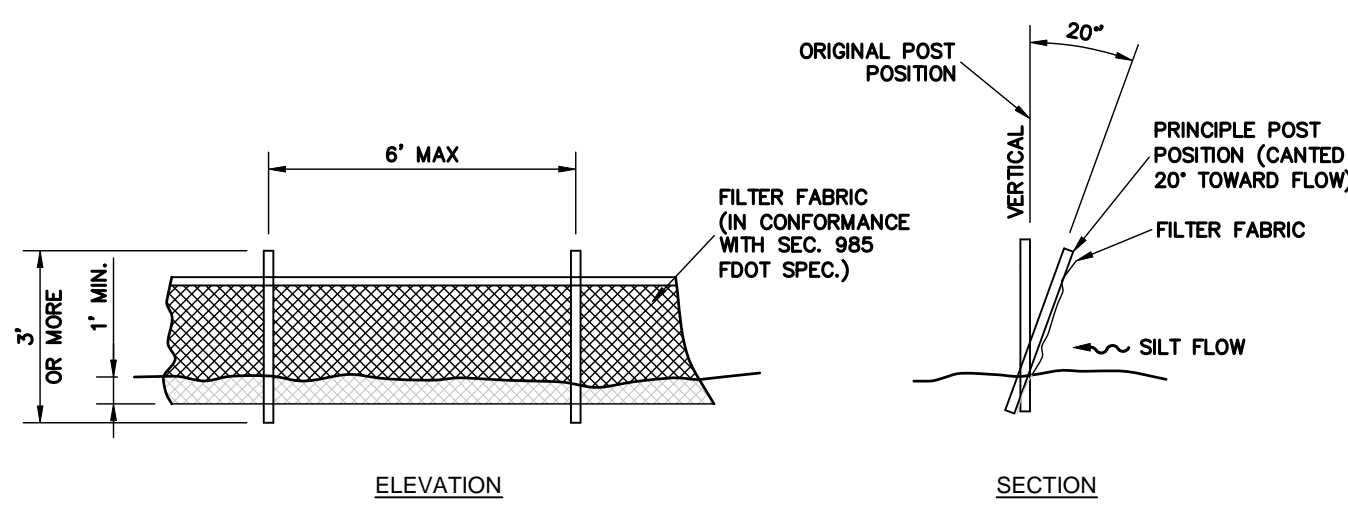
JOB NUMBER
12-3516

SHEET No.
SWPP2

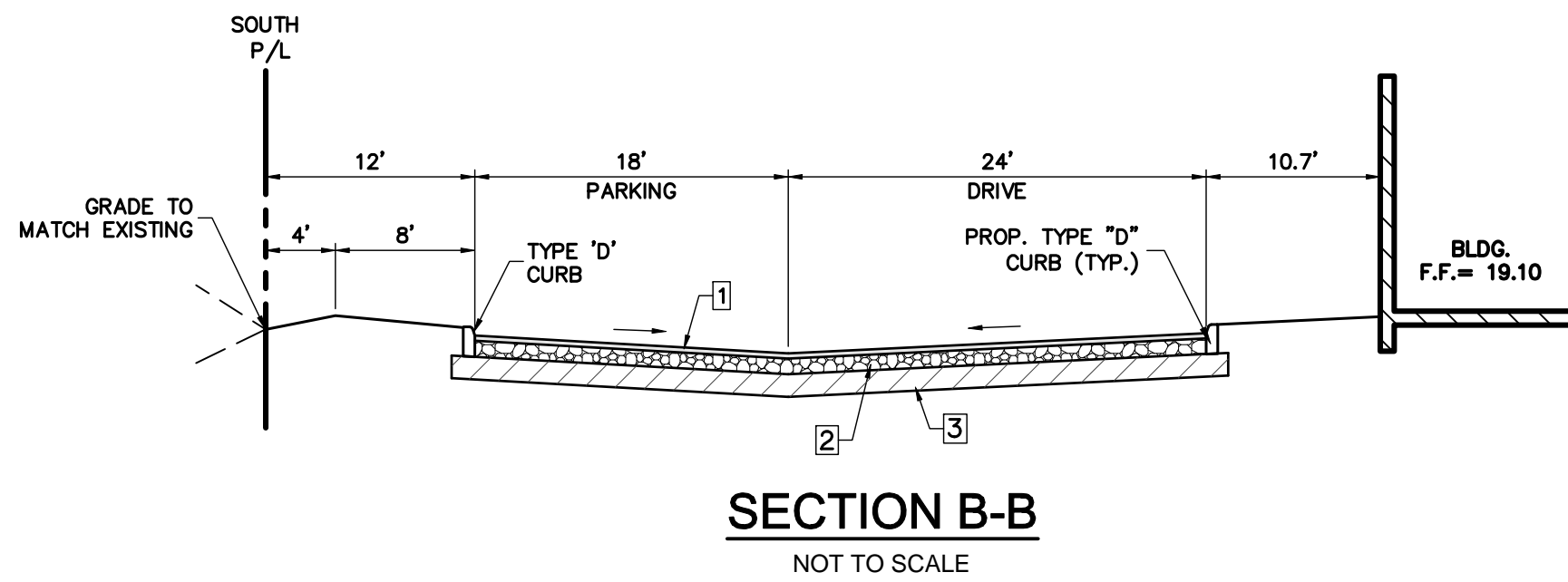
SEAL
 May 28 2013
 CLIFFORD R. LOUTAN, P.E.
 FL. REG. NO. 56890

