

WESTSIDE IMPROVEMENT AREA STORM DRAINAGE, WATER AND SEWER FACILITIES

TOWN OF DAVIE
COUNTY OF BROWARD, STATE OF FLORIDA

TOWN COUNCIL MEMBERS

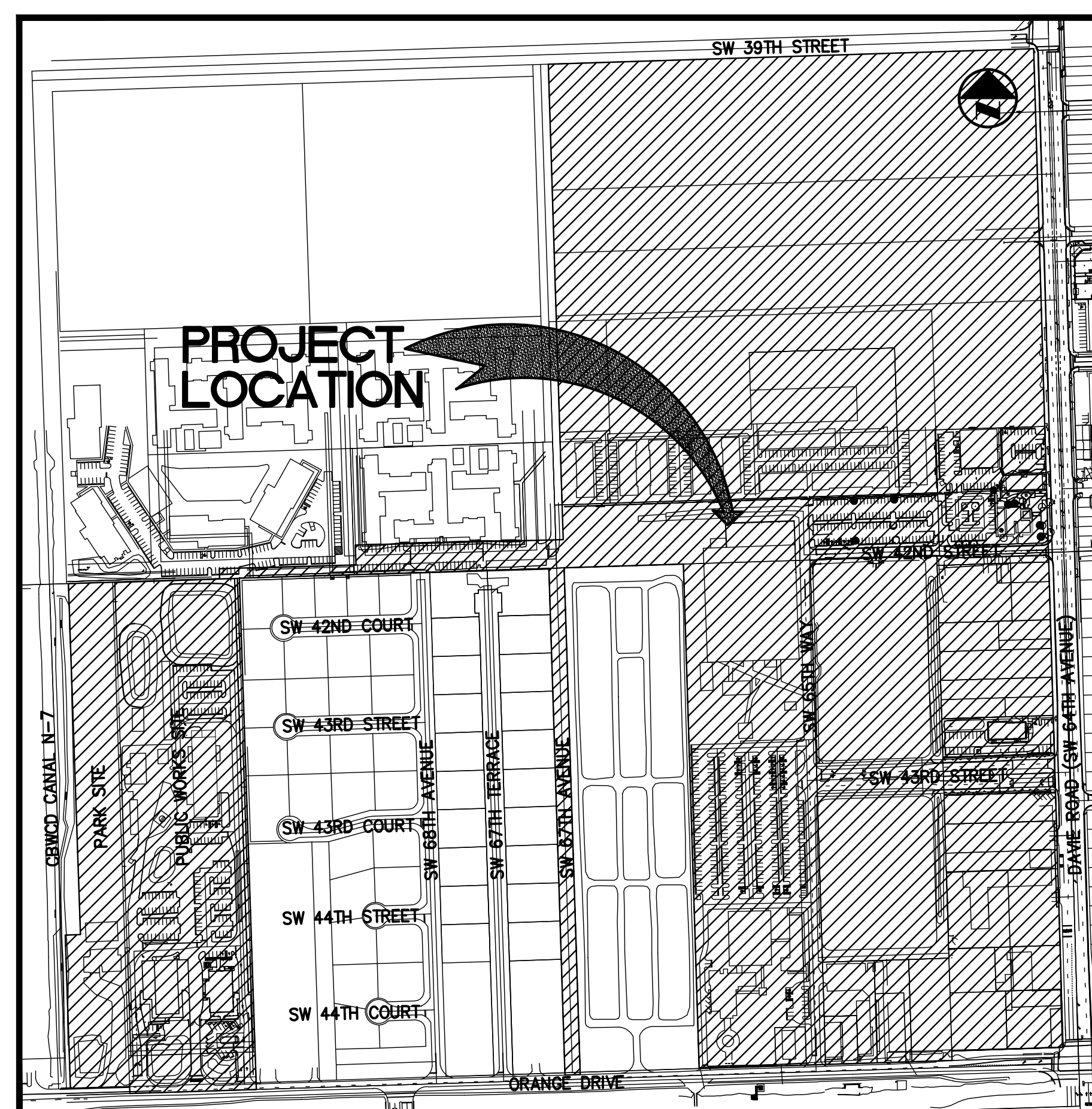
- | | |
|--------------------------|---------------------------|
| JUDY PAUL | MAYOR |
| MARLON LUIS | VICE MAYOR |
| BRYAN CALETKA | COUNCILMEMBER |
| CARYL HATTAN | COUNCILMEMBER |
| SUSAN STARKEY | COUNCILMEMBER |
| RICHARD J. LEMACK | TOWN ADMINISTRATOR |

SITE DATA

| | |
|------------|--|
| LAND USES: | RESIDENTIAL, COMMUNITY |
| ZONING: | A-1 AGRICULTURAL |
| | B-2 COMMUNITY BUSINESS |
| | CF COMMUNITY FACILITIES |
| | PRD-20 PLANNED RESIDENTIAL DEVELOPMENT |
| | RM-16 MEDIUM/HIGH DWELLING DISTRICT |
| | RS SINGLE FAMILY RESIDENTIAL |

SITE AREA BREAKDOWN

| LOCATION | BUILDING | PAVEMENT | GREEN | LAKE | TOTAL |
|--------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|
| COVENANT HOUSE PARK SITE | 0 | 0.35 ACRES | 3.29 ACRES | 0.20 ACRES | 3.84 ACRES |
| PUBLIC WORKS SITE | 0.73 ACRES | 4.36 ACRES | 4.81 ACRES | 0.26 ACRES | 10.16 ACRES |
| WEST SIDE | 8.33 ACRES | 14.98 ACRES | 10.00 ACRES | 0 | 33.31 ACRES |
| NORTH SIDE | 8.45 ACRES | 15.21 ACRES | 10.13 ACRES | 0 | 33.79 ACRES |
| S.W. 67TH AVENUE | 0 | 0.70 ACRES | 0.57 ACRES | 0 | 1.27 ACRES |
| TOTAL | 17.51 ACRES | 35.60 ACRES | 28.80 ACRES | 0.46 ACRES | 82.37 ACRES |
| PERCENTAGE | 21.2% | 43.2% | 35.0% | 0.6% | 100.0% |



SEC. 27 , TWP. 50S, RGE 41E

LOCATION MAP

SCALE: 1" = 300'

PREPARED FOR

DAVIE COMMUNITY REDEVELOPMENT AGENCY

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|-----------------|-----------------------------------|
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| C-1 THRU C-10 | ENGINEERING PLANS |
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PROPERTIES INCLUDED IN PROJECT

| LOCATION | PLAT OR PROPERTY |
|-----------------------|--|
| WEST DRY RETENTION | P.B. 2, PG. 34, D.C.R., EVERGLADES LAND SALES COMPANY SUBDIVISION, TRACT 41 |
| PUBLIC WORKS SITE | P.B. 123, PG. 48, B.C.R., DAVIE COMMUNITY FACILITIES, TRACT "A" |
| WEST SIDE | P.B. 2, PG. 34, D.C.R., EVERGLADES LAND SALES COMPANY SUBDIVISION, TRACTS 1, 46, 47 P.B. 6, PG. 39, B.C.R., DAVIE FIRST ADDITION P.B. 15, PG. 6, B.C.R., DAVIE FIRST ADDITION AMENDED PLAT |
| NORTH SIDE | 4100 CONDO BRENTWOOD TOWNHOUSE CONDOS 1-4 BRENTWOOD WEST TOWNHOUSES CONDO P.B. 2, PG. 34, D.C.R., EVERGLADES LAND SALES COMPANY SUBDIVISION, TRACTS 1, 2, 3, 4 P.B. 111, PG. 5, B.C.R., DAVIE 39TH STREET PLAT P.B. 121, PG. 27, B.C.R., PLESS-WEBB PLAT, PARCEL A P.B. 122, PG. 20, B.C.R., DAVIE 39TH STREET ADDITION, TRACT "A" P.B. 127, PG. 30, B.C.R., CIRCLE L APARTMENTS, PARCEL A P.B. 139, PG. 47, B.C.R., WESTERN PEGASUS II, PARCEL "A" P.B. 143, PG. 37, B.C.R., OLD MCDONALD'S PLAT, TRACT "A" P.B. 170, PG. 128, B.C.R., DAVIE PROFESSIONAL BUILDING, PARCEL A P.B. 178, PG. 179, B.C.R., TOWN SQUARE AT DAVIE, PARCEL A |
| S.W. 67TH AVENUE | PUBLIC RIGHT-OF-WAY |
| STORM TRUNK LINE ONLY | P.B. 2, PG. 34, D.C.R., EVERGLADES LAND SALES COMPANY SUBDIVISION, TRACT 16 P.B. 146, PG. 13, B.C.R., HIDDEN ACRES, PARCEL "A" |

BENCHMARK REFERENCE

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) AND REFERENCED TO BROWARD COUNTY ENGINEERING DEPARTMENT BENCH MARK # 3633 IN SECTION 27-50-41, DESCRIBED AS SQUARE CUT IN HEADWALL, 711' NORTH OF NORTH EDGE OF PAVEMENT GRIFFIN ROAD AT EDGE OF WATER N-7 CANAL ON WEST SIDE. NOTE: MARK LOCATED ON THE N.E. CORNER OF THE FIRST HEADWALL NORTH OF ORANGE DRIVE, ON THE EAST SIDE OF 70TH TERR. ELEVATION = 4.774'.

CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

THE PUBLIC ROADWAYS INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS OF FLORIDA"

NOTES:

- BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.
- BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UNWARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UNWARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, UNWARRANTED PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.
- THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UNWARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UNWARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

PERMIT SET
MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

MATERIAL
ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

NOTICE INSPECTION REQUIRED
24 HOURS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION

NOTE
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

Gary A. Tenn
Florida P.E. No. 42099



Craven • Thompson & Associates, Inc.
ENGINEERS • PLANNERS • SURVEYORS

3563 N.W. 53RD STREET FORT LAUDERDALE, FLORIDA 33309
TEL.: (954) 739-6400 FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

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Know what's below.
Call before you dig.

PROJECT NO. : 09-0056-001-01
DATE : JANUARY 2017

I. APPLICABLE CODES

- A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF DAVIE CENTRAL BROWARD WATER CONTROL DISTRICT, BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION (DAVIE ROD) AND THEIR LOCAL, STATE AND NATIONAL CODES WHERE APPLICABLE.

- 5. INSTALLATION OF THE DRAINING SURFACE SHALL CONFORM WITH THE REQUIREMENTS OF THE M.O.T. STANDARD SPECIFICATIONS FOR TYPE 5-III ASPHALTIC CONCRETE.

II. PRECONSTRUCTION RESPONSIBILITIES

- A. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.

III. INSTALLATION

- A. THE CONTRACTOR SHALL NOTIFY THE TOWN OF DAVIE ENGINEERING DEPARTMENT, THE ENGINEER OF RECORD, AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS, WHICH APPLICABLE:

IV. SHOP DRAWINGS

- A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND ONE COPY OF DAVE FOR THE FOLLOWING: STORM DRAIN MANHOLES AND CATCH BASINS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.

V. TEMPORARY FACILITIES

- A. TEMPORARY FACILITIES: 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY.

VI. PAVING

- A. GENERAL: 1. ALL MUCK AND YIELDING MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH CLEAN FILL MATERIAL, WHICH SHALL BE COMPACTED AND SHAPED TO CONFORM TO THE REQUIREMENTS OF THE TOWN OF DAVIE.

VII. STORM DRAINAGE

- A. GENERAL: 1. CATCH BASIN GRATES AND RIM ELEVATIONS AS SHOWN ON PLANS MAY BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.

VIII. WATER DISTRIBUTION SYSTEM

- A. SEPARATION OF WATER AND SEWER MAINS: 1. SANITARY SEWERS, STORM SEWERS, AND FORCE MAINS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE.

B. MATERIALS:

- 1. GRAVITY SEWER PIPE AND FITTINGS: a. PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D-3034, SDR 26, WITH FLUSH END RUBBER GASKET JOINTS UNLESS BY THE TOWN OF DAVIE.

C. SERVICE CONNECTION:

- 1. SERVICE SADDLES SHALL BE DUCTILE IRON EPOXY WITH DOUBLE STAINLESS STEEL STAIRS. ALL SERVICE SADDLES SHALL CONFORM TO ANSI/AWWA C111/A211-00 AND ASTM A-588.

D. TESTING:

- 1. GRAVITY PIPE: a. AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE ENTIRE SYSTEM SHALL BE LAMPED AND SHOW A FULL ORGLE OF LIGHT. SEWER MAINS SHALL BE LAMPED AND SHOW A FULL ORGLE OF LIGHT FROM THE REPRESENTATIVE FROM THE TOWN OF DAVIE ENGINEERING DEPARTMENT.

E. TESTING:

- 1. SANITARY SEWER SHALL BE TESTED, AT CONTRACTOR'S EXPENSE, PRIOR TO FINAL APPROVAL OF CONSTRUCTION. ONE FORM OF TEST AND REPORT SHALL BE EXAMINED BY THE TOWN OF DAVIE UTILITIES DEPARTMENT. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO THE TOWN'S CERTIFICATION OF COMPLETION TO ANY AGENCY.

XII. NPDES REQUIREMENTS

- A. AT LEAST TWO (2) DAYS PRIOR TO THE START OF CONSTRUCTION, THE OWNER SHALL SUBMIT A COP "NOTICE OF INTENT" TO USE EXCEPT PERMITS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND' FORM (DEP FORM 62-021.3004)(b) TO THE BROWARD COUNTY SCHOOL BOARD.

XIII. GENERAL NOTES: CENTRAL BROWARD WATER CONTROL DISTRICT

- 01. THE FOLLOWING GENERAL NOTES ARE REQUIRED BY CENTRAL BROWARD WATER CONTROL DISTRICT. THEY ARE NOT MEANT TO INTERFERE WITH THE TOWN OF DAVIE'S REQUIREMENTS TO ADD ANY NOTES WHICH WILL INFORM THE OWNER AND THE CONTRACTOR OF ANY ADDITIONAL REQUIREMENT OF THE CENTRAL BROWARD WATER CONTROL DISTRICT.

- 02. LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 911 OF FLORIDA DEPARTMENT OF TRANSPORTATION AND CONCERNING THE REQUIREMENTS OF THE PERCENTAGE OF CARBONATES OF CALCIUM AND MAGNESIUM SHALL BE SIXTY PERCENT (60%).

- 03. CENTRAL BROWARD DRAINAGE DISTRICT SHALL BE CALLED AT THE END OF THE PROJECT FOR THE BARRIERS OF DRAINAGE TRENCH AND PRIOR TO THE PLACEMENT OF ASPHALT.

- 04. ANY REVISIONS TO THESE PLANS MUST BE APPROVED BY CENTRAL BROWARD DRAINAGE DISTRICT PRIOR TO CONSTRUCTION.

- 05. BONDS AND INSPECTION: 1. UPON DISTRICT BOARD OF COMMISSIONERS APPROVAL OF ANY PLAN SUBJECT TO THE DISTRICT'S CONCURRENCE, THE FOLLOWING ITEMS MUST BE COMPLIED WITH:

- A) BOND (CASH OR SURETY), IN THE DISTRICT'S FAVOR, MUST BE POSTED IN THE AMOUNT OF 100% OF THE DEVELOPER'S ESTIMATE OF THE SEPARATE BOND ESTIMATE OF COST OF CONSTRUCTION OF THE PAVING AND DRAINAGE WORKS (SUBJECT TO APPROVAL OF THE COST ESTIMATE BY THE DISTRICT ENGINEER).

- B) ALL EASEMENTS, DEED RESTRICTIONS, MAINTENANCE AGREEMENTS, ETC. MUST BE REVIEWED BY THE DISTRICT ENGINEER. BEFORE PRESENTED TO THE DISTRICT SECRETARY AND APPROVED BY THE DISTRICT BOARD OF COMMISSIONERS. THE DISTRICT SECRETARY WILL BE RESPONSIBLE FOR THE APPLICATION OF THE DISTRICT'S BOND FORM.

- C) UPON COMPLIANCE WITH THE CONDITIONS REQUIRED BY THE DISTRICT ENGINEER, THE DISTRICT SECRETARY WILL MARK THE PLANS "APPROVED" SIGN SAME AND DISTRIBUTE THE APPROVED PLANS TO THE GOVERNMENTAL AGENCY INVOLVED, THE DEVELOPER, AND THE DISTRICT FILES.

Marginal notes on the left side of the page, including a vertical note about 'WESTSIDE IMPROVEMENT AREA' and 'TOWN OF DAVIE, BROWARD COUNTY, FLORIDA' and a horizontal note about 'DAVIE COMMUNITY REDEVELOPMENT AGENCY'.

Marginal notes on the right side of the page, including a vertical note about 'GENERAL NOTES AND SPECIFICATIONS' and a horizontal note about 'DAVIE COMMUNITY REDEVELOPMENT AGENCY'.

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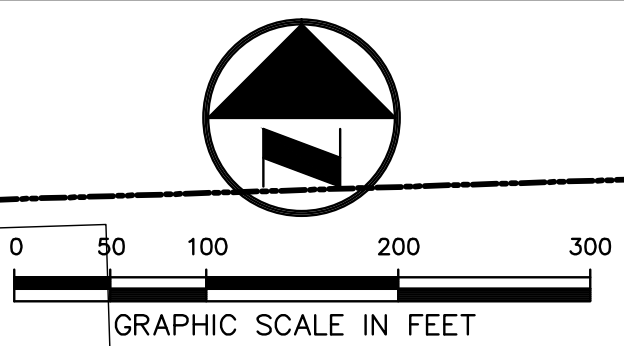
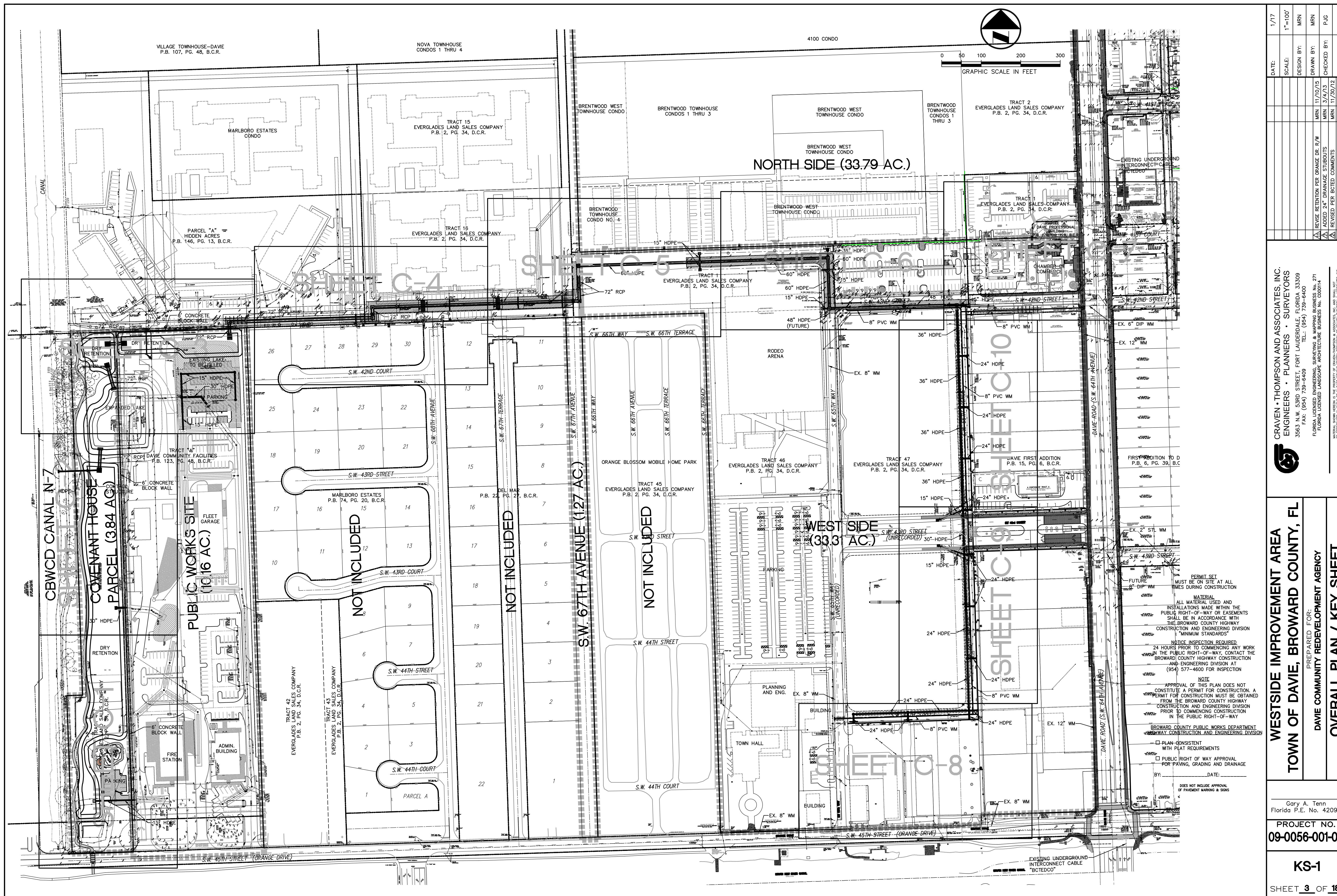
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Project information block on the far right, including 'DATE: 1/17', 'SCALE: NONE', 'DESIGN BY: MRN', 'DRAWN BY: MRN', 'CHECKED BY: PJG', 'APPROVED BY: DATE: 12/20/12', 'REVISED PER CBWD & SFWD COMMENTS', 'DESIGNATION: NONE', 'CRAVEN • THOMPSON AND ASSOCIATES, INC.', 'ENGINEERS • PLANNERS • SURVEYORS', '3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309', 'TEL: (954) 739-6409', 'FAX: (954) 739-6409', 'FLORIDA LICENSED ARCHITECTURE & BUSINESS NUMBER: 271', 'FLORIDA LICENSED LANDSCAPE ARCHITECTURE & BUSINESS NUMBER: 13000', 'NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS & ARCHITECTS, 400 N. ZEEB ROAD, SUITE 100, FORT LAUDERDALE, FLORIDA 33304', 'DAVIE COMMUNITY REDEVELOPMENT AGENCY', 'WESTSIDE IMPROVEMENT AREA', 'TOWN OF DAVIE, BROWARD COUNTY, FLORIDA', 'PREPARED FOR: DAVIE COMMUNITY REDEVELOPMENT AGENCY', 'PROJECT NO. 09-0056-001-01', 'GARY A. TENN. Florida P.E. No. 42099', 'PROJECT NO. 09-0056-001-01', 'GN-1', 'SHEET 2 OF 18'.