- ON-SITE PAVEMENT NOTES:**
1. 1 1/2" THICK ASPHALT, TWO LIFTS, 3/4" TYPE S-3 ASPHALT.
 2. THE BASE COURSE SHALL BE LIMEROCK (70% CALCIUM) 8" THICK PRIMED COMPACTED IN ACCORDANCE W/AASHTO SPECIFICATION T-180 TO 98% DENSITY, MIN. LBR 100.
 3. 12" STABILIZED SUBGRADE MIN. DRY DENSITY 115 PCF COMPACTED TO 98% AASHTO T-180 METHOD "C" MIN. LBR TO BE 40.
 4. 8" CONCRETE 3000 PSI W/FIBERMESH. SAWCUT AT 10' O.C. WITHIN 24 HOURS OF POUR.

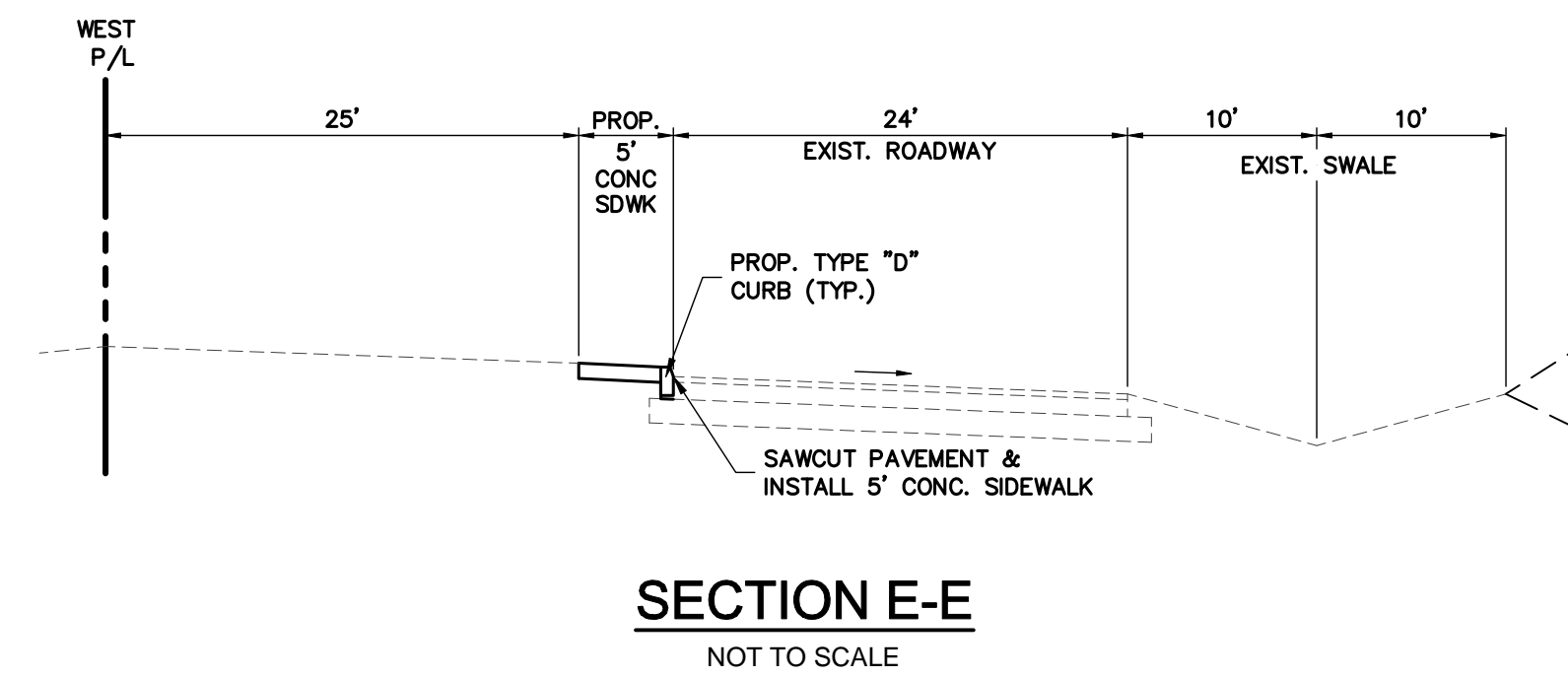
NOTE:
MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.



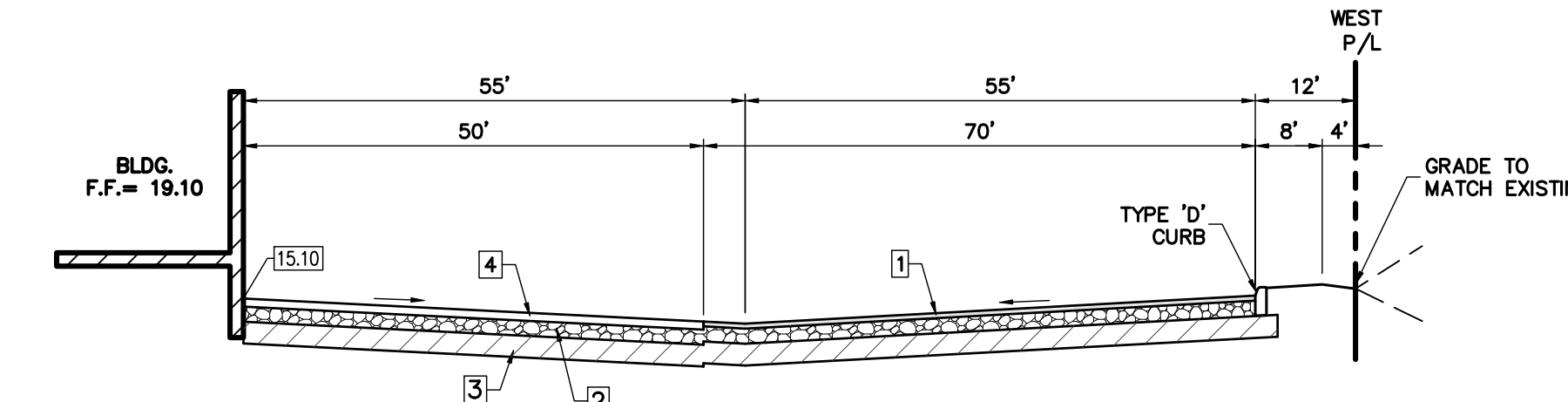
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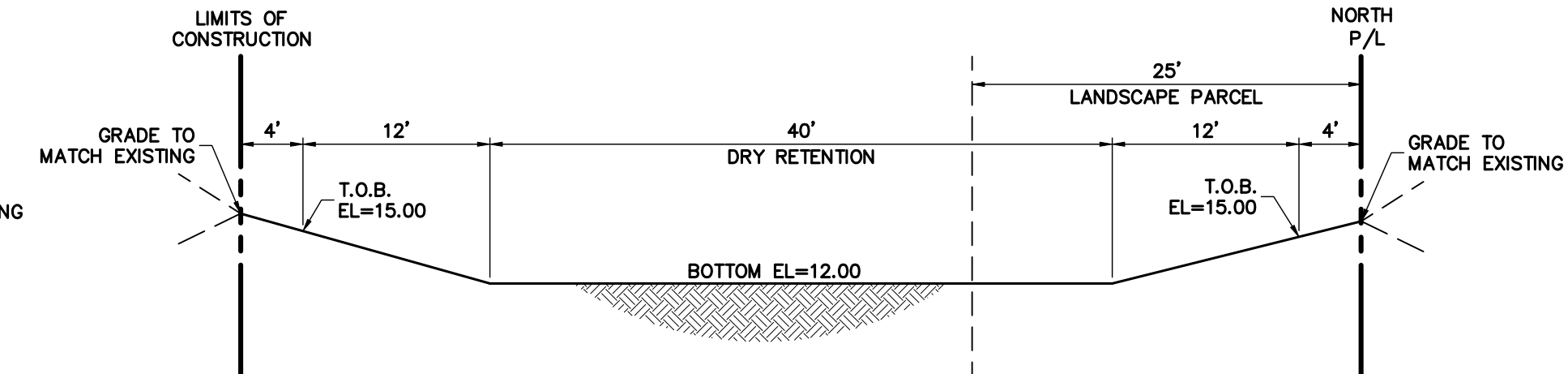
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NOT TO SCALE