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| | |
|--------------|---------|
| DATE: | 1/17 |
| SCALE: | 1"=100' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

CRAVEN • THOMPSON AND ASSOCIATES, INC.
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 FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
OVERALL PLAN / KEY SHEET

Prepared for:
 Gary A. Tenn
 Florida P.E. No. 42099
 PROJECT NO.
09-0056-001-01
KS-1
 SHEET 3 OF 18

PERMIT SET MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

MATERIAL ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

NOTICE INSPECTION REQUIRED 24 HOURS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION

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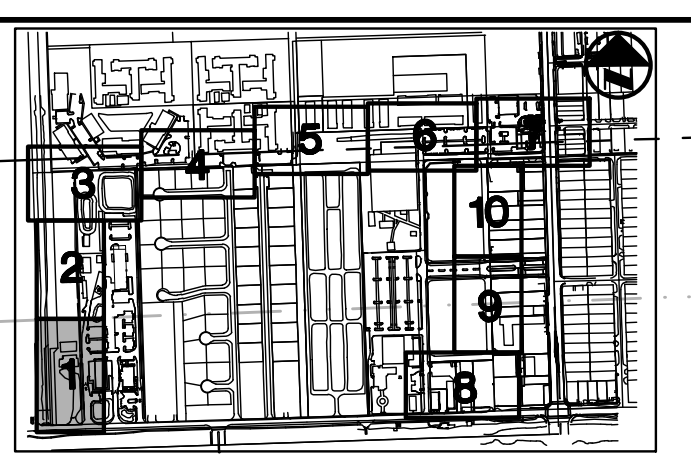
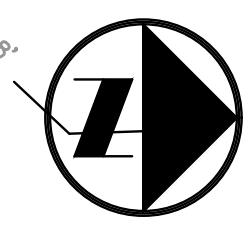
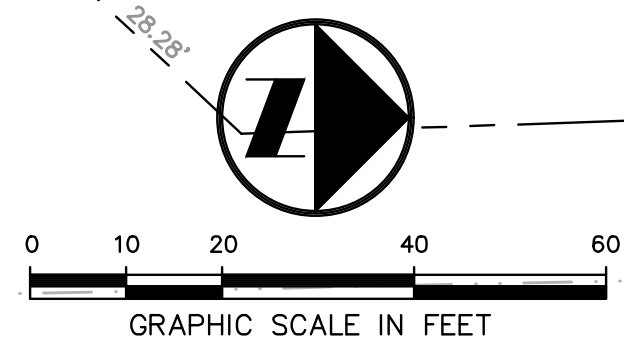
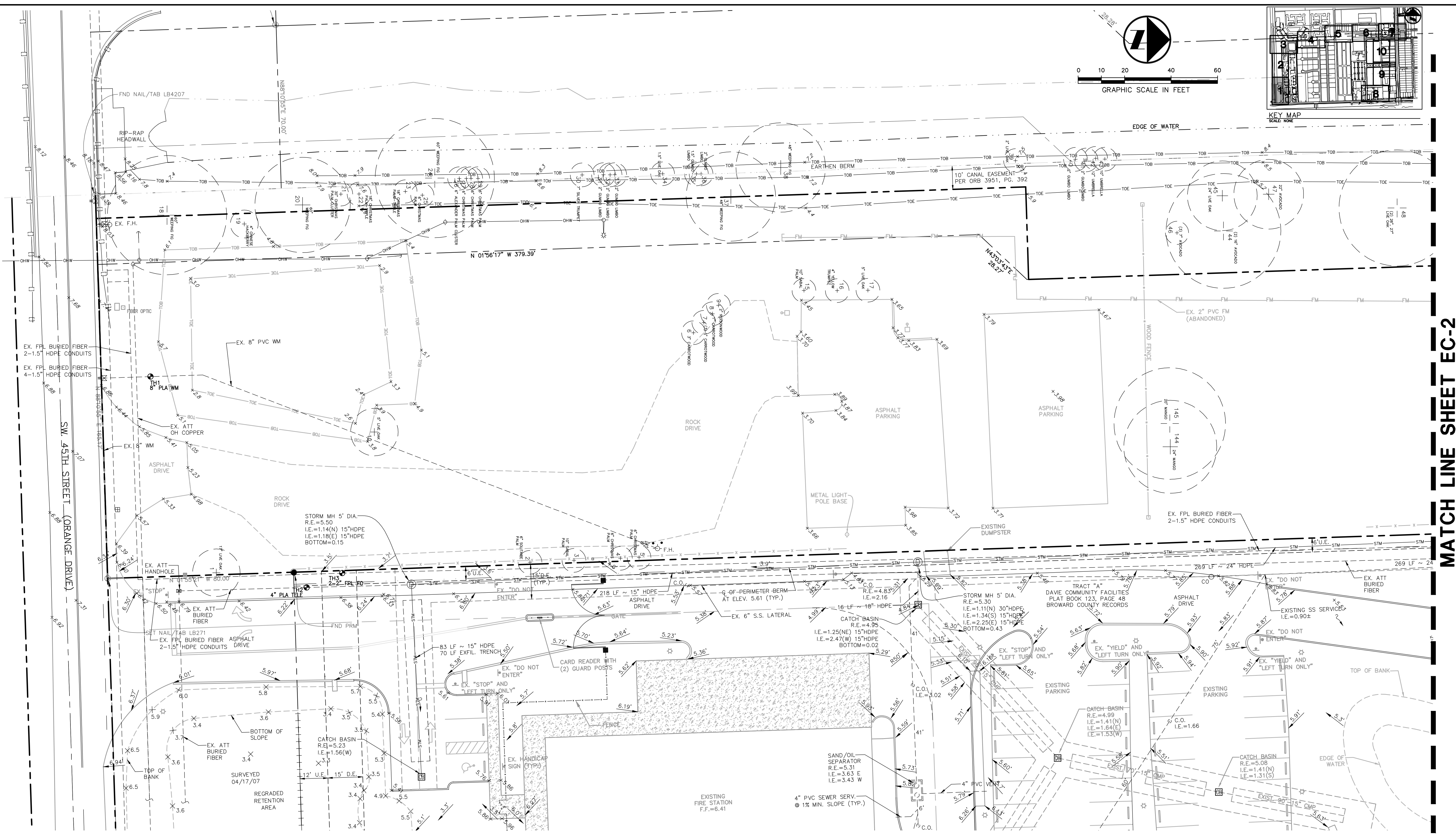
BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
- PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

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| TEST HOLE NO. | UTILITY | TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION | COMMENT |
|---------------|---------|--------|------|----------|-------------------------|-------------|-------------|---------|
| 1 | WATER | 8" | PLA | 6.12 | 3.41 | 2.71 | TOP OF PIPE | |
| 2 | TELE | 4" | PLA | 5.77 | 2.60 | 3.17 | TOP OF PIPE | |
| 3 | FPL FO | 2 @ 2" | PLA | 4.61 | 3.34 | 1.27 | TOP OF PIPE | |

EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BCR BROWARD COUNTY RECORDS
- BLDG BUILDING
- BM BENCH MARK
- CEWCD CENTRAL BROWARD WATER CONTROL DISTRICT
- CMP CORRUGATED METAL PIPE
- DIP DUCTILE IRON PIPE
- D.E. DRAINAGE EASEMENT
- FND FOUND
- HDP HIGH DENSITY PLASTIC PIPE
- INV INVERT ELEVATION
- IRON ROD
- IRC IRON ROD W/CAP
- LB LICENSED BUSINESS
- ORB OFFICIAL RECORDS BOOKS
- PLAT BOOK
- PG PAGE
- PLS PROFESSIONAL LAND SURVEYOR
- PRM PERMANENT REFERENCE MONUMENT
- RIM RIM ELEVATION
- RLS REGISTERED LAND SURVEYOR
- RWL RAIN WATER LEADER
- R/W RIGHT-OF-WAY
- U.E. UTILITY EASEMENT
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TOE TOE OF SLOPE
- TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

MATCH LINE SHEET EC-2

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

CRAVEN • THOMPSON AND ASSOCIATES, INC.
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3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL.: (954) 739-6409 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
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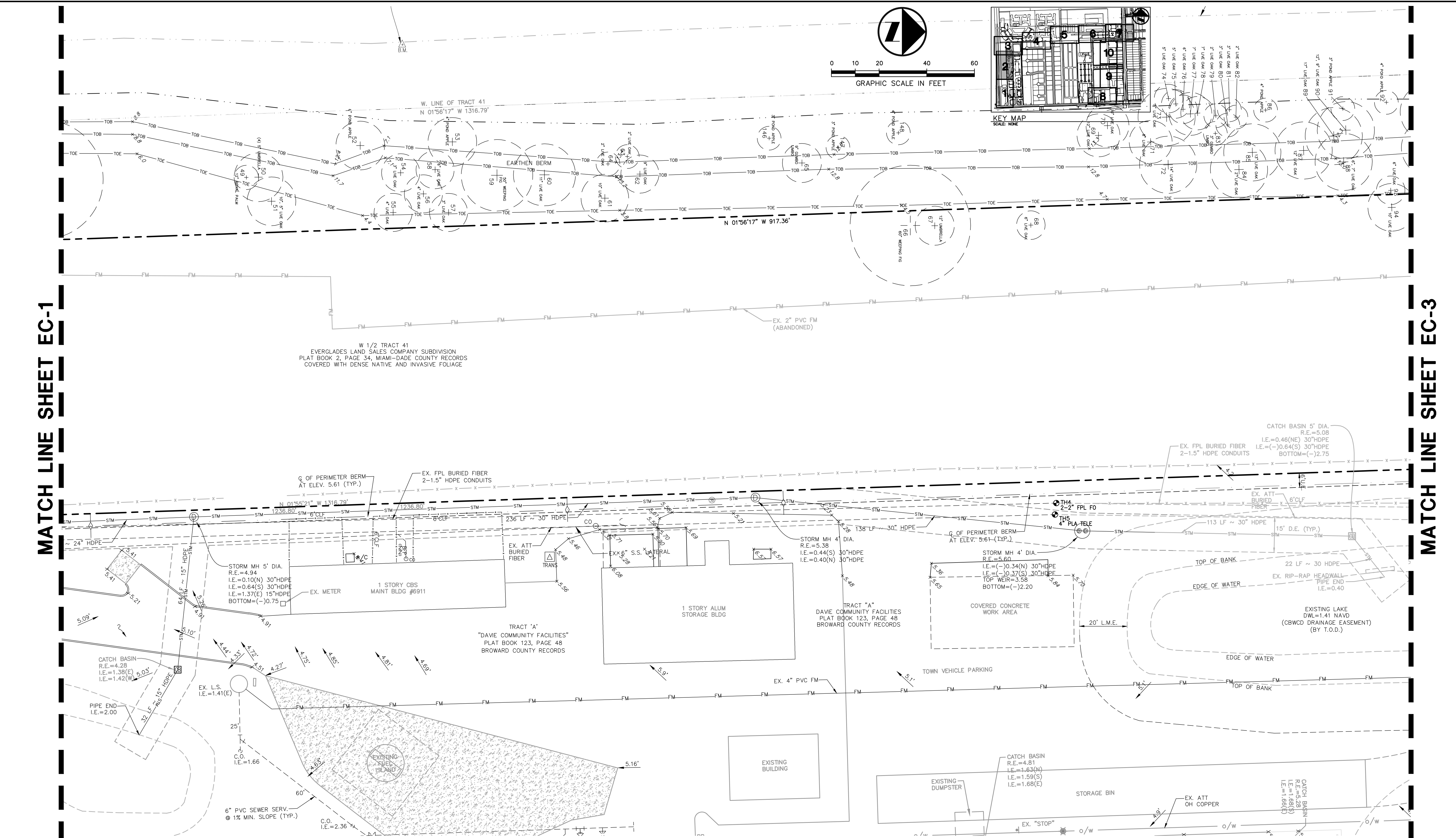
WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-1
SHEET 1 OF 10

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MATCH LINE SHEET EC-1

MATCH LINE SHEET EC-3



| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|--------|----------|-------------------------|-------------|------------------|-------------|
| 4 | FPL FO | 2 @ 2" | PLA | 4.58 | 2.66 | 1.92 | TOP OF PIPE |
| 5 | TELE | 4" | PLA | 4.88 | 2.16 | 2.72 | TOP OF PIPE |

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.).
N.A.V.D. = N.G.V.D. - 1.59'

- EXISTING LEGEND:**
- ANCHOR
 - BACK FLOW PREVENTER
 - BOLLARD
 - CATCH BASIN
 - CATCH LIGHT POLE
 - ELECTRICAL PULL BOX
 - FIRE HYDRANT
 - FIBER OPTIC PEDESTAL
 - METAL LIGHT POLE
 - ROOF DRAIN
 - SANITARY MANHOLE
 - SIGN
 - SANITARY SEWER CLEAN OUT
 - STORM MANHOLE
 - TELEPHONE PEDESTAL
 - TELEPHONE PULL BOX
 - TRANSFORMER PAD
 - WATER METER
 - WATER VALVE
 - WOOD LIGHT POLE
 - WOOD TELEPHONE POLE
 - WOOD POWER POLE
 - TEST HOLE NUMBER AND LOCATION
 - BROWARD COUNTY RECORDS
 - BUILDING
 - BENCH MARK
 - CENTRAL BROWARD WATER CONTROL DISTRICT
 - CORRUGATED METAL PIPE
 - DUCTILE IRON PIPE
 - DRAINAGE EASEMENT
 - FIND
 - HDP
 - HIGH DENSITY PLASTIC PIPE
 - IRON ROD
 - IRON ROD W/CAP
 - LICENSED BUSINESS
 - OFFICIAL RECORDS BOOKS
 - PLAT BOOK
 - PROFESSIONAL LAND SURVEYOR
 - PERMANENT REFERENCE MONUMENT
 - RIM ELEVATION
 - REGISTERED LAND SURVEYOR
 - RAIN WATER LEADER
 - RIGHT-OF-WAY
 - UTILITY EASEMENT
 - CABLE TELEVISION BOX
 - COMMUNICATIONS BOX
 - CHAIN LINK FENCE
 - WOOD CORRAL FENCE
 - ELECTRICAL BOX
 - FORCE MAIN
 - OVERHEAD WIRE
 - SANITARY SEWER PIPE
 - STORM DRAINAGE PIPE
 - TOE OF SLOPE
 - TOP OF BANK
 - TREE TO BE REMOVED
 - TREE TO REMAIN
 - ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

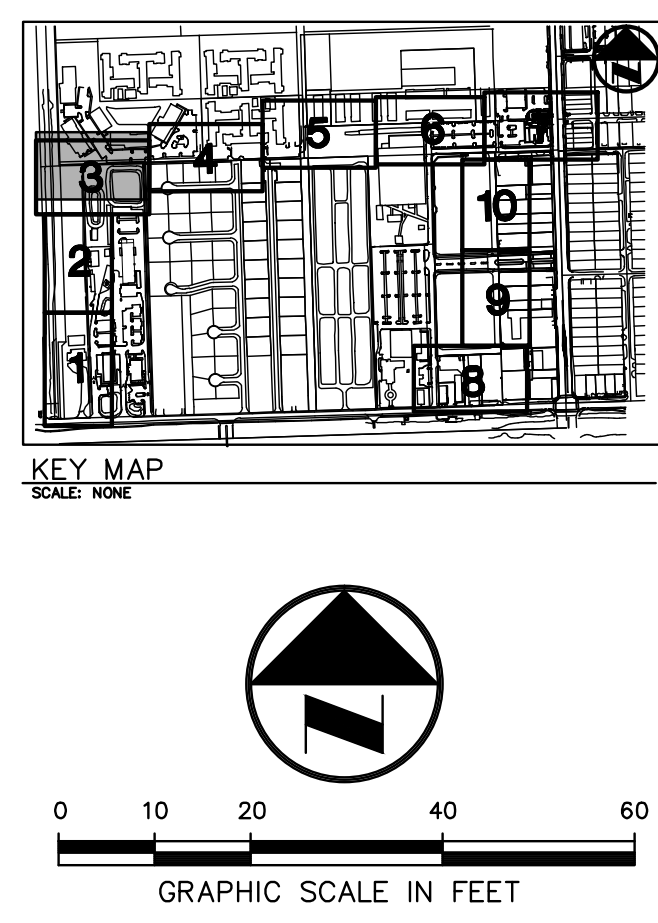
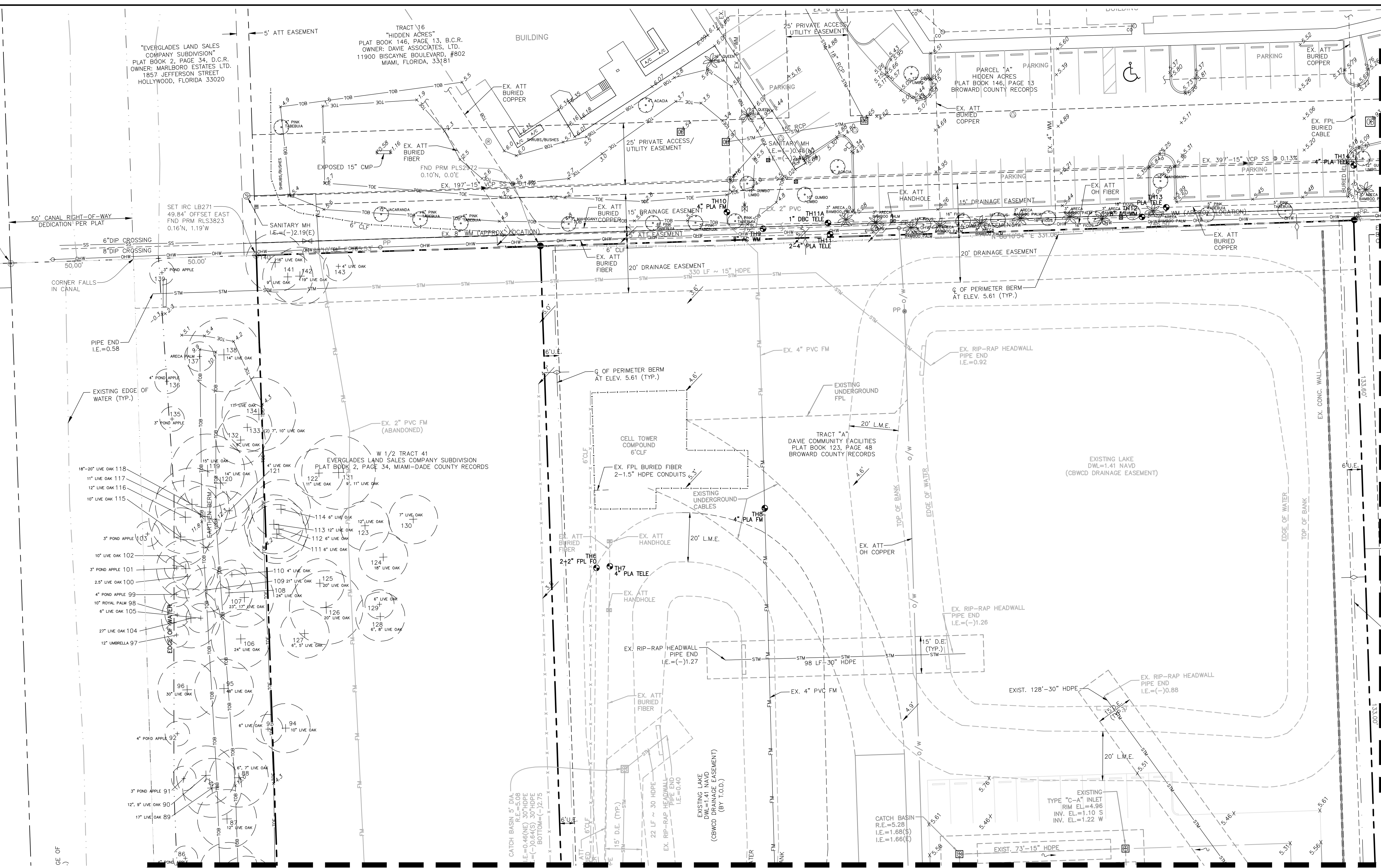
| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000914
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-2
SHEET 2 OF 10

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MATCH LINE SHEET EC-4

MATCH LINE SHEET EC-2

| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|--------|----------|-------------------------|-------------|------------------|--------------|
| 6 | FPL FO | 2 @ 2" | PLA | 4.93 | 2.78 | 2.15 | TOP OF PIPE |
| 7 | TELE | 4" | PLA | 5.12 | 2.88 | 2.24 | TOP OF PIPE |
| 8 | FM | 4" | PLA | 4.95 | 3.00 | 1.95 | TOP OF PIPE |
| 9 | WATER | 8" | AC | 5.69 | 4.37 | 1.32 | TOP OF PIPE |
| 10 | FM | 4" | PLA | 4.63 | 3.63 | 1.00 | TOP OF PIPE |
| 11 | TELE | 2 @ 4" | PLA | 5.57 | 3.25 | 2.32 | TOP OF PIPE |
| 11A | TELE | 1" | DBC | 5.50 | 3.68 | 1.82 | TOP OF CABLE |
| 12 | WATER | 8" | AC | 5.74 | 4.20 | 1.54 | TOP OF PIPE |
| 13 | TELE | UNK | PLA | 5.74 | 4.43 | 1.31 | TOP OF PIPE |
| 14 | TELE | 4" | PLA | 5.88 | 4.97 | 0.91 | TOP OF PIPE |