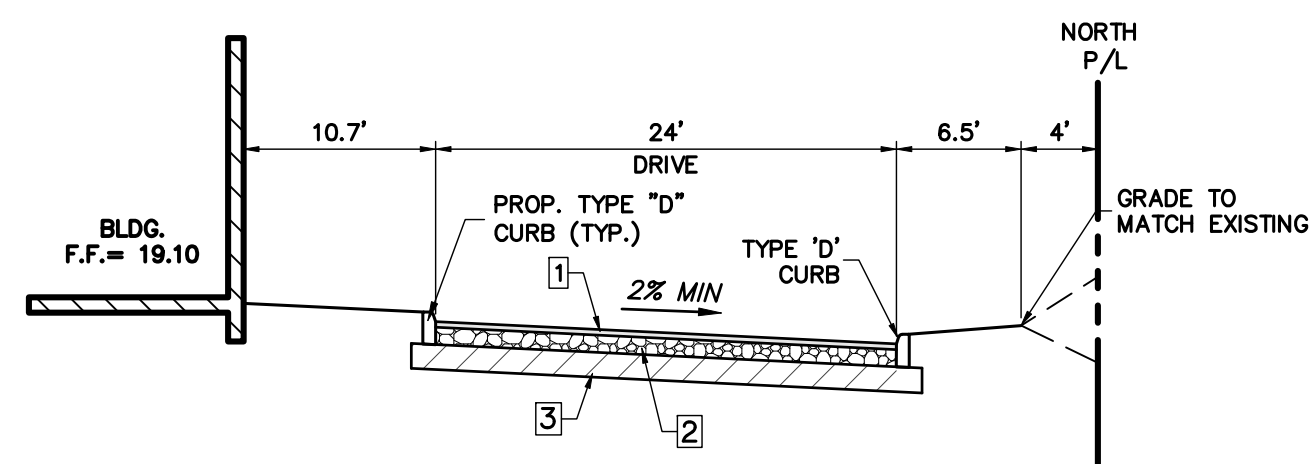
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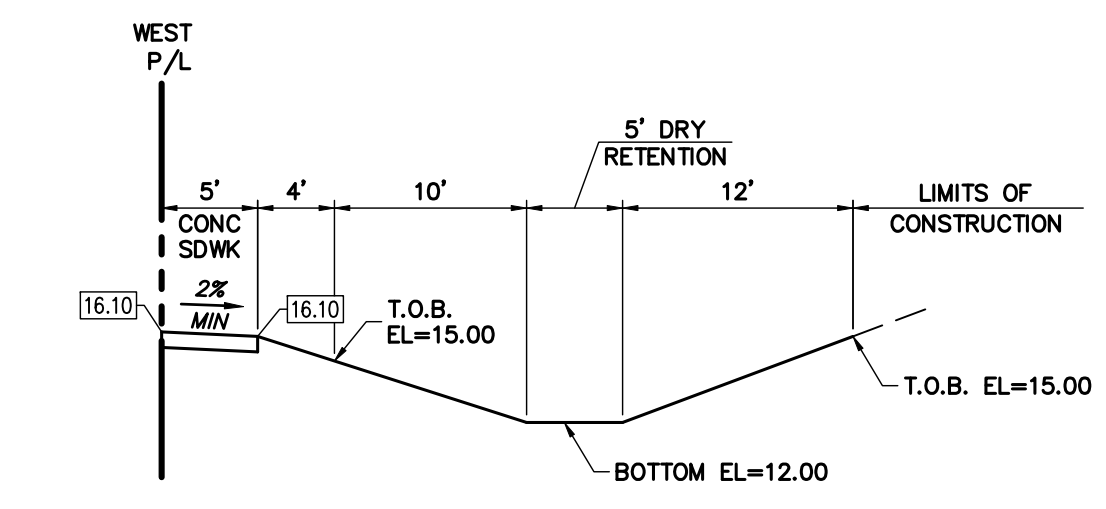