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

EXISTING LEGEND:

| | | | | |
|------------------------------|----------|--|------|--|
| ANCHOR | ROW | BROWARD COUNTY RECORDS | CATV | CABLE TELEVISION BOX |
| BACK FLOW PREVENTER | BUILDING | BUILDING | CB | COMMUNICATIONS BOX |
| BOLLARD | BM | BENCH MARK | CL | CHAIN LINK FENCE |
| CATCH BASIN | CBWCD | CENTRAL BROWARD WATER CONTROL DISTRICT | CLF | WOOD CORRAL FENCE |
| CONCRETE LIGHT POLE | CMP | CORRUGATED METAL PIPE | CL | ELECTRICAL BOX |
| DUCTILE IRON PIPE | DIP | DRAINAGE EASEMENT | FM | FORCE MAIN |
| DRAINAGE EASEMENT | D.E. | DRAINAGE EASEMENT | OHW | OVERHEAD WIRE |
| FOUND | FND | FOUND | SS | SANITARY SEWER PIPE |
| HIGH DENSITY PLASTIC PIPE | HDP | HIGH DENSITY PLASTIC PIPE | STW | STORM DRAINAGE PIPE |
| INVERT ELEVATION | INV | INVERT ELEVATION | TOE | TOE OF SLOPE |
| IRON ROD | IR | IRON ROD | TOB | TOP OF BANK |
| IRON ROD W/CAP | IRW | IRON ROD W/CAP | TR | TREE TO BE REMOVED |
| LICENSED BUSINESS | LB | LICENSED BUSINESS | TR | TREE TO REMAIN |
| OFFICIAL RECORDS BOOKS | ORB | OFFICIAL RECORDS BOOKS | RD | ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED |
| PLAT BOOK | PB | PLAT BOOK | | |
| PROFESSIONAL LAND SURVEYOR | PLS | PROFESSIONAL LAND SURVEYOR | | |
| PERMANENT REFERENCE MONUMENT | PRM | PERMANENT REFERENCE MONUMENT | | |
| RIM ELEVATION | RIM | RIM ELEVATION | | |
| REGISTERED LAND SURVEYOR | RLS | REGISTERED LAND SURVEYOR | | |
| RAIN WATER LEADER | RWL | RAIN WATER LEADER | | |
| RIGHT-OF-WAY | R/W | RIGHT-OF-WAY | | |
| UTILITY EASEMENT | U.E. | UTILITY EASEMENT | | |
| SPOT ELEVATION | 7.00 | SPOT ELEVATION | | |
| SPOT ELEVATION | 6.9 | SPOT ELEVATION | | |

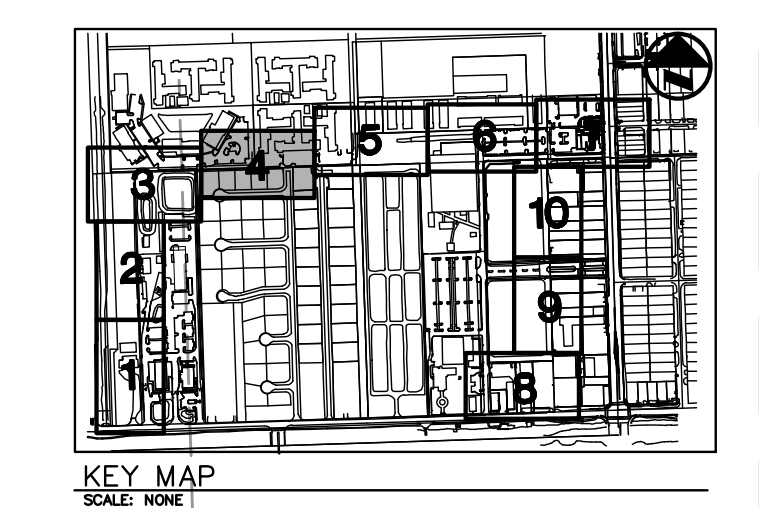
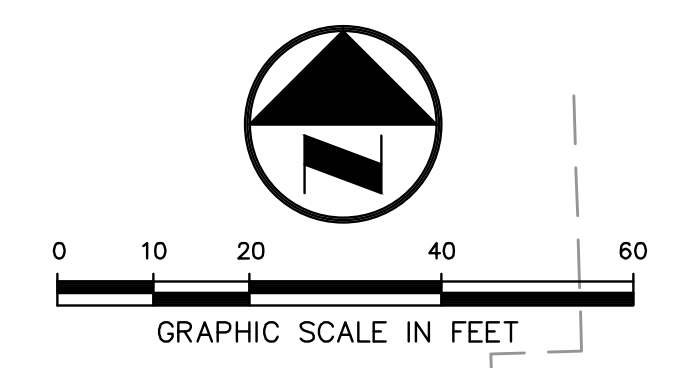
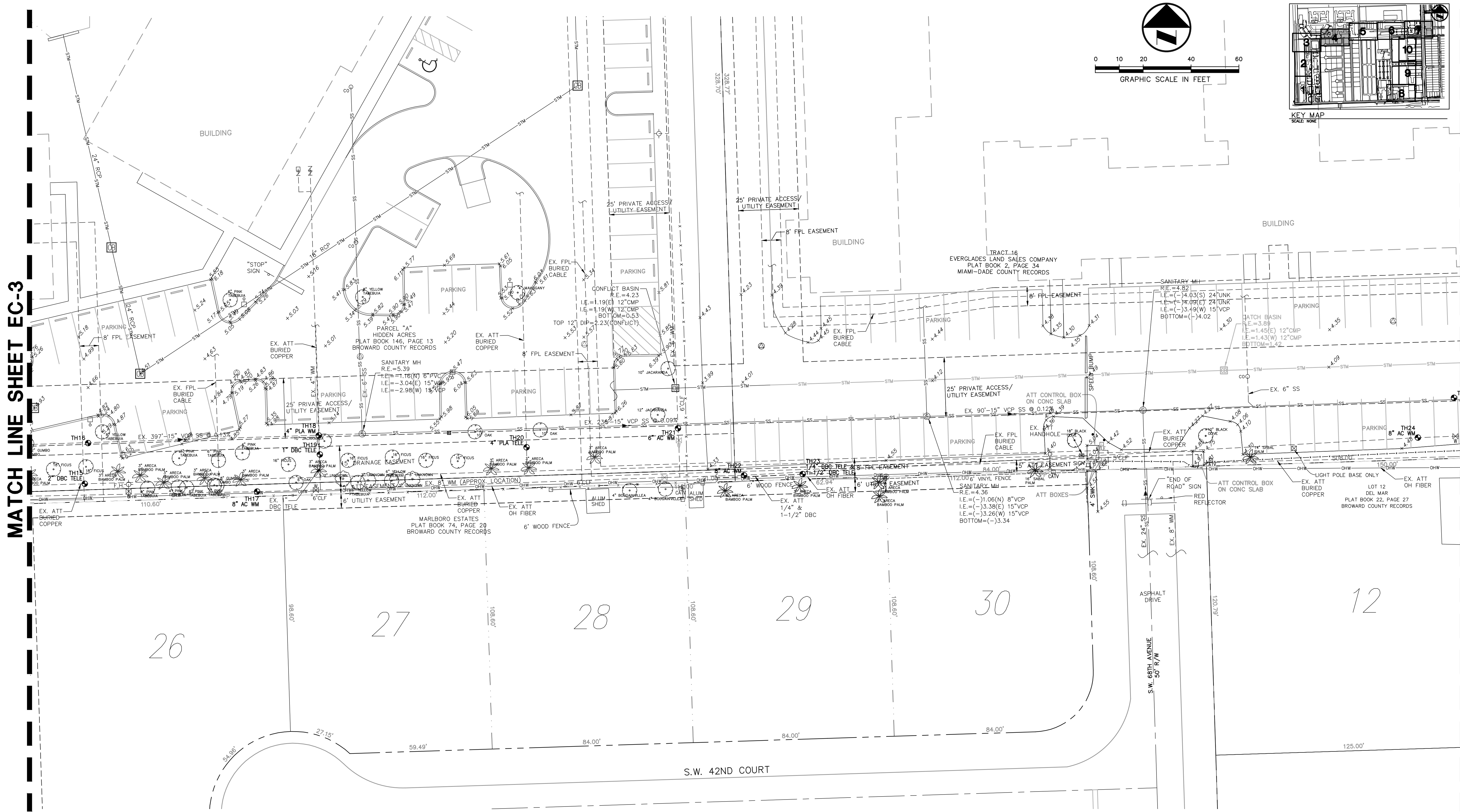
| | | | | | |
|--|----------------------|-----------------------|----------------------|------------------------|---------------------|
| DATE: 8/10 | SCALE: 1"=20' | DESIGN BY: MRN | DRAWN BY: MRN | CHECKED BY: PJC | APPROVED BY: |
| DESCRIPTION: | | | | | |
| <p>WESTSIDE IMPROVEMENT AREA TOWN OF DAVIE, BROWARD COUNTY, FL DAVE COMMUNITY REDEVELOPMENT AGENCY EXISTING CONDITIONS PLAN</p> | | | | | |
| <p>Prepared for: Gary A. Tenn Florida P.E. No. 42099</p> | | | | | |
| <p>PROJECT NO. 09-0056-001-01</p> | | | | | |
| <p>EC-3</p> | | | | | |
| <p>SHEET 3 OF 10</p> | | | | | |

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MATCH LINE SHEET EC-3

MATCH LINE SHEET EC-5



| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|--------|----------|-------------------------|-------------|------------------|--------------|
| 15 | TELE | 2" | DBC | 5.55 | 4.35 | 1.20 | TOP OF CABLE |
| 17 | WATER | 8" | AC | 4.74 | 3.62 | 1.12 | TOP OF PIPE |
| 18 | WATER | 4" | PLA | 5.34 | 4.55 | 0.79 | TOP OF PIPE |
| 19 | TELE | 1" | DBC | 4.66 | 2.90 | 1.76 | TOP OF CABLE |
| 20 | TELE | 4" | PLA | 4.85 | 4.06 | 0.79 | TOP OF PIPE |
| 21 | WATER | 6" | AC | 4.60 | 2.59 | 2.01 | TOP OF PIPE |
| 22 | WATER | 8" | AC | 4.80 | 3.15 | 1.65 | TOP OF PIPE |
| 23 | TELE | 1/4" | DBC | 4.80 | 1.40 | 3.40 | TOP OF CABLE |
| 23 | TELE | 1-1/2" | DBC | 4.80 | 3.25 | 1.55 | TOP OF CABLE |
| 24 | WATER | 8" | AC | 4.54 | 3.35 | 1.19 | TOP OF PIPE |

NOTE: TEST HOLE NO. 16 WAS DUG FOR A 2" WM BUT NO UTILITIES WERE FOUND.

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

- EXISTING LEGEND:**
- ANCHOR
 - BACK FLOW PREVENTER
 - BOLLARD
 - CATCH BASIN
 - CONCRETE LIGHT POLE
 - ELECTRICAL PULL BOX
 - FIRE HYDRANT
 - FIBER OPTIC
 - FIBER OPTIC PEDESTAL
 - METAL LIGHT POLE
 - ROOF DRAIN
 - SANITARY MANHOLE
 - SIGN
 - SANITARY SEWER CLEAN OUT
 - STORM MANHOLE
 - TELEPHONE PEDESTAL
 - TELEPHONE PULL BOX
 - TRANSFORMER PAD
 - WATER METER
 - WATER VALVE
 - WOOD LIGHT POLE
 - WOOD TELEPHONE POLE
 - WOOD POWER POLE
 - TEST HOLE NUMBER AND LOCATION
 - BCR BROWARD COUNTY RECORDS
 - BLDG BUILDING
 - BM BENCH MARK
 - CBWCD CENTRAL BROWARD WATER CONTROL DISTRICT
 - CMP CORRUGATED METAL PIPE
 - DIP DUCTILE IRON PIPE
 - D.E. DRAINAGE EASEMENT
 - FND FOUND
 - HDP HIGH DENSITY PLASTIC PIPE
 - INV INVERT ELEVATION
 - IR IRON ROD
 - IRC IRON ROD W/CAP
 - LB LICENSED BUSINESS
 - ORB OFFICIAL RECORDS BOOKS
 - PB PLAT BOOK
 - PG PAGE
 - PLS PROFESSIONAL LAND SURVEYOR
 - PRM PERMANENT REFERENCE MONUMENT
 - RIM RIM ELEVATION
 - RLS REGISTERED LAND SURVEYOR
 - RWL RAIN WATER LEADER
 - R/W RIGHT-OF-WAY
 - U.E. UTILITY EASEMENT
 - CABLE TELEVISION BOX
 - COMMUNICATIONS BOX
 - CHAIN LINK FENCE
 - WOOD CORRAL FENCE
 - ELECTRICAL BOX
 - FORCE MAIN
 - OVERHEAD WIRE
 - SANITARY SEWER PIPE
 - STORM DRAINAGE PIPE
 - TOE OF SLOPE
 - TOP OF BANK
 - TREE TO BE REMOVED
 - TREE TO REMAIN
 - ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED
 - SPOT ELEVATION
 - SPOT ELEVATION
 - SPOT ELEVATION
 - SPOT ELEVATION

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |
| BY: | DATE: |
| DESCRIPTION: | |

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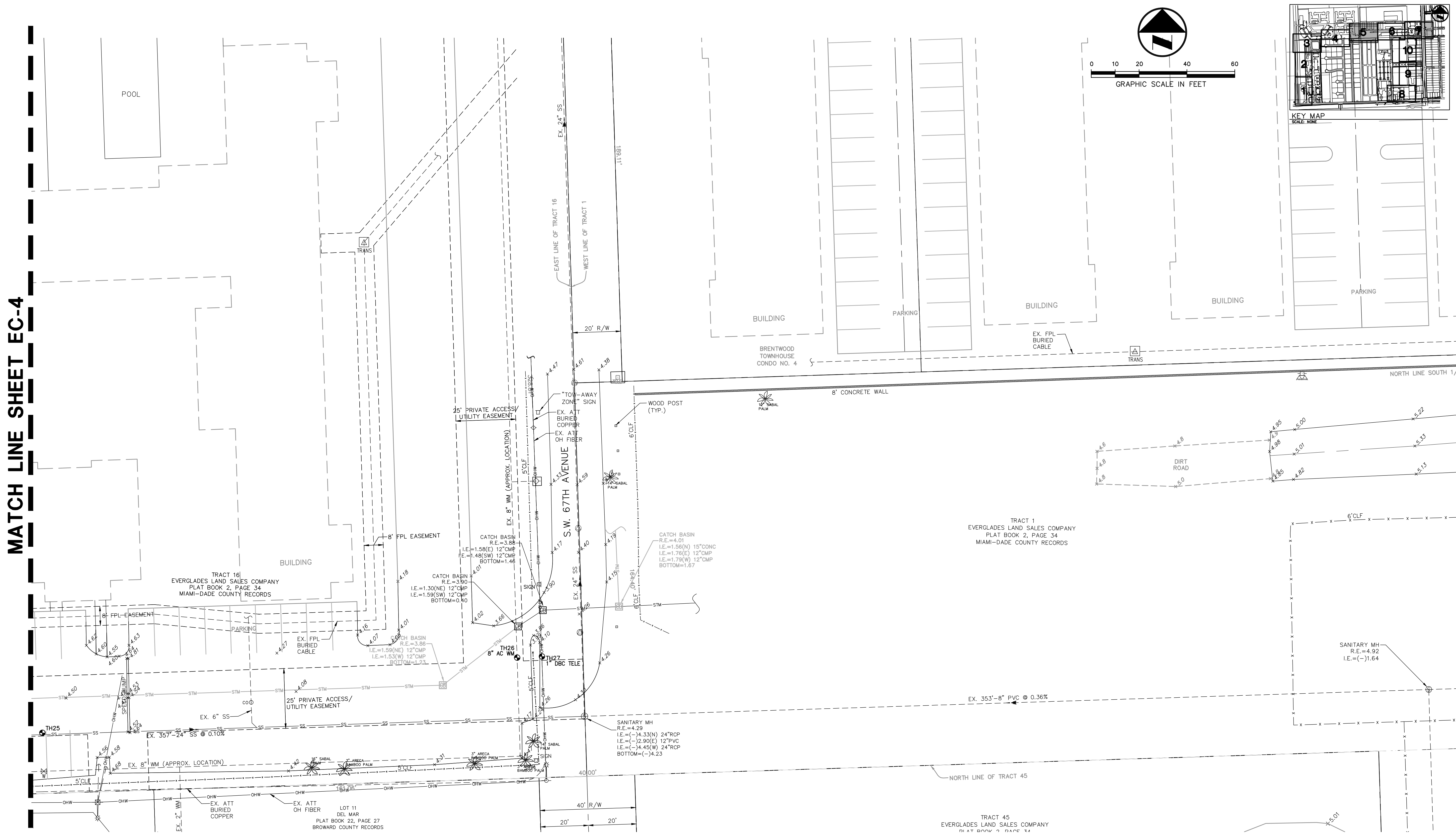
WESTSIDE IMPROVEMENT AREA
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EXISTING CONDITIONS PLAN

Prepared for:
Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-4
SHEET 4 OF 10

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MATCH LINE SHEET EC-4

MATCH LINE SHEET EC-6



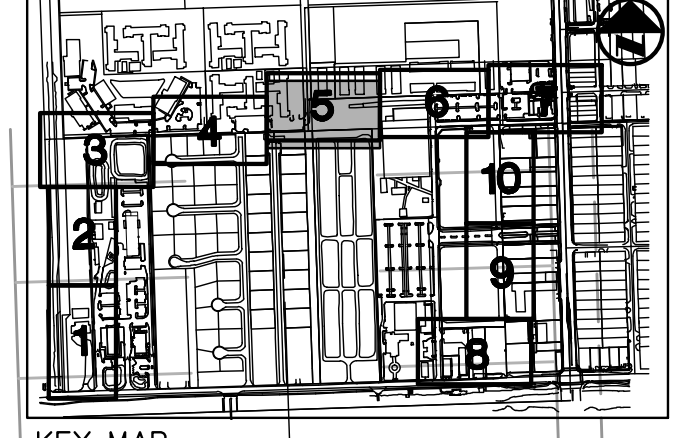
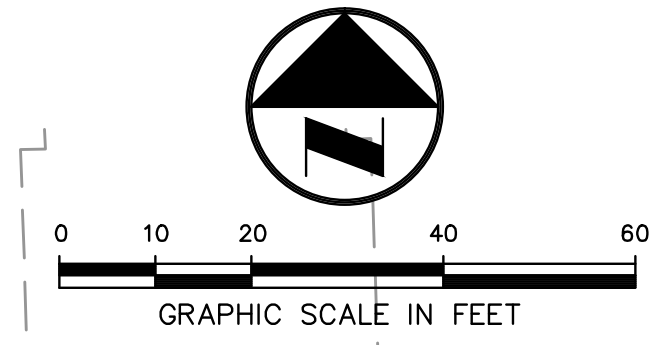
| TEST HOLE NO. | UTILITY | MARKER | ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|--------|------------------|-------------|------------------|--------------|
| 26 | WATER | 8" | 4.13 | 2.62 | 1.51 | TOP OF PIPE |
| 27 | TELE | 1" | 4.25 | 2.60 | 1.65 | TOP OF CABLE |

NOTE: TEST HOLE NO. 25 WAS DUG FOR A 2-1/2" WM BUT NO UTILITIES WERE FOUND.

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

EXISTING LEGEND:

| | | |
|--------------------------|--|--|
| ANCHOR | BROWARD COUNTY RECORDS | CABLE TELEVISION BOX |
| BACK FLOW PREVENTER | BUILDING | COMMUNICATIONS BOX |
| BOLLARD | BENCH MARK | CHAIN LINK FENCE |
| CATCH BASIN | CENTRAL BROWARD WATER CONTROL DISTRICT | WOOD CORRAL FENCE |
| CONCRETE LIGHT POLE | CORRUGATED METAL PIPE | ELECTRICAL BOX |
| ELECTRICAL PULL BOX | DUCTILE IRON PIPE | FORCE MAIN |
| FIRE HYDRANT | DRAINAGE EASEMENT | OVERHEAD WIRE |
| FIBER OPTIC PEDESTAL | FOUND | SANITARY SEWER PIPE |
| METAL LIGHT POLE | HIGH DENSITY PLASTIC PIPE | STORM DRAINAGE PIPE |
| ROOF DRAIN | INVERT ELEVATION | TOE OF SLOPE |
| SANITARY MANHOLE | IRON ROD | TOE OF BANK |
| SIGN | IRON ROD W/CAP | TREE TO BE REMOVED |
| SANITARY SEWER CLEAN OUT | LICENSED BUSINESS | TREE TO REMAIN |
| STORM MANHOLE | OFFICIAL RECORDS BOOKS | ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED |
| TELEPHONE PEDESTAL | PLAT BOOK | |
| TELEPHONE PULL BOX | PROFESSIONAL LAND SURVEYOR | |
| TRANSFORMER PAD | PERMANENT REFERENCE MONUMENT | |
| | REGISTERED LAND SURVEYOR | |
| | RIM ELEVATION | |
| | RAIN WATER LEADER | |
| | RIGHT-OF-WAY | |
| | UTILITY EASEMENT | |
| | SPOT ELEVATION | |
| | SPOT ELEVATION | |
| | SPOT ELEVATION | |



| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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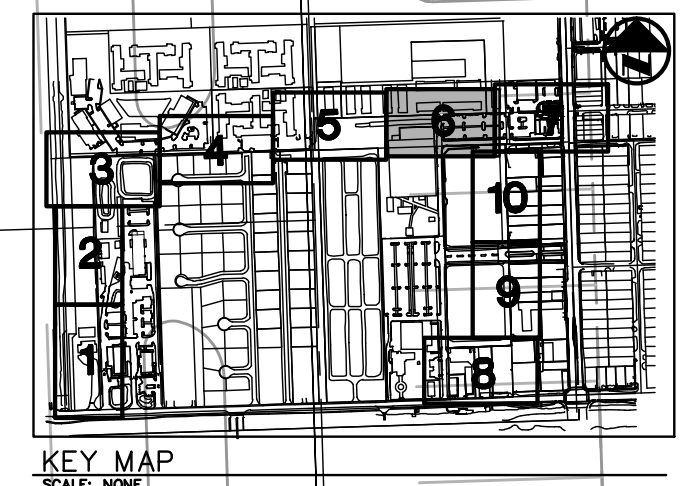
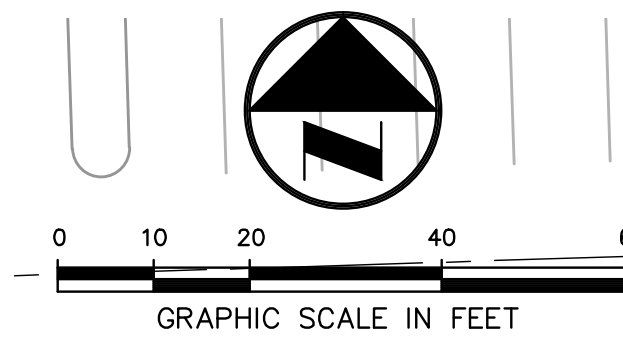
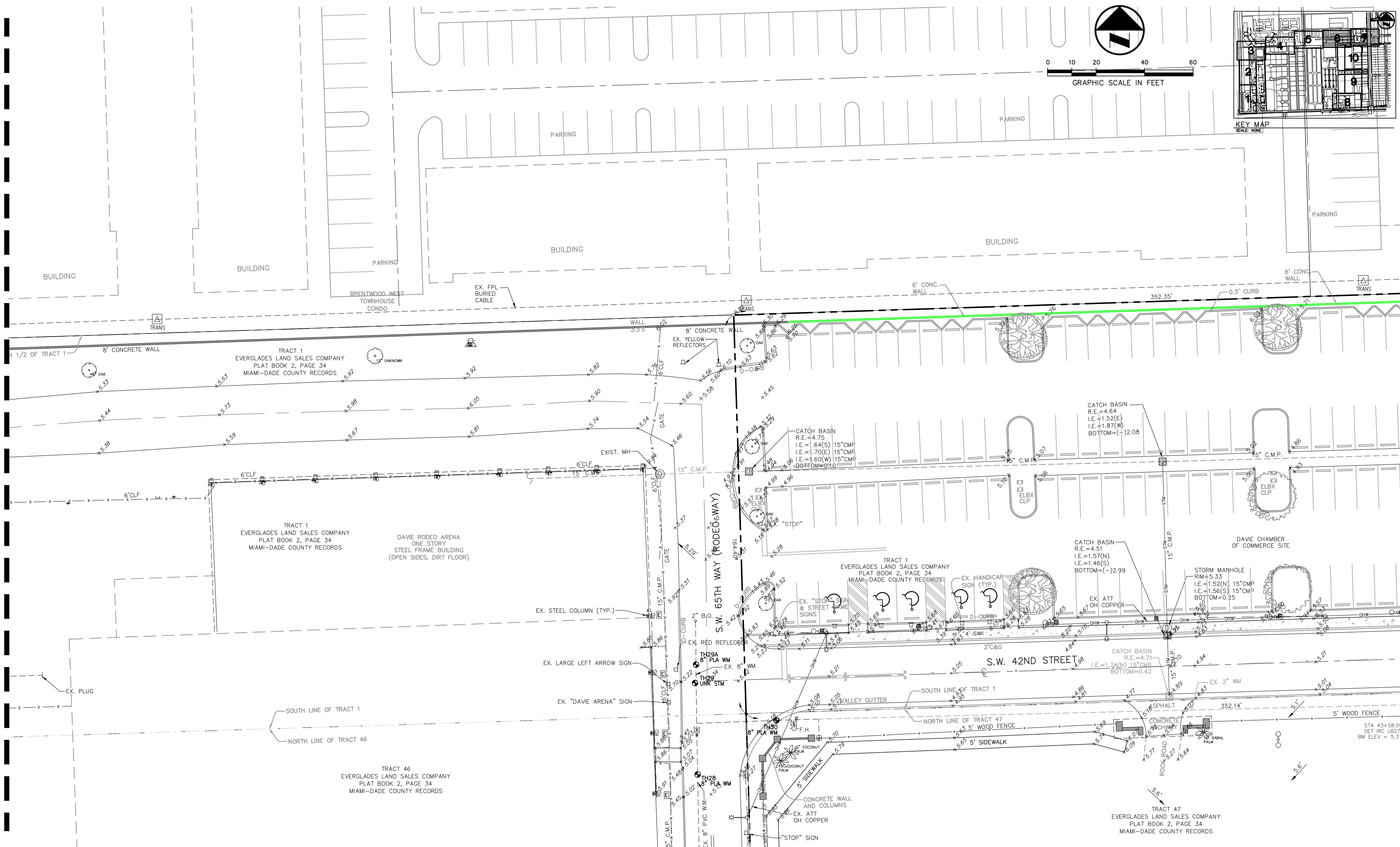
PROJECT NO.
09-0056-001-01

EC-5

SHEET 5 OF 10

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MATCH LINE SHEET EC-5



| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|------|----------|-------------------------|-------------|------------------|-------------|
| 28 | WATER | 8" | PLA | 5.11 | 2.93 | 2.18 | TOP OF PIPE |
| 29 | STM | UNK | UNK | 5.29 | 1.67 | 3.62 | TOP OF PIPE |
| 29A | WATER | 8" | PLA | 5.34 | 3.15 | 2.19 | TOP OF PIPE |
| 30 | WATER | 8" | PLA | 5.08 | 2.37 | 2.71 | TOP OF PIPE |

NOTE:
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 N.A.V.D. = N.G.V.D. - 1.59'

- EXISTING LEGEND:**
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 - BLDG BUILDING
 - BM BENCH MARK
 - CBWCD CENTRAL BROWARD WATER CONTROL DISTRICT
 - CMP CORRUGATED METAL PIPE
 - DIP DUCTILE IRON PIPE
 - D.E. DRAINAGE EASEMENT
 - FND FOUND
 - HDP HIGH DENSITY PLASTIC PIPE
 - INV INVERT ELEVATION
 - IR IRON ROD
 - IRC IRON ROD W/CAP
 - LB LICENSED BUSINESS
 - ORB OFFICIAL RECORDS BOOKS
 - PB PLAT BOOK
 - PG PAGE
 - PLS PROFESSIONAL LAND SURVEYOR
 - PRM PERMANENT REFERENCE MONUMENT
 - IR RIM ELEVATION
 - RLS REGISTERED LAND SURVEYOR
 - RWL RAIN WATER LEADER
 - R/W RIGHT-OF-WAY
 - U.E. UTILITY EASEMENT
 - SPOT ELEVATION
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 - OVERHEAD WIRE
 - SANITARY SEWER PIPE
 - STW STORM DRAINAGE PIPE
 - TOE OF SLOPE
 - TOP OF BANK
 - TREE TO BE REMOVED
 - TREE TO REMAIN
 - ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

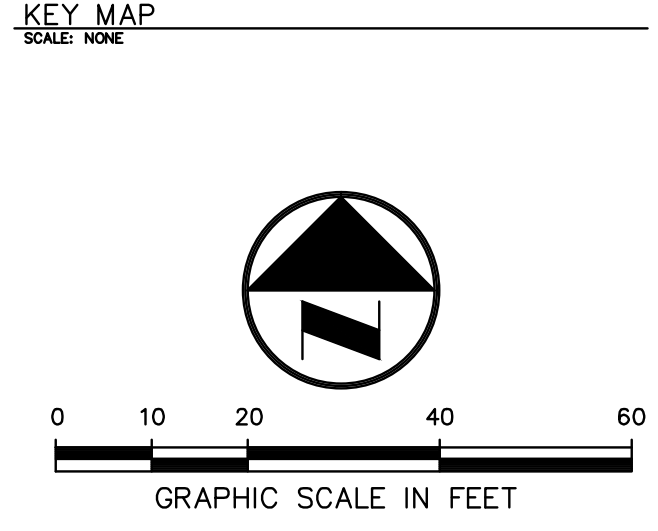
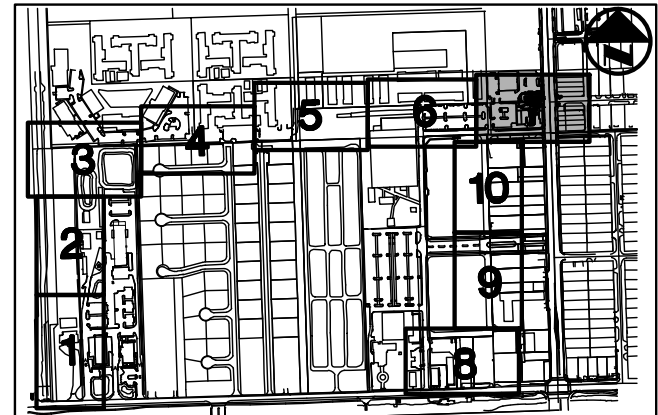
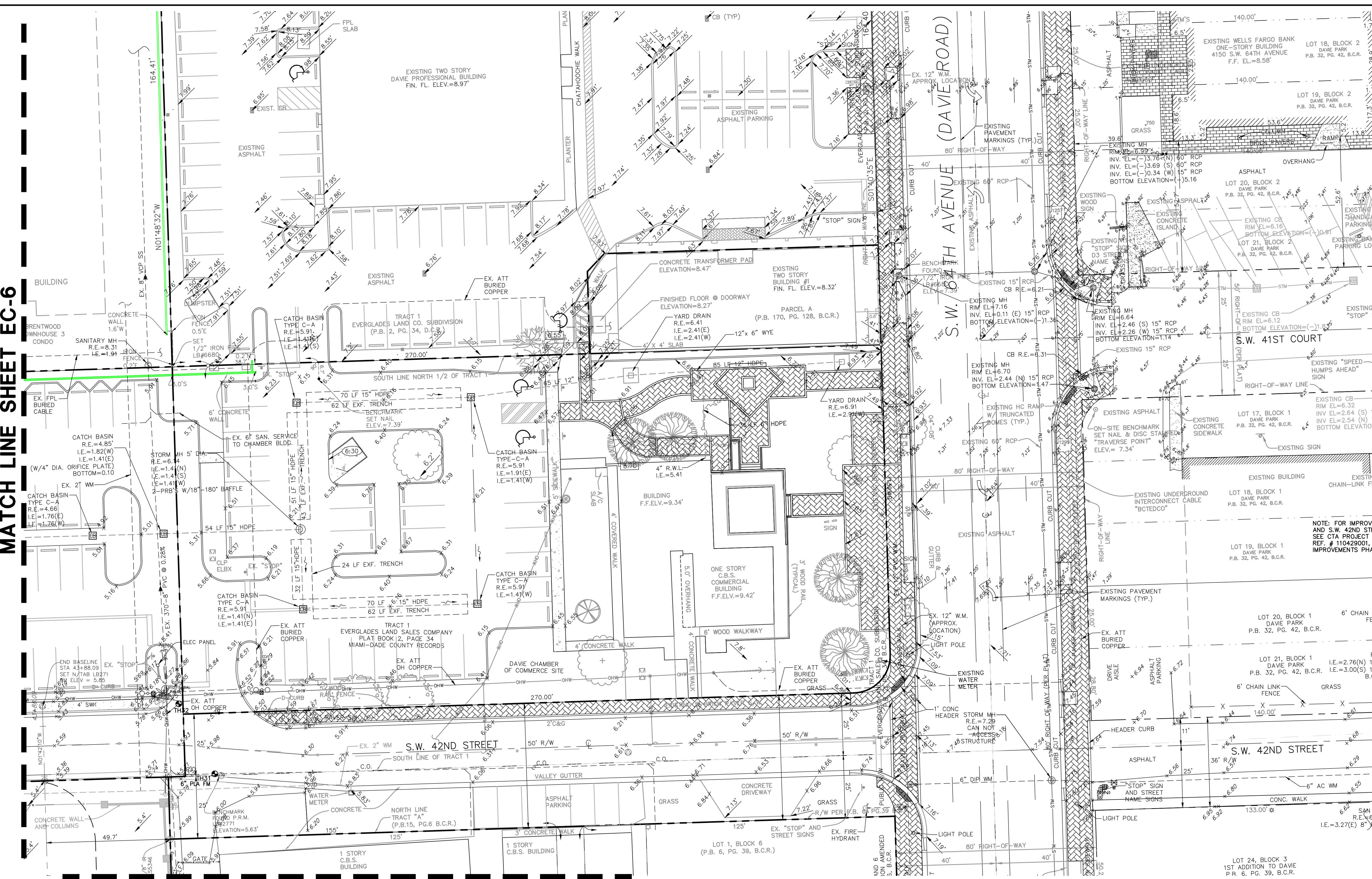
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 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000914
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
 PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-6
 SHEET 6 OF 10

MATCH LINE SHEET EC-6

MATCH LINE SHEET EC-10



BROWARD COUNTY NOTES:

A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN SHALL BE SUBMITTED TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (B.C.T.E.D.) FOR WORK IN COUNTY RIGHT-OF-WAY (DAVIE ROAD). SEE SHEET GN-1 FOR ADDITIONAL NOTES.

ALL PAVEMENT MARKINGS AND SIGNAGE DESTROYED OR RELOCATED AS A RESULT OF ALL PROPOSED IMPROVEMENTS SHALL BE RESTORED TO ORIGINAL CONDITIONS.

CORROSION: SOIL: DUCTILE IRON PIPE RESISTS CORROSION IN MOST SOILS. THE REMAINING SOILS, UNDERBLENDED, POLLUTED RIVERS BOTTOMS, ETC. ARE CONSIDERED TO BE POTENTIALLY CORROSIVE. IF PIPE IS TO BE LAID IN CORROSIVE SOILS, ENCASE THE PIPE IN 8 MIL THICK POLYETHYLENE IS REQUIRED BY B.C.M.S.

TRENCHES SHALL BE PROTECTED FROM CAVE-IN BY ADEQUATE PROTECTIVE SYSTEM PER O.S.H.A.

PERMIT SET

MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

MATERIAL

ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

NOTICE INSPECTION REQUIRED:

24 HOURS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION

NOTE:

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION | COMMENT |
|---------------|---------|------|----------|-------------------------|-------------|-----------|-------------|
| 31 | SS | 6" | PLA | 5.81 | 2.97 | 2.84 | TOP OF PIPE |

NOTE: TEST HOLE NO. 32 WAS DUG FOR A 2" WM BUT NO UTILITIES WERE FOUND.

EXISTING LEGEND:

| | | | |
|-------------------------------|----------------------------------|--|--------------------------|
| ANCHOR | BCR BLDG | BROWARD COUNTY RECORDS | CTV CABLE TELEVISION BOX |
| BACK FLOW PREVENTER | BM BENCH MARK | CENTRAL BROWARD WATER CONTROL DISTRICT | COMMUNICATIONS BOX |
| BOLLARD | CBWCD CORRUGATED METAL PIPE | | CHAIN LINK FENCE |
| CATCH BASIN | CMP DUCTILE IRON PIPE | | WOOD CORRAL FENCE |
| CONCRETE LIGHT POLE | DIP DRAINAGE EASEMENT | | ELECTRICAL BOX |
| ELECTRICAL PULL BOX | FND FOUND | | FORCE MAIN |
| FIRE HYDRANT | HDP HIGH DENSITY PLASTIC PIPE | | OVERHEAD WIRE |
| FIBER OPTIC PEDESTAL | INV INVERT ELEVATION | | SANITARY SEWER PIPE |
| METAL LIGHT POLE | IR IRON ROD | | STORM DRAINAGE PIPE |
| ROOF DRAIN | IRC IRON ROD W/CAP | | TOE OF SLOPE |
| SANITARY MANHOLE | LB LICENSED BUSINESS | | TOP OF BANK |
| SIGN | ORB OFFICIAL RECORDS BOOKS | | |
| SANITARY SEWER CLEAN OUT | PB PLAT BOOK | | |
| STORM MANHOLE | PG PAGE | | |
| TELEPHONE PEDESTAL | PLS PROFESSIONAL LAND SURVEYOR | | |
| TELEPHONE PULL BOX | PRM PERMANENT REFERENCE MONUMENT | | |
| TRANSFORMER PAD | RIM RIM ELEVATION | | |
| WATER METER | RLS REGISTERED LAND SURVEYOR | | |
| WATER VALVE | RWL RAIN WATER LEADER | | |
| WOOD LIGHT POLE | R/W RIGHT-OF-WAY | | |
| WOOD TELEPHONE POLE | U.E. UTILITY EASEMENT | | |
| WOOD POWER POLE | | | |
| TEST HOLE NUMBER AND LOCATION | | | |

NOTE:

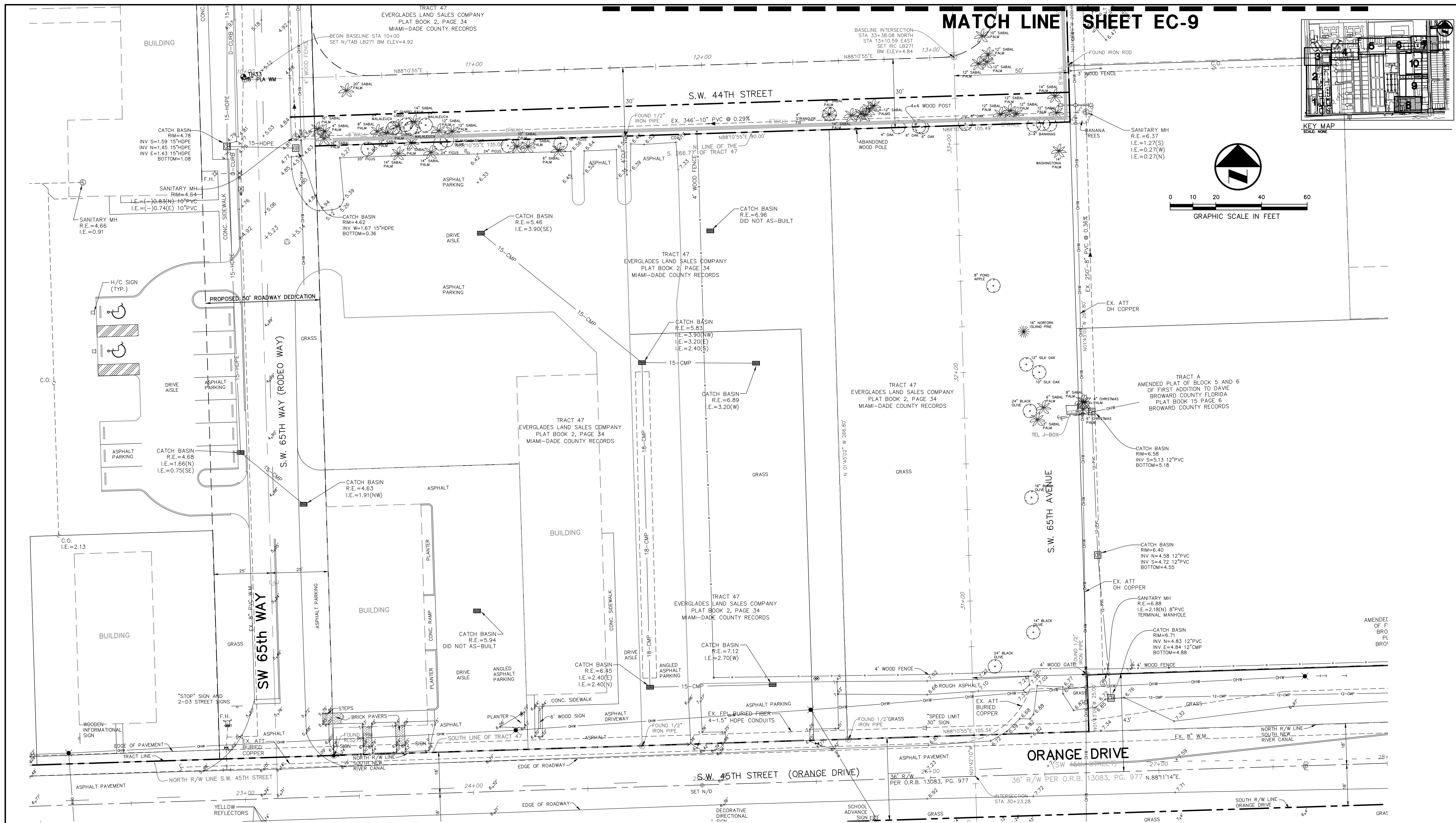
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)

N.A.V.D. = N.G.V.D. - 1.59'

| | | | | | | | | | | | |
|---|------|--------|--------|------------|-----|-----------|-----|-------------|--------|--------------|-----|
| DATE: | 1/17 | SCALE: | 1"=20' | DESIGN BY: | MRN | DRAWN BY: | MRN | CHECKED BY: | P.J.G. | APPROVED BY: | BY: |
| DESCRIPTION: | | | | | | | | | | | |
| <p>WESTSIDE IMPROVEMENT AREA</p> <p>TOWN OF DAVIE, BROWARD COUNTY, FL</p> <p>DAVIE COMMUNITY REDEVELOPMENT AGENCY</p> <p>EXISTING CONDITIONS PLAN</p> | | | | | | | | | | | |
| <p>Prepared for:</p> <p>Gary A. Tenn Florida P.E. No. 42099</p> <p>PROJECT NO. 09-0056-001-01</p> <p>EC-7</p> <p>SHEET 7 OF 10</p> | | | | | | | | | | | |

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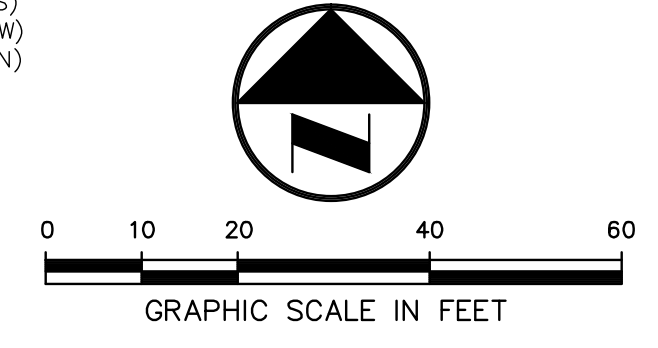
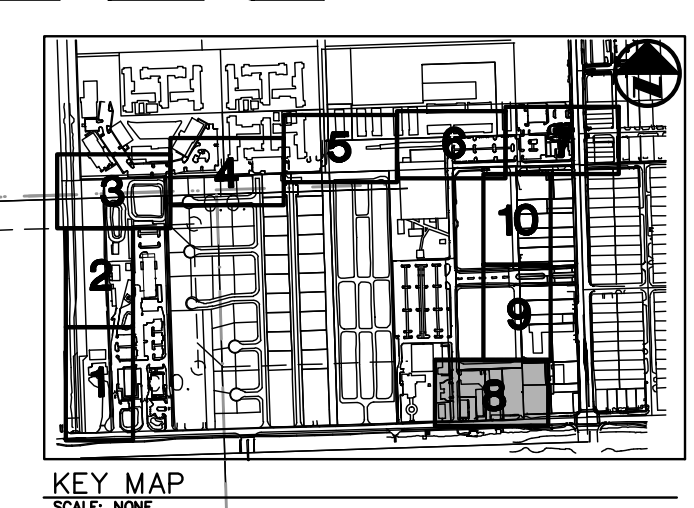
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| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|------|----------|-------------------------|-------------|------------------|-------------|
| 33 | WATER | 8" | PLA | 4.91 | 3.32 | 1.59 | TOP OF PIPE |