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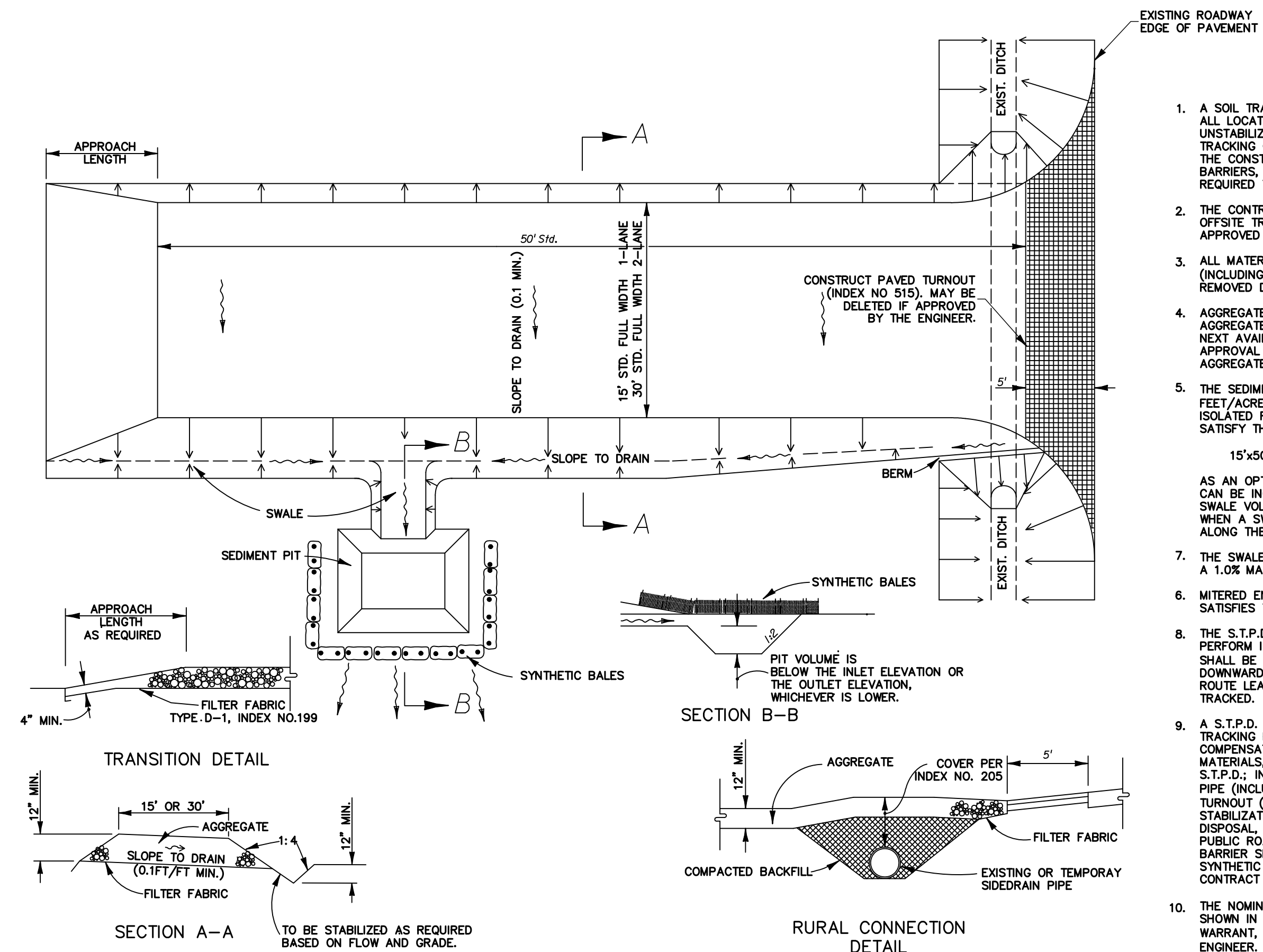
SECTION F-F
NOT TO SCALE