- EXISTING LEGEND:**
- | | | | | |
|-------------------------------|------------|--|------|-----------------------|
| ANCHOR | BACK BLDG | BROWARD COUNTY RECORDS | CATV | CABLE TELEVISION BOX |
| BFP (RWD) | BUILDING | COMMUNICATIONS BOX | CLF | CHAIN LINK FENCE |
| BOLLARD | BENCH MARK | CENTRAL BROWARD WATER CONTROL DISTRICT | CMF | CORRUGATED METAL PIPE |
| CATCH BASIN | DIP | DUCTILE IRON PIPE | D.E. | DRAINAGE EASEMENT |
| CONCRETE LIGHT POLE | D.E. | DRAINAGE EASEMENT | FND | FOUND |
| ELECTRICAL PULL BOX | HDP | HIGH DENSITY PLASTIC PIPE | IR | INVERT ELEVATION |
| FIRE HYDRANT | IR | IRON ROD W/CAP | IR | IRON ROD |
| FIBER OPTIC PEDESTAL | IR | IRON ROD W/CAP | IR | IRON ROD |
| METAL LIGHT POLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| ROOF DRAIN | IR | IRON ROD W/CAP | IR | IRON ROD |
| SANITARY MANHOLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| SANITARY SEWER CLEAN OUT | IR | IRON ROD W/CAP | IR | IRON ROD |
| STORM MANHOLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| TELEPHONE PEDESTAL | IR | IRON ROD W/CAP | IR | IRON ROD |
| TELEPHONE PULL BOX | IR | IRON ROD W/CAP | IR | IRON ROD |
| TRANSFORMER PAD | IR | IRON ROD W/CAP | IR | IRON ROD |
| WATER METER | IR | IRON ROD W/CAP | IR | IRON ROD |
| WATER VALVE | IR | IRON ROD W/CAP | IR | IRON ROD |
| WOOD LIGHT POLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| WOOD TELEPHONE POLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| WOOD POWER POLE | IR | IRON ROD W/CAP | IR | IRON ROD |
| TEST HOLE NUMBER AND LOCATION | IR | IRON ROD W/CAP | IR | IRON ROD |

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'



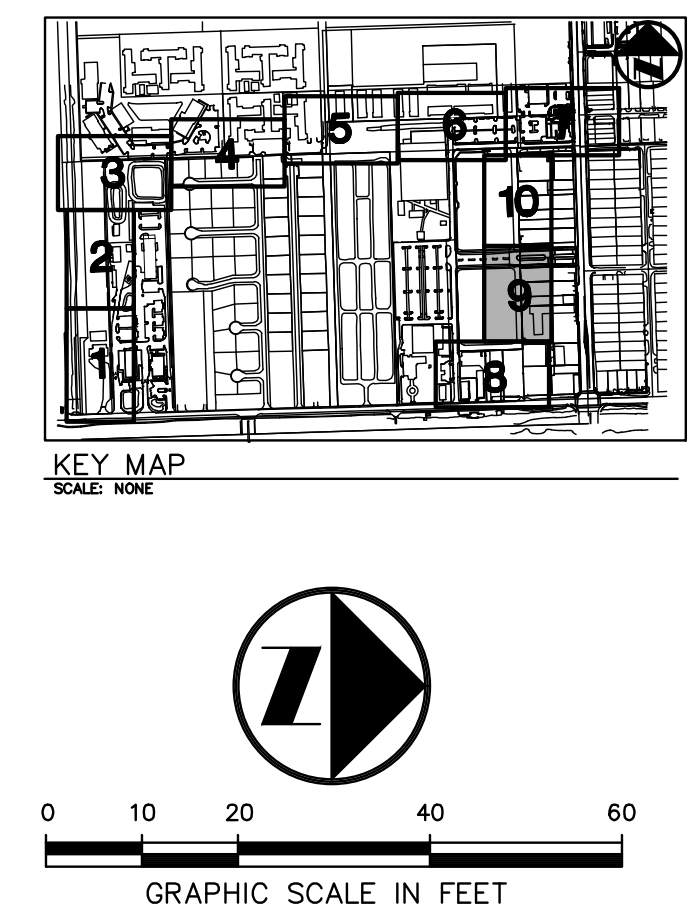
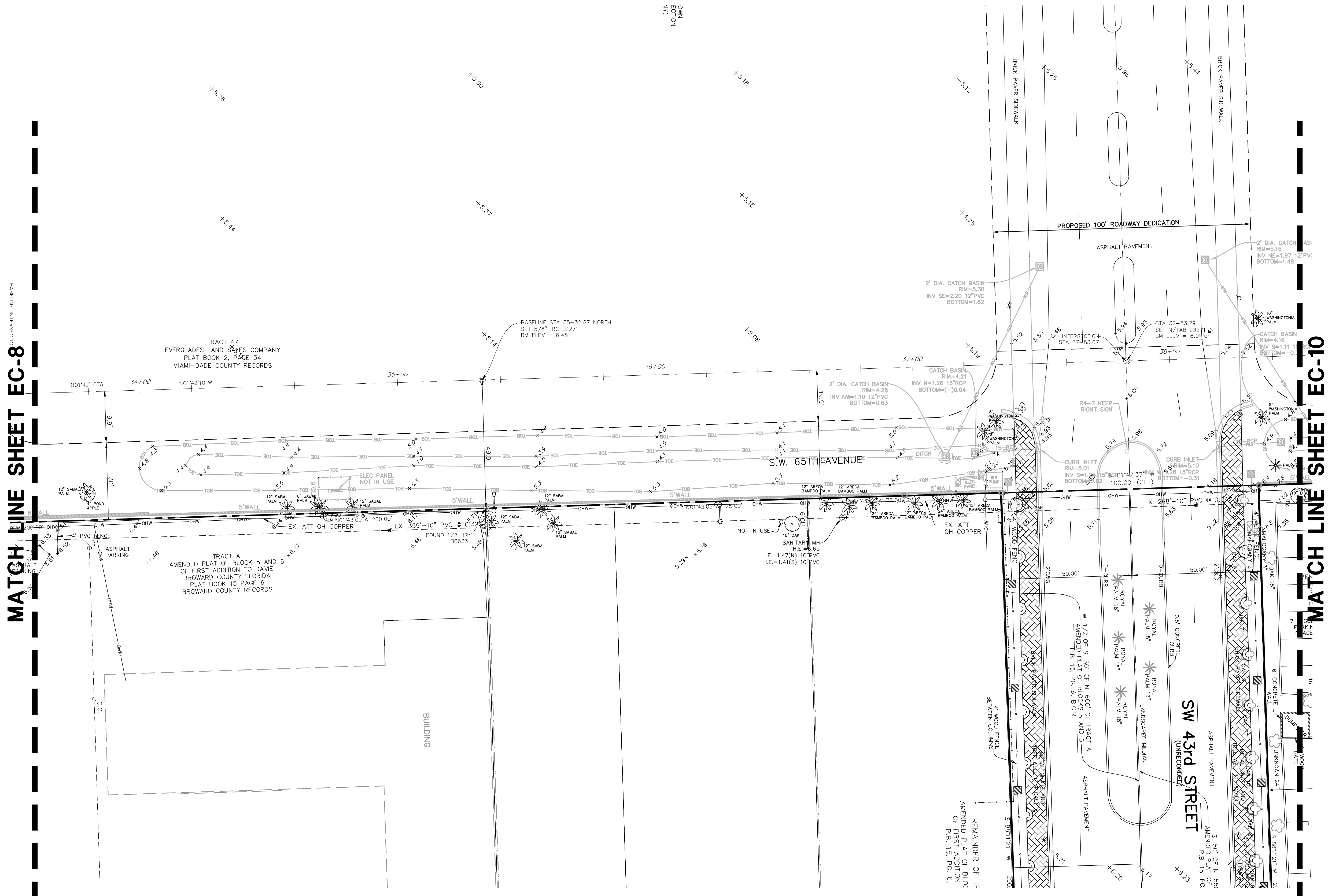
| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
 PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-8
SHEET 8 OF 10

MATCH LINE SHEET EC-8



| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Prepared for:
Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
EC-9
 SHEET **9** OF **10**

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

EXISTING LEGEND:

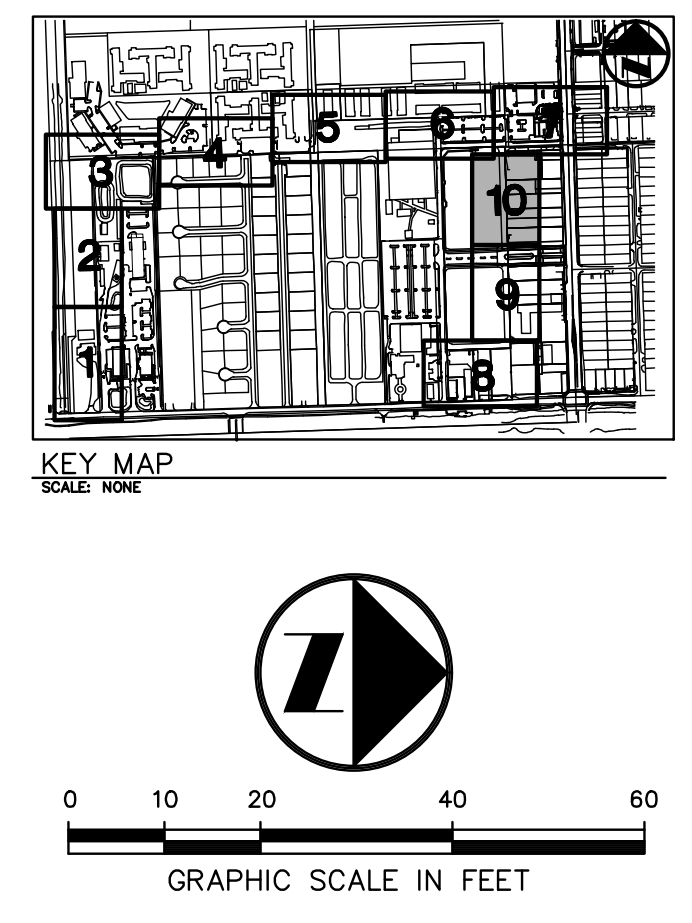
| | | | |
|----------------------------------|-----------------------------------|--|--|
| ANCHOR | BLDG BUILDING | BROWARD COUNTY RECORDS | CTV CABLE TELEVISION BOX |
| BACK FLOW PREVENTER | BM BENCH MARK | CENTRAL BROWARD WATER CONTROL DISTRICT | COMMUNICATIONS BOX |
| BOLLARD | CMP CORRUGATED METAL PIPE | CHAIN LINK FENCE | WOOD CORRAL FENCE |
| CATCH BASIN | DIP DUCTILE IRON PIPE | ELECTRICAL BOX | FM FORCE MAIN |
| CONCRETE LIGHT POLE | D.E. DRAINAGE EASEMENT | OHW OVERHEAD WIRE | SS SANITARY SEWER PIPE |
| FIRE HYDRANT | FND FOUND | S.S.C.O. SANITARY SEWER CLEAN OUT | SDM STORM DRAINAGE PIPE |
| HDPP HIGH DENSITY PLASTIC PIPE | INV INVERT ELEVATION | PB PLAT BOOK | TREE TO BE REMOVED |
| INV INVERT ELEVATION | IR IRON ROD | PLS PROFESSIONAL LAND SURVEYOR | TREE TO REMAIN |
| IRW IRON ROD W/CAP | LB LICENSED BUSINESS | PRM PERMANENT REFERENCE MONUMENT | ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED |
| LB LICENSED BUSINESS | ORB OFFICIAL RECORDS BOOKS | RLS REGISTERED LAND SURVEYOR | |
| PB PLAT BOOK | RWL RAIN WATER LEADER | R.O.W. RIGHT-OF-WAY | |
| PLS PROFESSIONAL LAND SURVEYOR | R.O.W. RIGHT-OF-WAY | U.E. UTILITY EASEMENT | |
| PRM PERMANENT REFERENCE MONUMENT | SPOT ELEVATION | | |
| RLS REGISTERED LAND SURVEYOR | SPOT ELEVATION | | |
| RWL RAIN WATER LEADER | SPOT ELEVATION | | |
| R.O.W. RIGHT-OF-WAY | SPOT ELEVATION | | |
| U.E. UTILITY EASEMENT | SPOT ELEVATION | | |
| WM WATER METER | WV WATER VALVE | | |
| WLP WOOD LIGHT POLE | WTP WOOD TELEPHONE POLE | | |
| WPP WOOD POWER POLE | TH1 TEST HOLE NUMBER AND LOCATION | | |

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| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|------|----------|-------------------------|-------------|------------------|-------------|
| 34 | TELE | 3" | PLA | 5.23 | 2.39 | 2.84 | TOP OF PIPE |

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

- EXISTING LEGEND:**
- | | | |
|-------------------------------|--|-------------------------|
| ANCHOR | BCR BROWARD COUNTY RECORDS | Cable TV Box |
| BACK FLOW PREVENTER | BUILDING | COMMUNICATIONS BOX |
| BOLLARD | BM BENCH MARK | CHAIN LINK FENCE |
| CATCH BASIN | CBWCD CENTRAL BROWARD WATER CONTROL DISTRICT | WOOD CORRAL FENCE |
| CONCRETE LIGHT POLE | CMP CORRUGATED METAL PIPE | ELECTRICAL BOX |
| ELECTRICAL PULL BOX | DIP DUCTILE IRON PIPE | FORCE MAIN |
| FIRE HYDRANT | D.E. DRAINAGE EASEMENT | OHW OVERHEAD WIRE |
| FIBER OPTIC PEDESTAL | FND FOUND | SS SANITARY SEWER PIPE |
| METAL LIGHT POLE | HDP HIGH DENSITY PLASTIC PIPE | STM STORM DRAINAGE PIPE |
| ROOF DRAIN | INV INVERT ELEVATION | TOE TOE OF SLOPE |
| SANITARY MANHOLE | IR IRON ROD | TOB TOP OF BANK |
| SIGN | IRC IRON ROD W/CAP | |
| SANITARY SEWER CLEAN OUT | LB LICENSED BUSINESS | |
| STORM MANHOLE | ORB OFFICIAL RECORDS BOOKS | |
| TELEPHONE PEDESTAL | PG PLAT BOOK | |
| TELEPHONE PULL BOX | PLS PROFESSIONAL LAND SURVEYOR | |
| TRANSFORMER PAD | PRM PERMANENT REFERENCE MONUMENT | |
| WATER METER | RLS REGISTERED LAND SURVEYOR | |
| WATER VALVE | RWL RAIN WATER LEADER | |
| WOOD LIGHT POLE | R/W RIGHT-OF-WAY | |
| WOOD TELEPHONE POLE | U.E. UTILITY EASEMENT | |
| WOOD POWER POLE | | |
| TEST HOLE NUMBER AND LOCATION | | |



| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

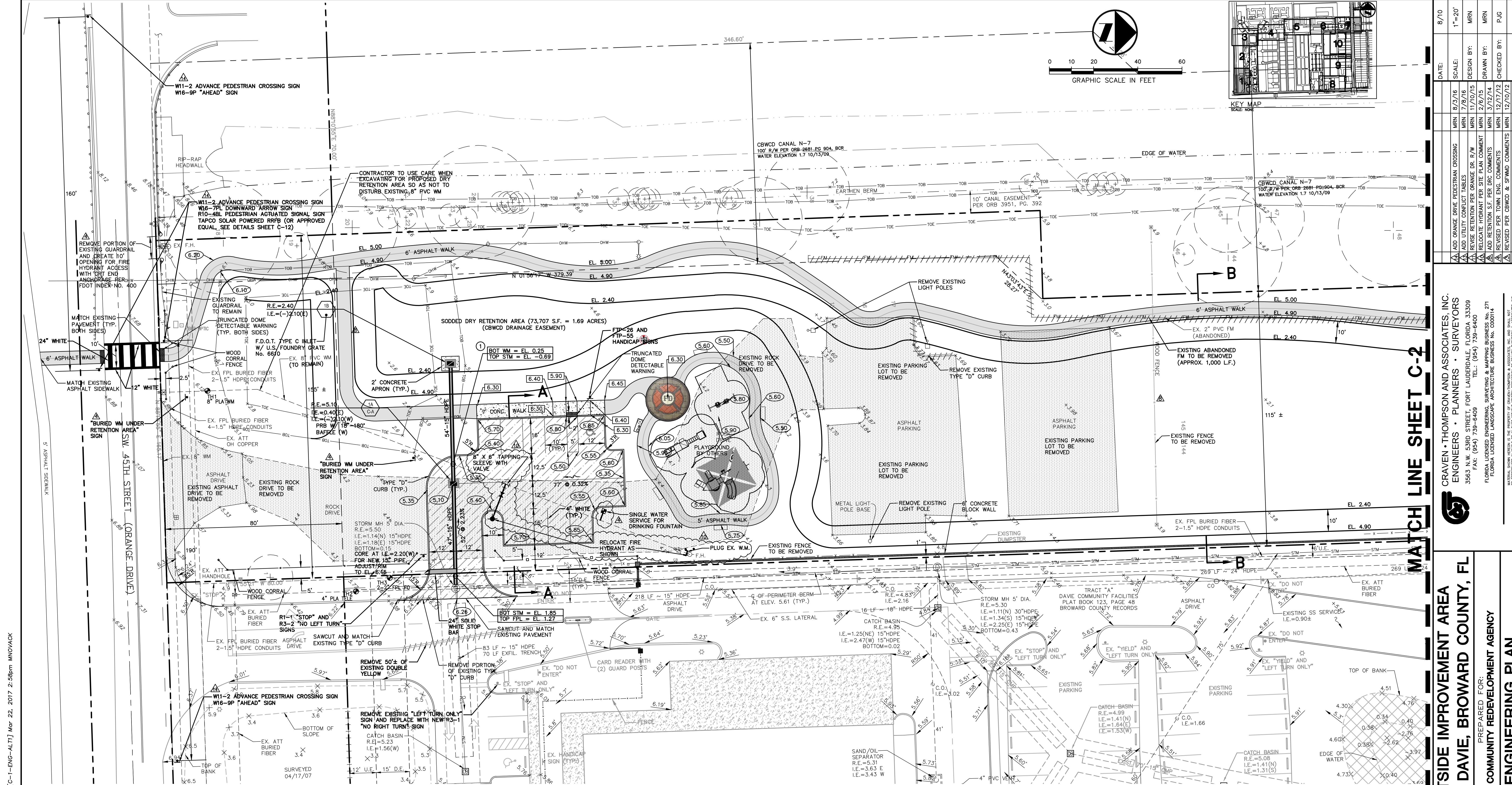
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FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000914

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
EXISTING CONDITIONS PLAN

Prepared for:
Gary A. Tenn
Florida P.E. No. 42099

PROJECT NO.
09-0056-001-01

EC-10
SHEET 10 OF 10



| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | MRN |

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
ENGINEERING PLAN

PREPARED FOR:
 Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-1
SHEET 4 OF 18

TEST HOLE TABLE

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|--------|----------|-------------------------|-------------|------------------|-------------|
| 1 | WATER | 8" | PLA | 6.12 | 3.41 | 2.71 | TOP OF PIPE |
| 2 | TELE | 4" | PLA | 5.77 | 2.60 | 3.17 | TOP OF PIPE |
| 3 | FPL FO | 2 @ 2" | PLA | 4.61 | 3.34 | 1.27 | TOP OF PIPE |

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE BOTTOM ELEVATION (NAVD) | LOWER PIPE TOP ELEVATION (NAVD) | SEPARATION |
|--------------|------------------------------------|---------------------------------|------------|
| 1 | WM EL. 0.59 | STM EL. (-)0.69 | 0.94' |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- RCF REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E.= INDICATES STORM DRAIN RIM ELEVATION
- I.E.= INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P. HIGH POINT OF ROADWAY CENTER LINE
- L.P. LOW POINT OF ROADWAY CENTER LINE
- APPROXIMATE LIMITS OF PAVEMENT, CONCRETE OR BRICK PAVEMENT RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC POLYVINYL CHLORIDE PIPE
- BOTTOM ELEVATION OF UPPER PIPE
- TOP ELEVATION OF LOWER PIPE
- INDICATES CONFLICT NUMBER

EXISTING LEGEND:

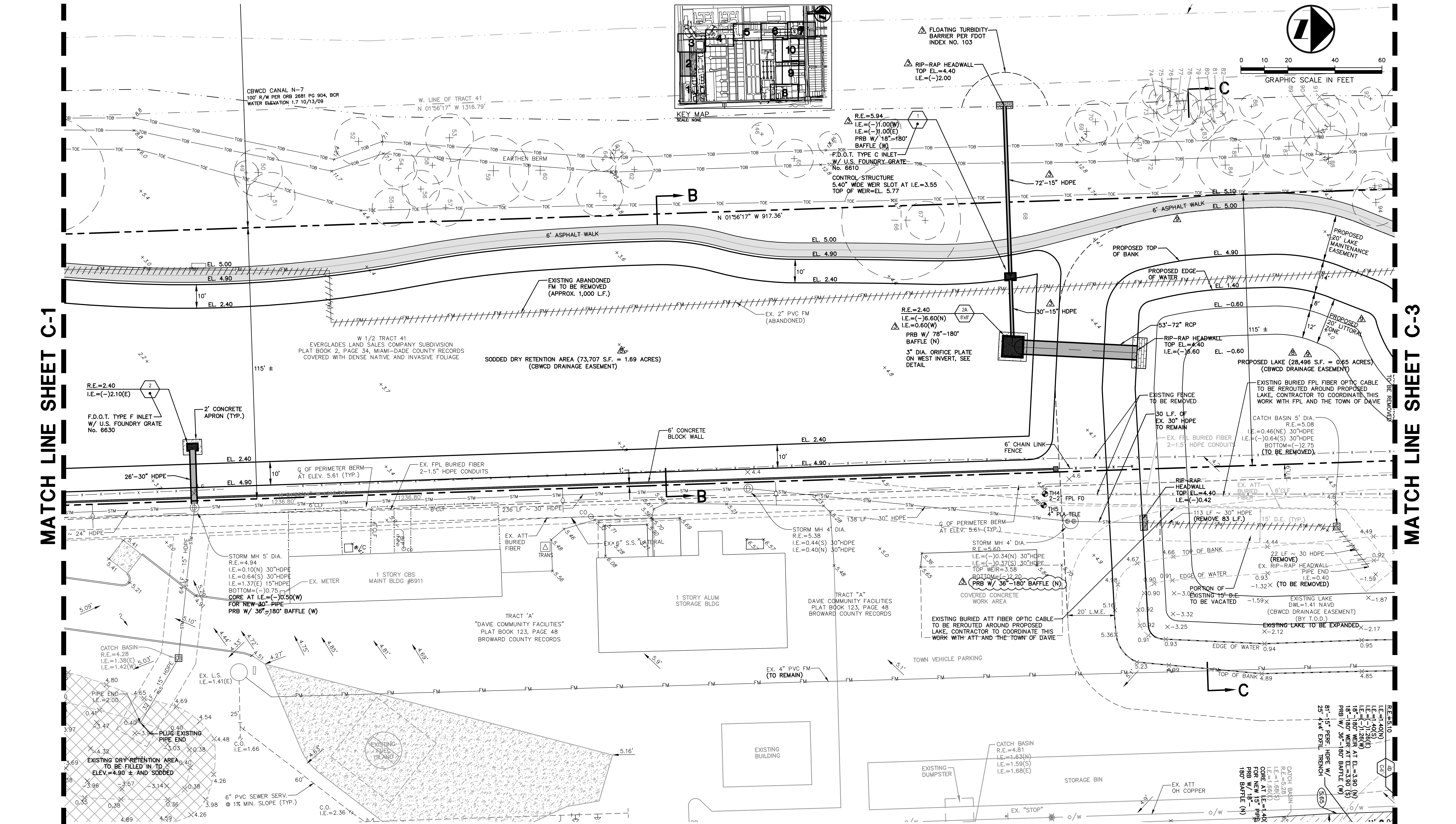
- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BROWARD COUNTY RECORDS
- BUILDING
- BENCH MARK
- CENTRAL BROWARD WATER CONTROL DISTRICT
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FOUND
- HDP HIGH DENSITY PLASTIC PIPE
- INVERT ELEVATION
- IRON ROD
- IRON ROD W/CAP
- LICENSED BUSINESS
- OFFICIAL RECORDS BOOKS
- PLAT BOOK
- PAGE
- PROFESSIONAL LAND SURVEYOR
- PERMANENT REFERENCE MONUMENT
- RIM ELEVATION
- REGISTERED LAND SURVEYOR
- RAIN WATER LEADER
- R/W
- R/W
- UTILITY EASEMENT
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TOE OF SLOPE
- TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

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MATCH LINE SHEET C-1

MATCH LINE SHEET C-3



| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|--------|----------|-------------------------|-------------|------------------|-------------|
| 4 | FPL FO | 2 @ 2" | PLA | 4.58 | 2.66 | 1.92 | TOP OF PIPE |
| 5 | TELE | 4" | PLA | 4.88 | 2.16 | 2.72 | TOP OF PIPE |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE: STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE: HIGH DENSITY POLYETHYLENE PIPE
- RCP: REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E.= INDICATES STORM DRAIN RIM ELEVATION
- I.E.= INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- 132' @ 0.28%: LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P.: HIGH POINT OF ROADWAY CENTER LINE
- L.P.: LOW POINT OF ROADWAY CENTER LINE
- APPROXIMATE LIMITS OF PAVEMENT OR CONCRETE RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC: POLYVINYL CHLORIDE PIPE
- BOT WM = EL. 2.50: BOTTOM ELEVATION OF UPPER PIPE
- TOP SAN = EL. 1.00: TOP ELEVATION OF LOWER PIPE

EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FIND
- FOUND
- HDP: HIGH DENSITY PLASTIC PIPE
- INV: INVERT ELEVATION
- IRON ROD
- IRON ROD W/CAP
- LICENSED BUSINESS
- ORB: OFFICIAL RECORDS BOOKS
- PLB: PLAT BOOK
- PG: PAGE
- PLS: PROFESSIONAL LAND SURVEYOR
- PRM: PERMANENT REFERENCE MONUMENT
- RM: RIM ELEVATION
- RLS: REGISTERED LAND SURVEYOR
- RWL: RAIN WATER LEADER
- R/W: RIGHT-OF-WAY
- U.E.: UTILITY EASEMENT
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STW: STORM DRAINAGE PIPE
- TOE OF SLOPE
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.).
N.A.V.D. = N.G.V.D. - 1.59'

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6400
FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERS, SURVEYORS & PLANNERS, BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000914

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
ENGINEERING PLAN

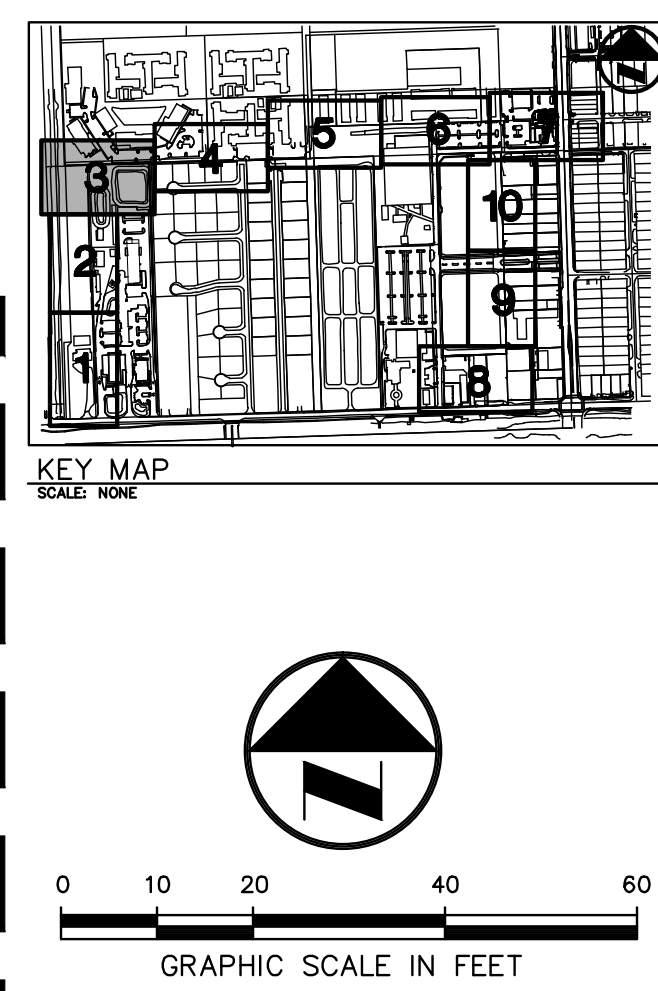
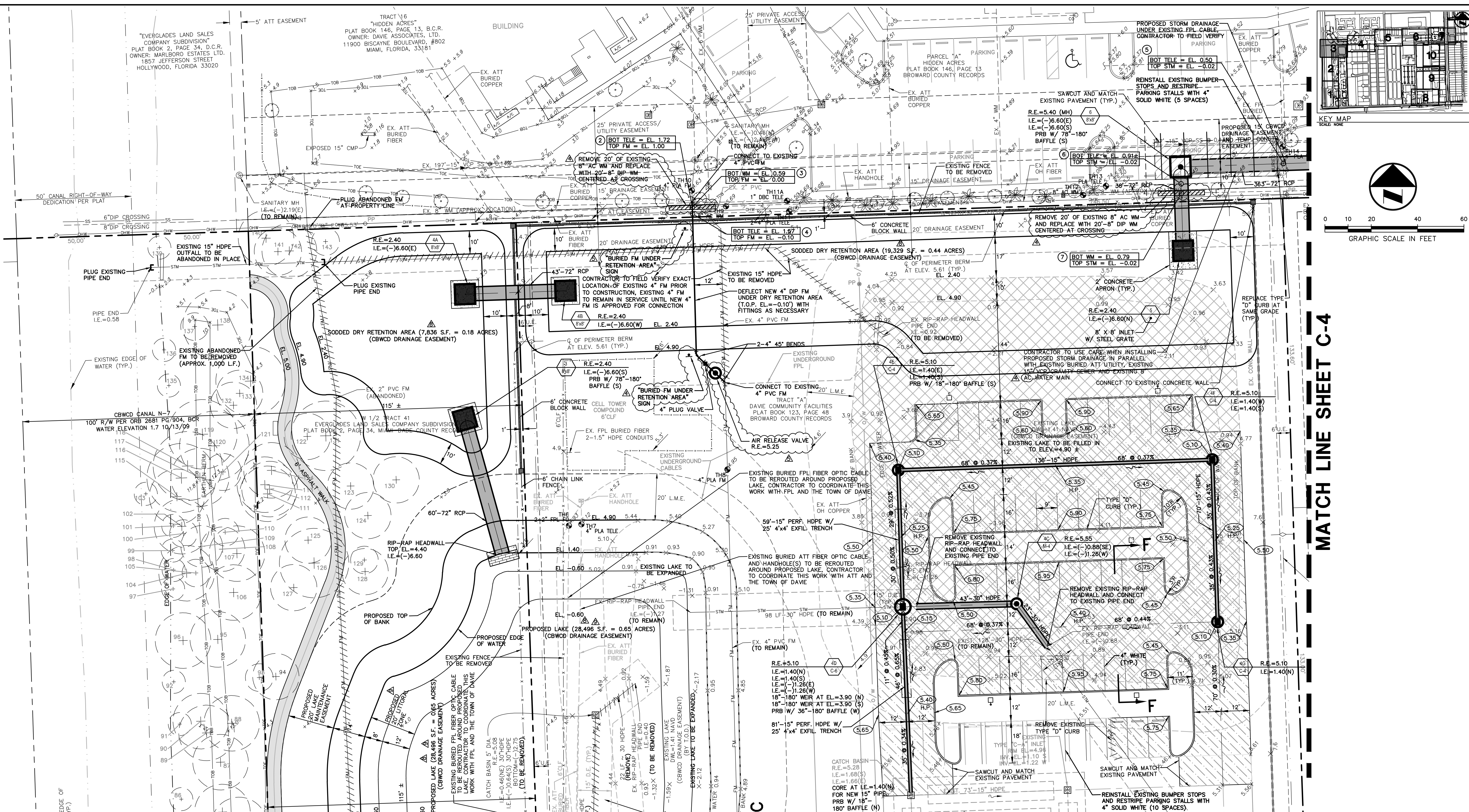
PREPARED FOR:
Gary A. Tenn
Florida P.E. No. 42099

PROJECT NO.
09-0056-001-01

C-2

SHEET **5** OF **18**

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MATCH LINE SHEET C-4

MATCH LINE SHEET C-2

TEST HOLE TABLE

| TEST HOLE | UTILITY | MARKER | ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|-----------|---------|---------|------------------|-------------|------------------|--------------|
| 6 | FPL FO | 2" Ø 2" | 4.93 | 2.78 | 2.15 | TOP OF PIPE |
| 7 | TELE | 4" | 5.12 | 2.88 | 2.24 | TOP OF PIPE |
| 8 | FM | 4" | 4.95 | 3.00 | 1.95 | TOP OF PIPE |
| 9 | WATER | 8" | AC | 5.69 | 4.37 | TOP OF PIPE |
| 10 | FM | 4" | PLA | 4.63 | 3.63 | TOP OF PIPE |
| 11 | TELE | 2" Ø 4" | PLA | 5.57 | 3.25 | TOP OF PIPE |
| 11A | TELE | 1" | DBC | 5.50 | 3.68 | TOP OF CABLE |
| 12 | WATER | 8" | AC | 5.74 | 4.20 | TOP OF PIPE |
| 13 | TELE | UNK | PLA | 5.74 | 4.43 | TOP OF PIPE |
| 14 | TELE | 4" | PLA | 5.88 | 4.97 | TOP OF PIPE |

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE | LOWER PIPE | SEPARATION |
|--------------|---------------|-----------------|------------|
| 2 | TELE EL. 1.72 | FM EL. 1.00 | 0.72' |
| 3 | WM EL. 0.59 | FM EL. 0.00 | 0.59' |
| 4 | TELE EL. 1.57 | FM EL. (-)0.10 | 1.67' |
| 5 | TELE EL. 0.50 | STM EL. (-)0.02 | 0.52' |
| 6 | TELE EL. 0.91 | STM EL. (-)0.02 | 0.93' |
| 7 | WM EL. 0.79 | STM EL. (-)0.02 | 0.81' |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- RCP REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- INDICATES STORM DRAIN RIM ELEVATION
- INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P. HIGH POINT OF ROADWAY CENTER LINE
- L.P. LOW POINT OF ROADWAY CENTER LINE
- APPROXIMATE LIMITS OF PAVEMENT OR CONCRETE RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC
- BOTTOM ELEVATION OF UPPER PIPE
- TOP ELEVATION OF LOWER PIPE
- INDICATES CONFLICT NUMBER

EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BUILDING
- BENCH MARK
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SIGN
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- STORM PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY

ENGINEERING PLAN

Gary A. Tenn
Florida P.E. No. 42099

PROJECT NO.
09-0056-001-01

C-3

SHEET **6** OF **18**

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | PJC |

REVISIONS:

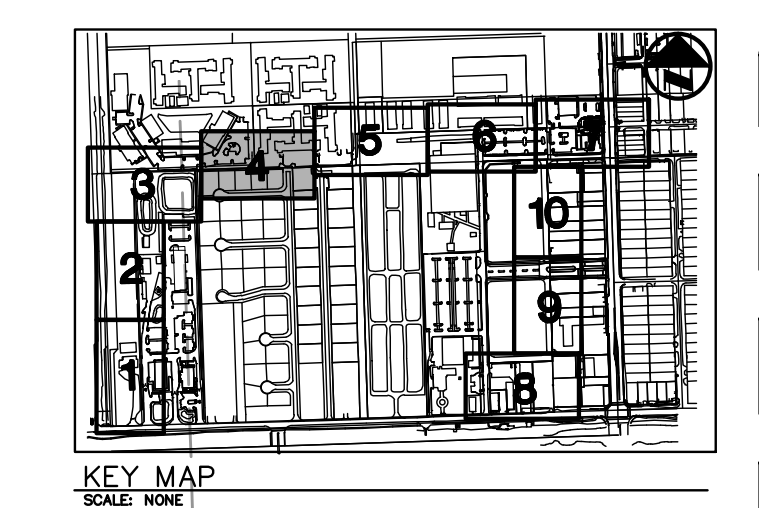
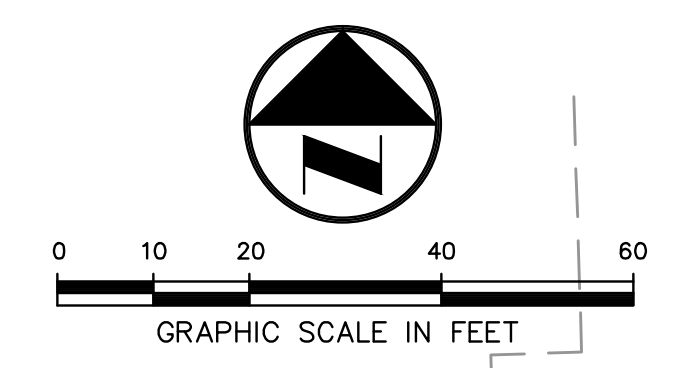
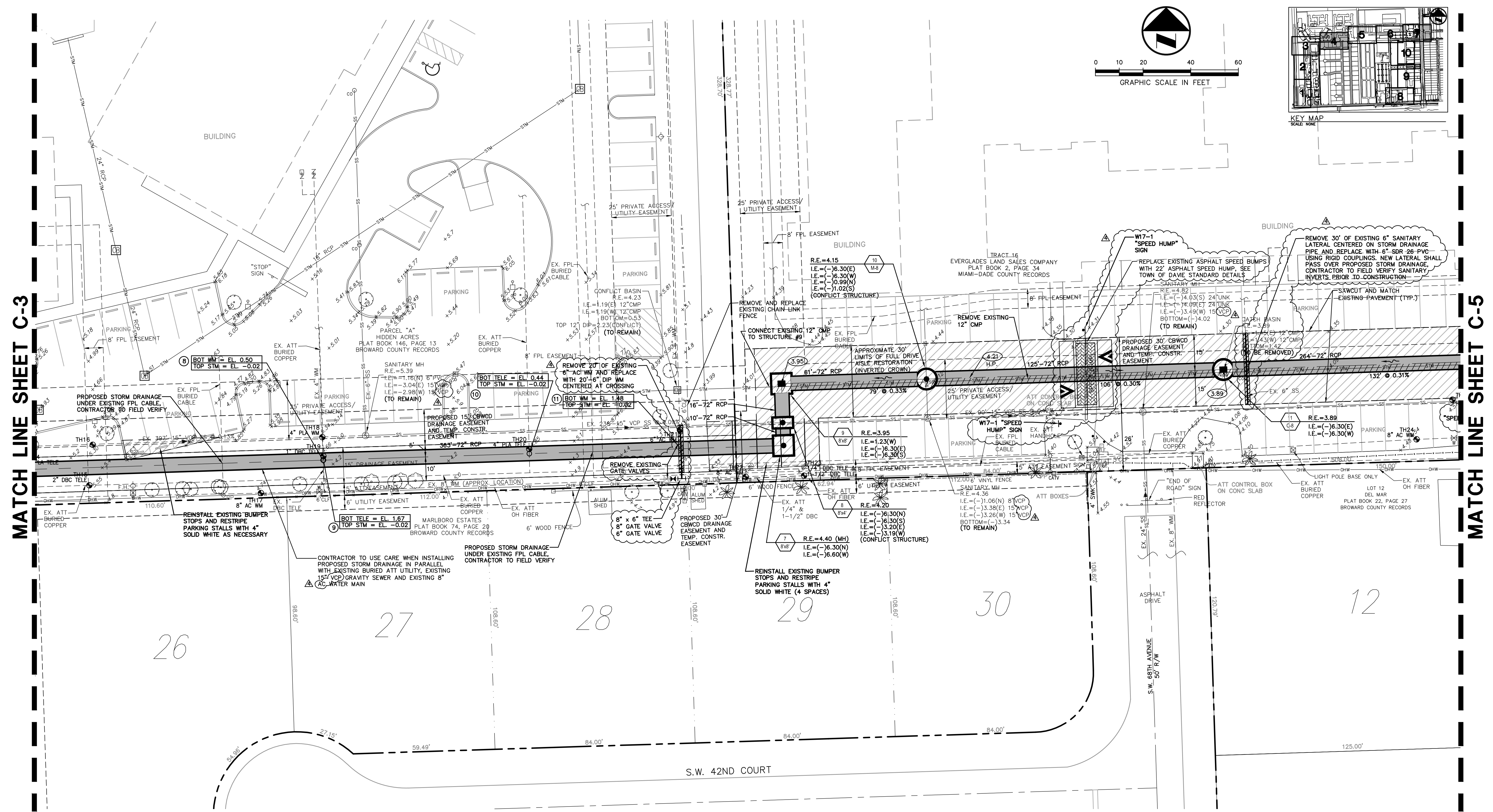
| NO. | DATE | DESCRIPTION |
|-----|----------|---|
| 1 | 7/9/16 | ADD UTILITY CONFLICT TABLES |
| 2 | 11/10/15 | REVISE RETENTION PER ORANGE DR. R/W |
| 3 | 3/12/14 | ADD RETENTION S.F. PER DRC COMMENTS |
| 4 | 4/30/13 | ADD PUBLIC WORKS PARKING LOT PER CLIENT |
| 5 | 4/25/13 | REVISED PER TOWN ENG. COMMENTS |
| 6 | 12/17/12 | REVISED PER TOWN ENG. COMMENTS |