SECTION D-D
NOT TO SCALE



SECTION G-G
NOT TO SCALE



SOIL TRACKING PREVENTION DEVICE - TYPE 'A'
FOOT STD. INDEX #106

GENERAL NOTES

1. A SOIL TRACKING PREVENTION DEVICE (S.T.P.D.) SHALL BE CONSTRUCTED AT ALL LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THRU A S.T.P.D. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE S.T.P.D.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER APPROVED TO ITS USE.
3. ALL MATERIALS SPILLED, DROPPED OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE S.T.P.D. AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
4. AGGREGATES SHALL BE AS DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOTE AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.
5. THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE S.T.P.D. IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:
15'x50'=100 FT³ 30'x50'=200 FT³
AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE VOLUME HAS BEEN REDUCED TO ONE HALF, IT SHALL BE CLEANED. WHEN A SWALE IS USED, SYNTHETIC BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
7. THE SWALE DITCH DRAINING THE S.T.P.D. SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE S.T.P.D. AND TO THE SEDIMENT PIT.
6. MITERED END SECTIONS ARE NOT REQUIRED WHEN THE SIDE DRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
8. THE S.T.P.D. SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSITE TRACKING, THE S.T.P.D. SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE S.T.P.D. MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
9. A S.T.P.D. SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SOIL TRACKING PREVENTION DEVICE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE S.T.P.D.; INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING M.E.S. WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING ASPHALT AND BASE CONSTRUCTION), DITCH STABILIZATION, APPROACH ROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL WATER, RINSING AND CLEANING OF THE S.T.P.D. AND CLEANING OF PUBLIC ROADS, GRASSING AND SOG. SYNTHETIC BALES OR BALE TYPE BARRIER SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SYNTHETIC HAY BALES, LF. SILT FENCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, LF.
10. THE NOMINAL SIZE OF A STANDARD S.T.P.D. IS 15'x50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH S.T.P.D. MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') S.T.P.D. IS USED, THE PAY QUANTITY SHALL BE 2 FOR EACH LOCATION.

NOTES:

1. CONTRACTOR SHALL ADHERE TO THE CITY OF COCONUT CREEK'S ADOPTED EROSION CONTROL AND SEDIMENTATION CONTROL STANDARDS.
2. EROSION AND SEDIMENTATION CONTROLS MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION, WHETHER TEMPORARY OR PERMANENT, AND SHALL NOT BE REMOVED UNTIL THE PROJECT HAS BEEN COMPLETED.
3. ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE 2% FOR ROADWAYS AND 1% FOR PARKING AREAS.
5. ALL ELEVATIONS ARE IN N.G.V.D.

NO.	DATE	REVISIONS DESCRIPTION

DATE:
Jan. 2013

SCALE:
N.T.S.

DESIGNED BY:
M.G.

DRAWN BY:
M.A.S.

JOB NUMBER
12-3516

SHEET No.
SWPP3

SEAL
May 28 2013