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MATCH LINE SHEET C-3

MATCH LINE SHEET C-5



TEST HOLE TABLE

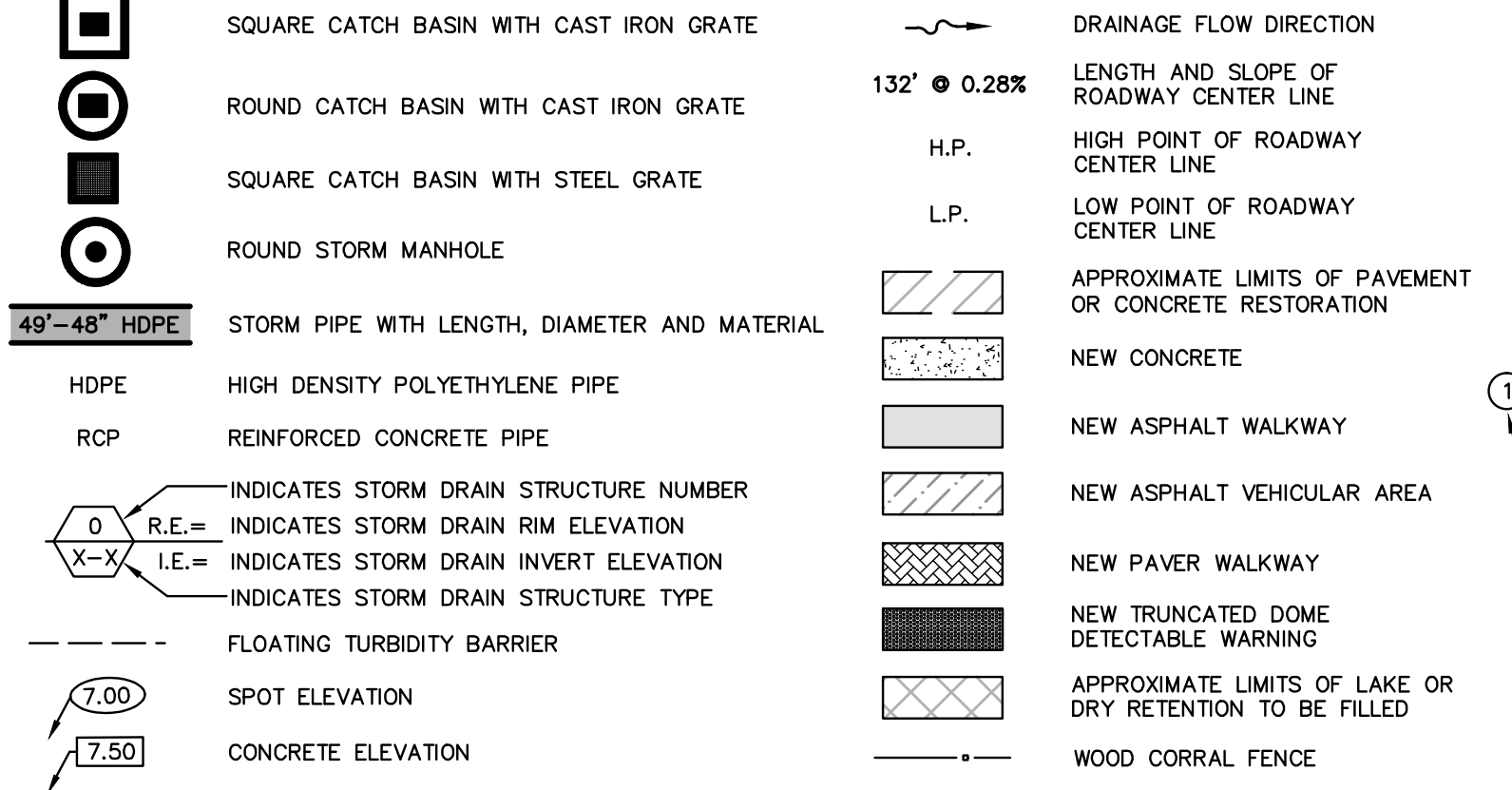
| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|--------|----------|---------------|-------------|------------------|--------------|
| 15 | TELE | 2" | DBC | 5.55 | 4.35 | 1.20 | TOP OF CABLE |
| 17 | WATER | 8" | AC | 4.74 | 3.62 | 1.12 | TOP OF PIPE |
| 18 | WATER | 4" | PLA | 5.34 | 4.55 | 0.79 | TOP OF PIPE |
| 19 | TELE | 1" | DBC | 4.66 | 2.90 | 1.76 | TOP OF CABLE |
| 20 | TELE | 4" | PLA | 4.85 | 4.06 | 0.79 | TOP OF PIPE |
| 21 | WATER | 6" | AC | 4.60 | 2.59 | 2.01 | TOP OF PIPE |
| 22 | WATER | 8" | AC | 4.80 | 3.15 | 1.65 | TOP OF PIPE |
| 23 | TELE | 1/4" | DBC | 4.80 | 1.40 | 3.40 | TOP OF CABLE |
| 23 | TELE | 1-1/2" | DBC | 4.80 | 3.25 | 1.55 | TOP OF CABLE |
| 24 | WATER | 8" | AC | 4.54 | 3.35 | 1.19 | TOP OF PIPE |

NOTE: TEST HOLE NO. 16 WAS DUG FOR A 2" WM BUT NO UTILITIES WERE FOUND.

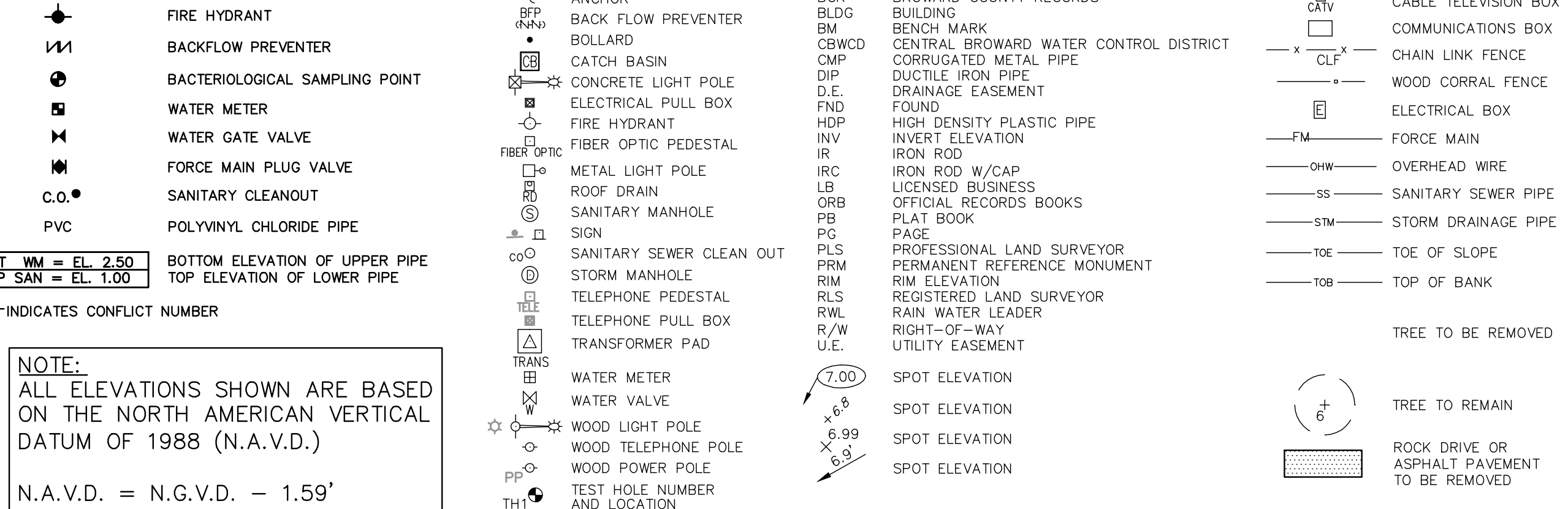
UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE | LOWER PIPE | SEPARATION |
|--------------|---------------|-----------------|------------|
| 8 | WM EL. 0.50 | STM EL. (-)0.02 | 0.52' |
| 9 | TELE EL. 1.67 | STM EL. (-)0.02 | 1.69' |
| 10 | TELE EL. 0.44 | STM EL. (-)0.02 | 0.46' |
| 11 | WM EL. 1.48 | STM EL. (-)0.02 | 1.50' |

PROPOSED LEGEND:



EXISTING LEGEND:



NOTE: ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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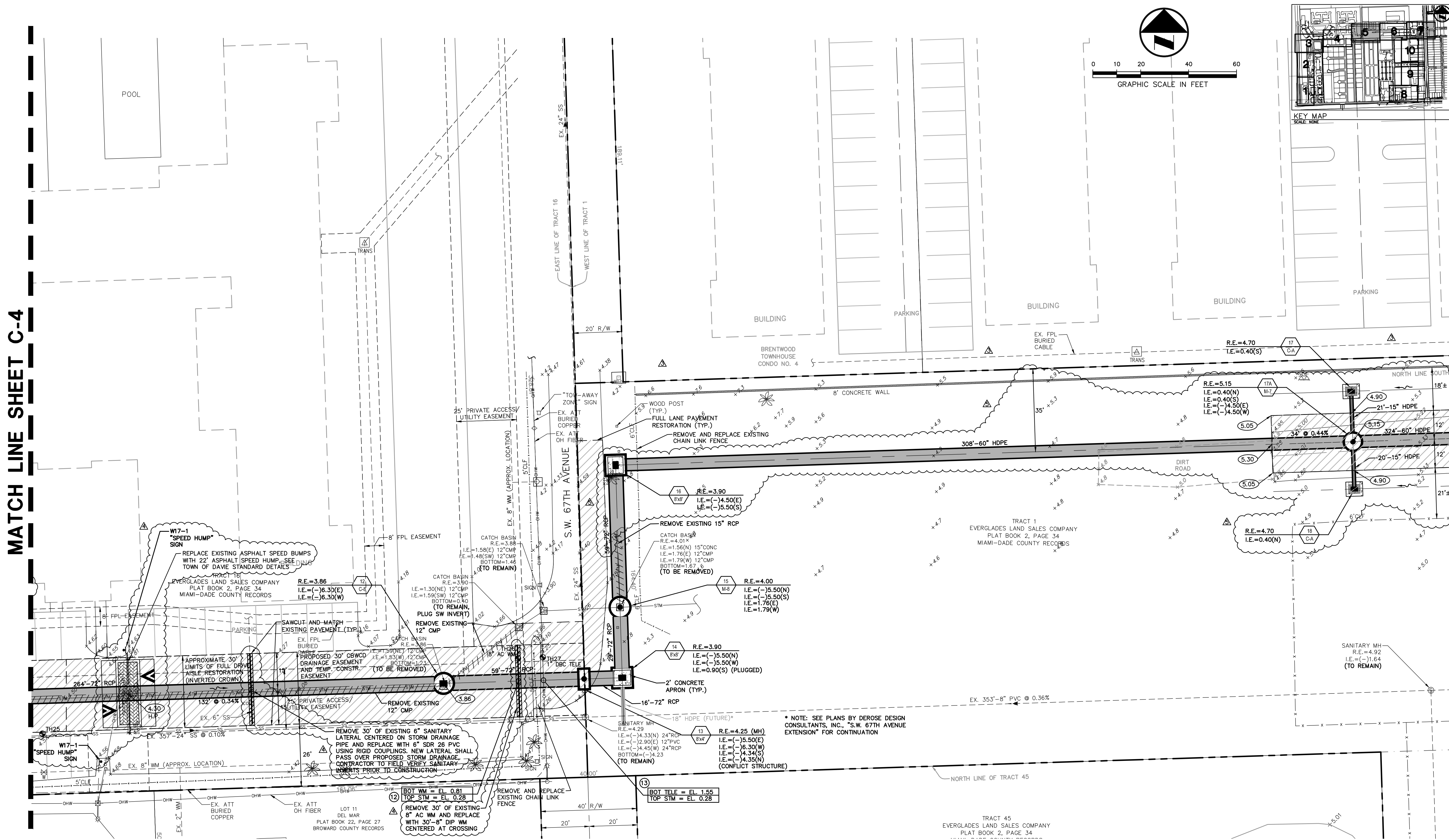
WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
ENGINEERING PLAN

Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
SHEET 7 OF 18

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MATCH LINE SHEET C-4

MATCH LINE SHEET C-6



TEST HOLE TABLE

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|------|----------|-------------------------|-------------|------------------|--------------|
| 26 | WATER | 8" | AC | 4.13 | 2.62 | 1.51 | TOP OF PIPE |
| 27 | TELE | 1" | DBC | 4.25 | 2.60 | 1.65 | TOP OF CABLE |

NOTE: TEST HOLE NO. 25 WAS DUG FOR A 2-1/2" WM BUT NO UTILITIES WERE FOUND.

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE BOTTOM ELEVATION (NAVD) | LOWER PIPE TOP ELEVATION (NAVD) | SEPARATION |
|--------------|------------------------------------|---------------------------------|------------|
| 12 | WM EL. 0.81 | STM EL. 0.28 | 0.53' |
| 13 | TELE EL. 1.55 | STM EL. 0.28 | 1.27' |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- RCP REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- INDICATES STORM DRAIN RIM ELEVATION
- INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- 132' @ 0.28% LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P. HIGH POINT OF ROADWAY CENTER LINE
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- APPROXIMATE LIMITS OF PAVEMENT OR CONCRETE RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- POLYVINYL CHLORIDE PIPE
- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- DIP
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BROWARD COUNTY RECORDS
- BUILDING
- BENCH MARK
- CENTRAL BROWARD WATER CONTROL DISTRICT
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FOUND
- HDP HIGH DENSITY PLASTIC PIPE
- INVERT ELEVATION
- IRON ROD
- IRON ROD W/CAP
- LICENSED BUSINESS
- OFFICIAL RECORDS BOOKS
- PLAT BOOK
- PAGE
- PROFESSIONAL LAND SURVEYOR
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- REGISTERED LAND SURVEYOR
- RAIN WATER LEADER
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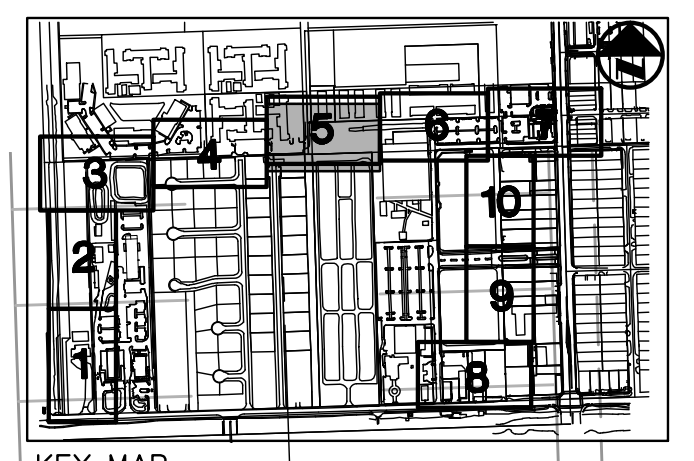
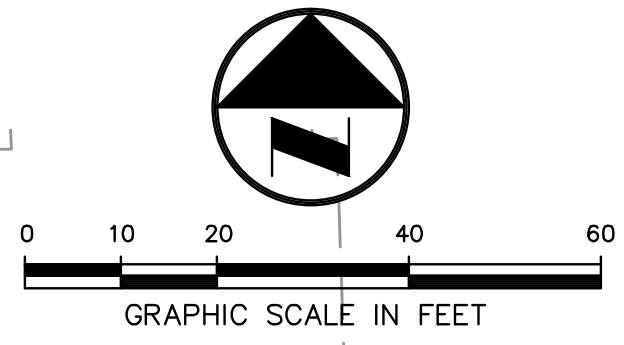
EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- DIP
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BROWARD COUNTY RECORDS
- BUILDING
- BENCH MARK
- CENTRAL BROWARD WATER CONTROL DISTRICT
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FOUND
- HDP HIGH DENSITY PLASTIC PIPE
- INVERT ELEVATION
- IRON ROD
- IRON ROD W/CAP
- LICENSED BUSINESS
- OFFICIAL RECORDS BOOKS
- PLAT BOOK
- PAGE
- PROFESSIONAL LAND SURVEYOR
- PERMANENT REFERENCE MONUMENT
- REGISTERED LAND SURVEYOR
- RAIN WATER LEADER
- RIGHT-OF-WAY
- UTILITY EASEMENT
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TOE OF SLOPE
- TOE OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE: ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.).
N.A.V.D. = N.G.V.D. - 1.59'

EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- DIP
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BROWARD COUNTY RECORDS
- BUILDING
- BENCH MARK
- CENTRAL BROWARD WATER CONTROL DISTRICT
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FOUND
- HDP HIGH DENSITY PLASTIC PIPE
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- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TOE OF SLOPE
- TOE OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED



DATE: 8/10
SCALE: 1"=20'
DESIGN BY: MRN
DRAWN BY: MRN
CHECKED BY: PJC
APPROVED BY:

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERS, SURVEYORS & PLANNERS BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
ENGINEERING PLAN

PREPARED FOR:
Gary A. Tenn
Florida P.E. No. 42099

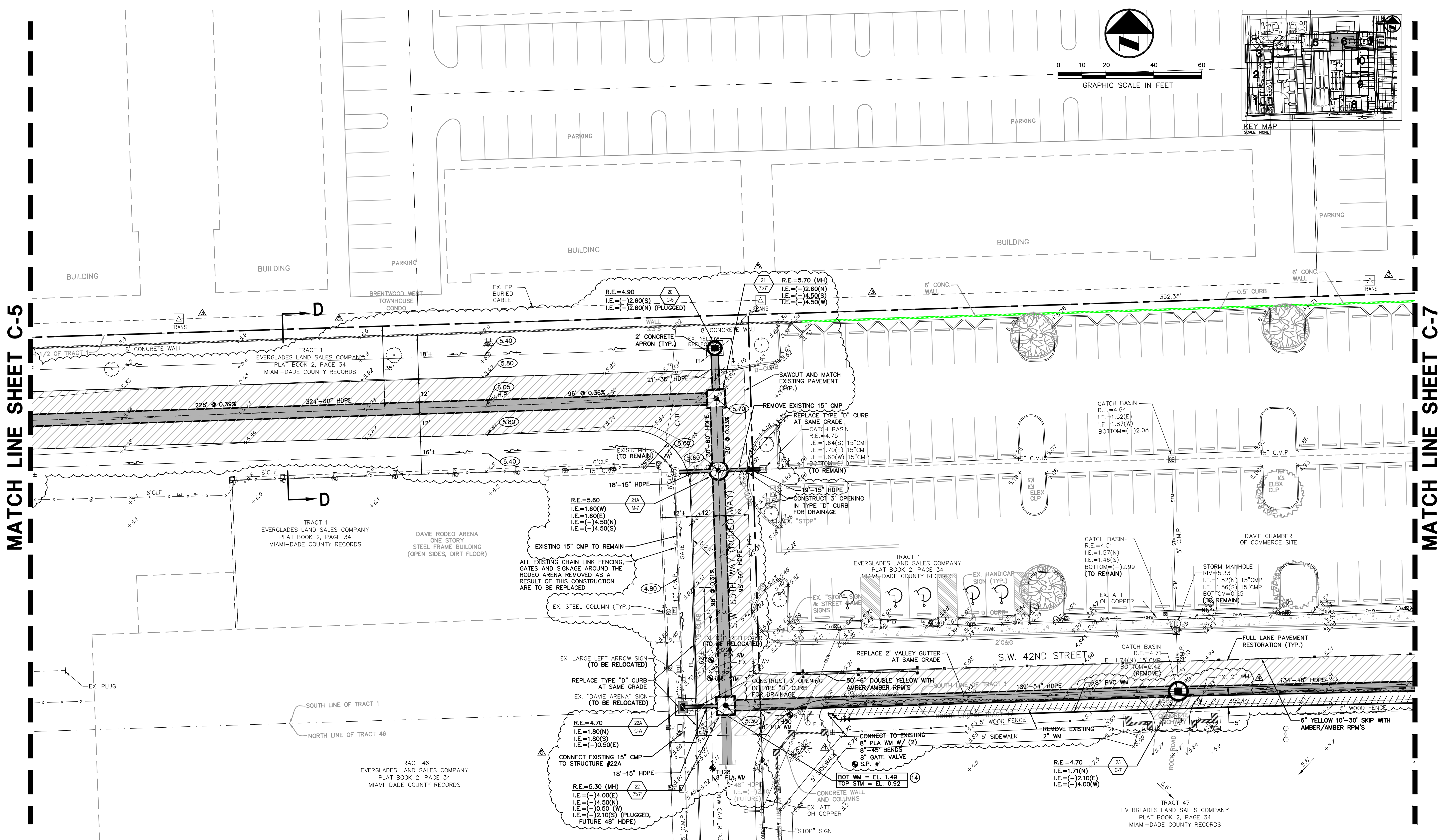
PROJECT NO.
09-0056-001-01

| | |
|--------------|----------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | P.J.C. |
| DATE: | 7/9/16 |
| DATE: | 4/5/13 |
| DATE: | 12/17/12 |
| DATE: | 12/10/12 |
| DATE: | |
| DESCRIPTION: | |

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 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
 TEL.: (954) 739-6409 FAX: (954) 739-6400
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WESTSIDE IMPROVEMENT AREA
 TOWN OF DAVIE, BROWARD COUNTY, FL
 DAVIE COMMUNITY REDEVELOPMENT AGENCY
 ENGINEERING PLAN

PREPARED FOR:
 GARY A. TENN
 Florida P.E. No. 42099
 PROJECT NO.
 09-0056-001-01
 SHEET 9 OF 18



TEST HOLE TABLE

| TEST HOLE NO. | UTILITY TYPE | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|--------------|------|----------|-------------------------|-------------|------------------|-------------|
| 28 | WATER | 8" | PLA | 5.11 | 2.93 | 2.18 | TOP OF PIPE |
| 29 | STM | UNK | UNK | 5.29 | 1.67 | 3.62 | TOP OF PIPE |
| 29A | WATER | 8" | PLA | 5.34 | 3.15 | 2.19 | TOP OF PIPE |
| 30 | WATER | 8" | PLA | 5.08 | 2.37 | 2.71 | TOP OF PIPE |

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE | LOWER PIPE | SEPARATION |
|--------------|-------------|--------------|------------|
| 14 | WM EL. 1.49 | STM EL. 0.92 | 0.57' |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE: STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE: HIGH DENSITY POLYETHYLENE PIPE
- RCP: REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- INDICATES STORM DRAIN RIM ELEVATION
- INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- 132' @ 0.28%: LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P.: HIGH POINT OF ROADWAY CENTER LINE
- L.P.: LOW POINT OF ROADWAY CENTER LINE
- APPROXIMATE LIMITS OF PAVEMENT OR CONCRETE RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- FIRE HYDRANT
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC
- INDICATES CONFLICT NUMBER
- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CATCH LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SIGN
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BCR: BROWARD COUNTY RECORDS
- BLDG: BUILDING
- BM: BENCH MARK
- CBWCD: CENTRAL BROWARD WATER CONTROL DISTRICT
- OMP: CORRUGATED METAL PIPE
- DIP: DUCTILE IRON PIPE
- D.E.: DRAINAGE EASEMENT
- FOUND: FOUND
- HDP: HIGH DENSITY PLASTIC PIPE
- INV: INVERT ELEVATION
- IR: IRON ROD
- IR W/CAP: IRON ROD W/CAP
- LB: LICENSED BUSINESS
- ORB: OFFICIAL RECORDS BOOKS
- PG: PLAT BOOK
- PLS: PROFESSIONAL LAND SURVEYOR
- PRM: PERMANENT REFERENCE MONUMENT
- RIM: RIM ELEVATION
- RLS: REGISTERED LAND SURVEYOR
- RWL: RAIN WATER LEADER
- R/W: RIGHT-OF-WAY
- U.E.: UTILITY EASEMENT
- CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FORCE MAIN
- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STW: STORM DRAINAGE PIPE
- TOE: TOE OF SLOPE
- TOB: TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

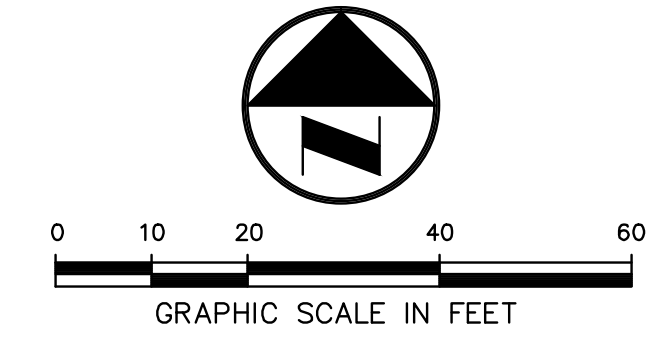
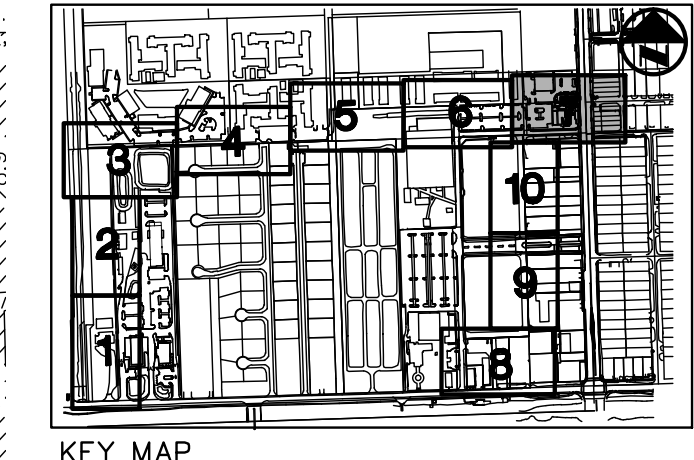
EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CATCH LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SIGN
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
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- ORB: OFFICIAL RECORDS BOOKS
- PG: PLAT BOOK
- PLS: PROFESSIONAL LAND SURVEYOR
- PRM: PERMANENT REFERENCE MONUMENT
- RIM: RIM ELEVATION
- RLS: REGISTERED LAND SURVEYOR
- RWL: RAIN WATER LEADER
- R/W: RIGHT-OF-WAY
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- COMMUNICATIONS BOX
- CHAIN LINK FENCE
- WOOD CORRAL FENCE
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- OVERHEAD WIRE
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- STW: STORM DRAINAGE PIPE
- TOE: TOE OF SLOPE
- TOB: TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

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MATCH LINE SHEET C-6

MATCH LINE SHEET C-10



BROWARD COUNTY NOTES:

A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN SHALL BE SUBMITTED TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (B.C.T.E.D.) FOR WORK IN COUNTY RIGHT-OF-WAY (DAVIE ROAD). SEE SHEET GN-1 FOR ADDITIONAL NOTES.

ALL PAVEMENT MARKINGS AND SIGNAGE DESTROYED OR RELOCATED AS A RESULT OF ALL PROPOSED IMPROVEMENTS SHALL BE RESTORED TO ORIGINAL CONDITIONS.

CORROSION: SOIL: DUCTILE IRON PIPE RESISTS CORROSION IN MOST SOILS. THE REMAINING SOILS, UNDERBERED, POLLUTED RIVER BOTTOMS, ETC. ARE CONSIDERED TO BE POTENTIALLY CORROSIVE. IF PIPE IS TO BE LAID IN CORROSIVE SOILS, ENCASE THE PIPE IN 8 MIL THICK POLYETHYLENE AS REQUIRED BY B.C.M.S.

TRENCHES SHALL BE PROTECTED FROM CAVE-IN BY ADEQUATE PROTECTIVE SYSTEM PER O.S.H.A.

NOTE: FOR IMPROVEMENTS ON S.W. 41ST COURT AND S.W. 42ND STREET EAST OF DAVIE ROAD, SEE CTA PROJECT # 02-0025-601-02, BCHCD REF. # 110429001, EASTSIDE INFRASTRUCTURE IMPROVEMENTS PHASE III.

PERMIT SET

MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

MATERIAL

ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

NOTICE INSPECTION REQUIRED:

24 HOURS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION

NOTE:

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH REGULATIONS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

| | |
|-------------------------------------|--------------|
| DATE: | 1/17 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | PJC |
| ADD UTILITY CONFLICT TABLES | MRN 7/9/16 |
| REVISOR PER TOWN ENG. COMMENTS | MRN 12/17/12 |
| REVISOR PER B/CMD & S/FWMD COMMENTS | MRN 12/10/12 |
| REVISOR PER B/CMD COMMENTS | MRN 11/30/12 |
| DESCRIPTION: | |

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 TEL: (954) 739-6400
 FAX: (954) 739-6409
 FLORIDA LICENSED ENGINEERING SURVEYORS & PLANNERS BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 00011

WESTSIDE IMPROVEMENT AREA

TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY

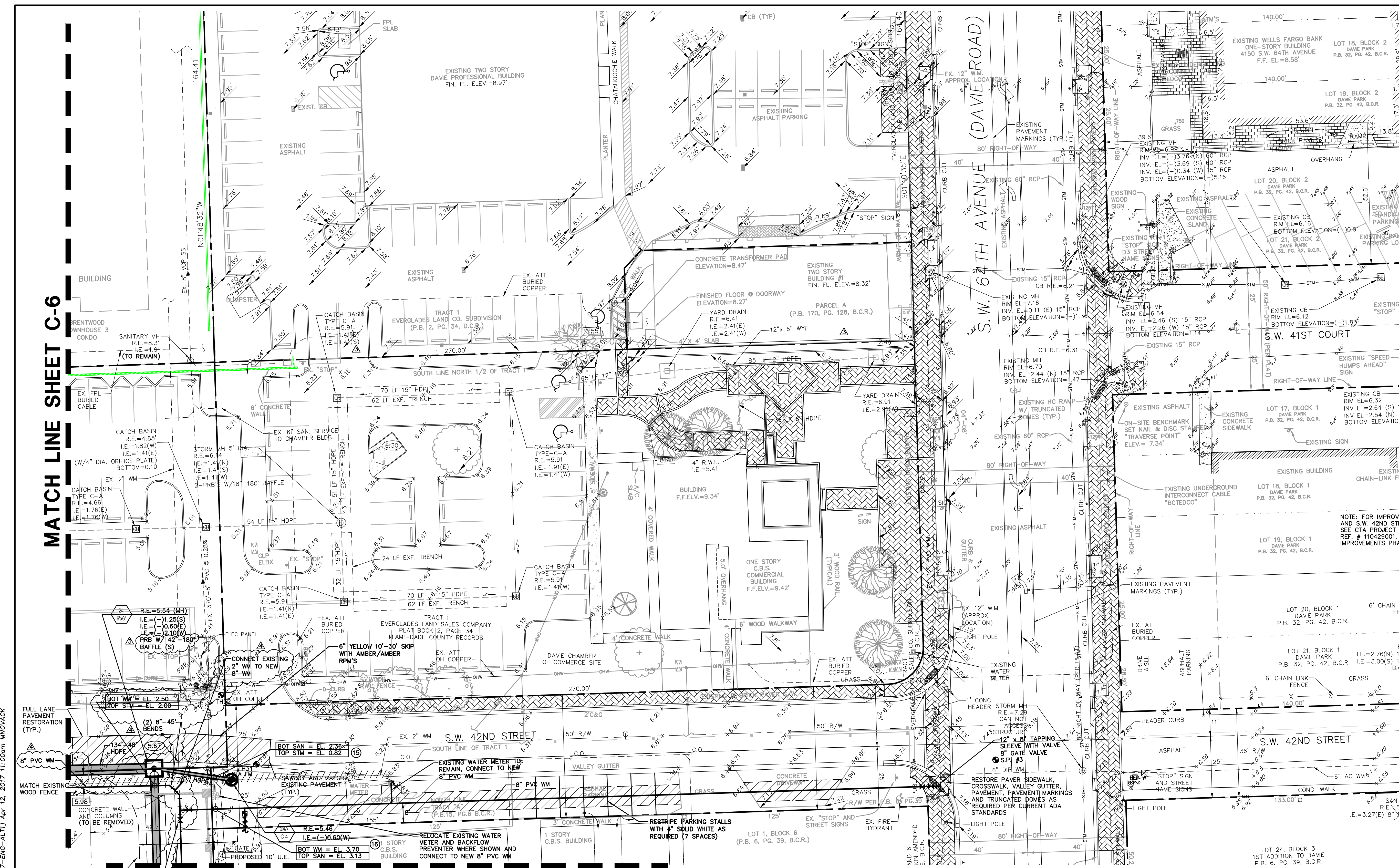
ENGINEERING PLAN

Gary A. Tenn
 Florida P.E. No. 42099

PROJECT NO.
09-0056-001-01

C-7

SHEET 10 OF 18



PROPOSED LEGEND:

| | | | | | |
|--|---|--|---|--|--------------------------------|
| | SQUARE CATCH BASIN WITH CAST IRON GRATE | | DRAINAGE FLOW DIRECTION | | FIRE HYDRANT |
| | ROUND CATCH BASIN WITH CAST IRON GRATE | | LENGTH AND SLOPE OF ROADWAY CENTER LINE | | BACKFLOW PREVENTER |
| | SQUARE CATCH BASIN WITH STEEL GRATE | | HIGH POINT OF ROADWAY CENTER LINE | | BACTERIOLOGICAL SAMPLING POINT |
| | ROUND STORM MANHOLE | | LOW POINT OF ROADWAY CENTER LINE | | WATER METER |
| | STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL | | APPROXIMATE LIMITS OF PAVEMENT, CONCRETE OR BRICK PAVER RESTORATION | | WATER GATE VALVE |
| | HDPE HIGH DENSITY POLYETHYLENE PIPE | | NEW CONCRETE | | FORCE MAIN PLUG VALVE |
| | RCP REINFORCED CONCRETE PIPE | | NEW ASPHALT WALKWAY | | SANITARY CLEANOUT |
| | INDICATES STORM DRAIN STRUCTURE NUMBER | | NEW ASPHALT VEHICULAR AREA | | POLYVINYL CHLORIDE PIPE |
| | INDICATES STORM DRAIN INVERT ELEVATION | | NEW PAVER WALKWAY | | BOTTOM ELEVATION OF UPPER PIPE |
| | INDICATES STORM DRAIN STRUCTURE TYPE | | NEW TRUNCATED DOME DETECTABLE WARNING | | TOP ELEVATION OF LOWER PIPE |
| | FLOATING TURBIDITY BARRIER | | APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED | | INDICATES CONFLICT NUMBER |
| | SPOT ELEVATION | | WOOD CORRAL FENCE | | |
| | CONCRETE ELEVATION | | | | |

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

EXISTING LEGEND:

| | | | | | |
|--|-------------------------------|--|--|--|----------------------|
| | ANCHOR | | BROWARD COUNTY RECORDS | | CABLE TELEVISION BOX |
| | BACK FLOW PREVENTER | | BUILDING | | COMMUNICATIONS BOX |
| | BOLLARD | | BENCH MARK | | CHAIN LINK FENCE |
| | CATCH BASIN | | CENTRAL BROWARD WATER CONTROL DISTRICT | | WOOD CORRAL FENCE |
| | CONCRETE LIGHT POLE | | CORRUGATED METAL PIPE | | ELECTRICAL BOX |
| | ELECTRICAL PULL BOX | | DUCTILE IRON PIPE | | FORCE MAIN |
| | FIRE HYDRANT | | DRAINAGE EASEMENT | | OVERHEAD WIRE |
| | FIBER OPTIC PEDESTAL | | FOUND | | SANITARY SEWER PIPE |
| | METAL LIGHT POLE | | HIGH DENSITY PLASTIC PIPE | | STORM DRAINAGE PIPE |
| | ROOF DRAIN | | INVERT ELEVATION | | TOE OF SLOPE |
| | SANITARY MANHOLE | | IRON ROD | | TOP OF BANK |
| | SIGN | | IRON ROD W/CAP | | |
| | SANITARY SEWER CLEAN OUT | | LICENSED BUSINESS | | |
| | STORM MANHOLE | | OFFICIAL RECORDS BOOKS | | |
| | TELEPHONE PEDESTAL | | PLAT BOOK | | |
| | TELEPHONE PULL BOX | | PAGE | | |
| | TRANSFORMER PAD | | PROFESSIONAL LAND SURVEYOR | | |
| | WATER METER | | PERMANENT REFERENCE MONUMENT | | |
| | WOOD LIGHT POLE | | RAIN WATER LEADER | | |
| | WOOD POWER POLE | | RIGHT-OF-WAY UTILITY EASEMENT | | |
| | TEST HOLE NUMBER AND LOCATION | | SPOT ELEVATION | | |
| | | | SPOT ELEVATION | | |
| | | | SPOT ELEVATION | | |
| | | | SPOT ELEVATION | | |
| | | | TREE TO REMAIN | | |
| | | | ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED | | |

TEST HOLE TABLE

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|------|----------|-------------------------|-------------|------------------|-------------|
| 31 | SS | 6" | PLA | 5.81 | 2.97 | 2.84 | TOP OF PIPE |

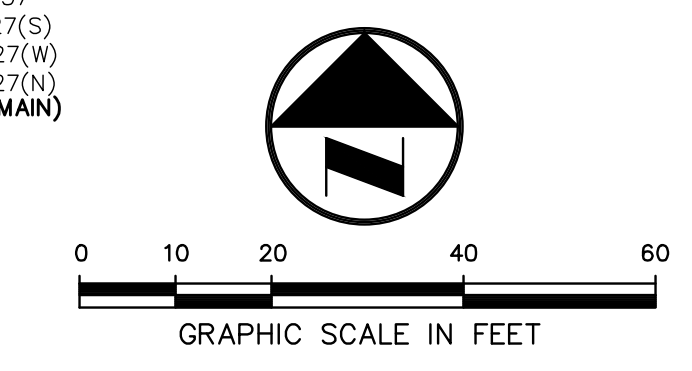
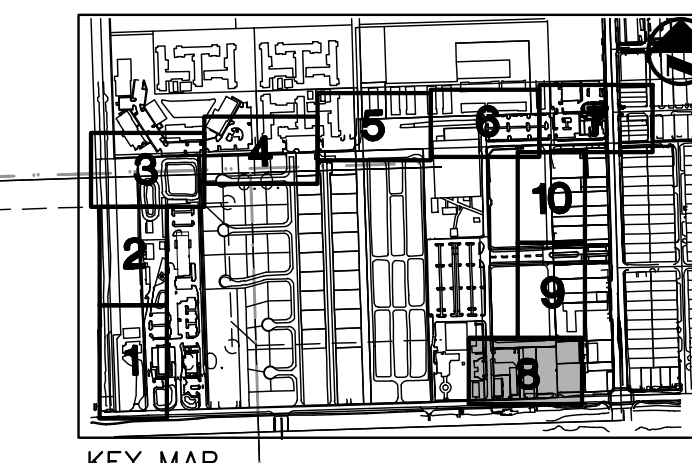
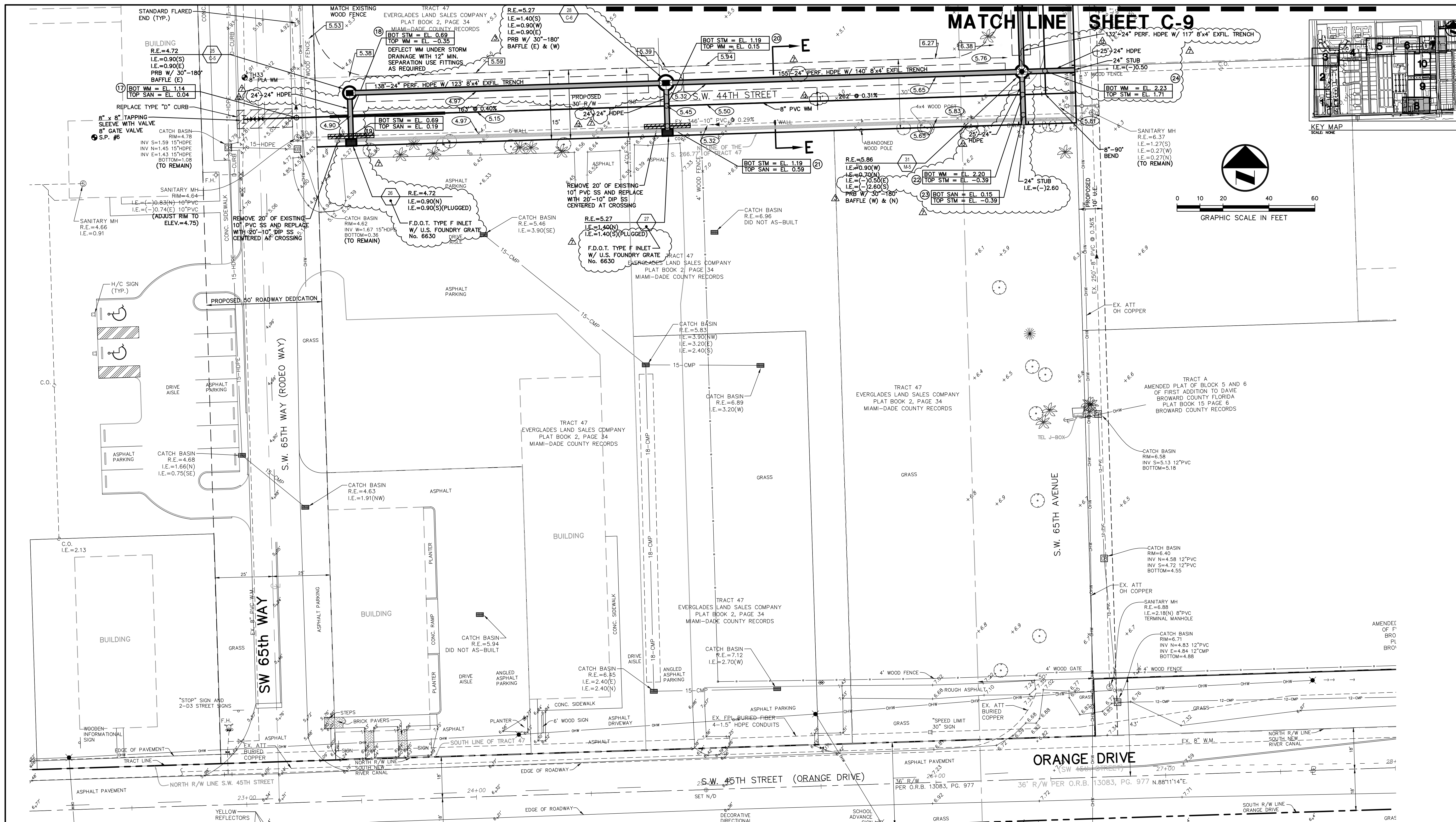
NOTE: TEST HOLE NO. 32 WAS DUG FOR A 2" WM BUT NO UTILITIES WERE FOUND.

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE BOTTOM ELEVATION (NAVD) | LOWER PIPE TOP ELEVATION (NAVD) | SEPARATION |
|--------------|------------------------------------|---------------------------------|------------|
| 15 | SAN EL. 2.38 | STM EL. 0.82 | 1.54' |
| 16 | WM EL. 3.70 | SAN EL. 3.13 | 0.57' |

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MATCH LINE SHEET C-9



| | |
|--------------|----------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | PJC |
| DATE: | 12/10/12 |
| DESCRIPTION: | |

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 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 63RD STREET, FORT LAUDERDALE, FLORIDA 33309
 PLAT BOOK 15 PAGE 6
 TEL: (954) 739-6409
 FAX: (954) 739-6409
 FLORIDA LICENSED ENGINEERING, SURVEYING & PLANNING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114
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WESTSIDE IMPROVEMENT AREA
 TOWN OF DAVIE, BROWARD COUNTY, FL
 DAVIE COMMUNITY REDEVELOPMENT AGENCY
 ENGINEERING PLAN

PREPARED FOR:
 Gary A. Tenn
 Florida P.E. No. 42099
 PROJECT NO.
 09-0056-001-01
 SHEET 11 OF 18

TEST HOLE TABLE

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER ELEVATION (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|------|----------|-------------------------|-----------------------|------------------|-------------|
| 33 | WATER | 8" | PLA | 4.91 | 3.32 | 1.59 | TOP OF PIPE |

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE BOTTOM ELEVATION (NAVD) | LOWER PIPE TOP ELEVATION (NAVD) | SEPARATION |
|--------------|------------------------------------|---------------------------------|------------|
| 17 | WM EL. 1.14 | SAN EL. 0.04 | 1.10' |
| 18 | STM EL. 0.69 | WM EL. (-)0.35 | 1.04' |
| 19 | STM EL. 0.69 | SAN EL. 0.19 | 0.50' |
| 20 | STM EL. 1.19 | WM EL. 0.15 | 1.04' |
| 21 | STM EL. 1.19 | SAN EL. 0.59 | 0.60' |
| 22 | WM EL. 2.20 | STM EL. (-)0.39 | 2.59' |
| 23 | SAN EL. 0.15 | STM EL. (-)0.39 | 0.54' |
| 24 | WM EL. 2.23 | STM EL. 1.71 | 0.52' |

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 48"-48" HDPE
- HDPE
- RCP
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E.= INDICATES STORM DRAIN RIM ELEVATION
- I.E.= INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- 132' @ 0.28%
- H.P.
- L.P.
- APPROXIMATE LIMITS OF PAVEMENT, CONCRETE OR BRICK PAVEMENT RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVER WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- POLYVINYL CHLORIDE PIPE
- ANCHOR
- BACK FLOW PREVENTER
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- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BROWARD COUNTY RECORDS
- BUILDING
- BENCH MARK
- CENTRAL BROWARD WATER CONTROL DISTRICT
- CORRUGATED METAL PIPE
- DUCTILE IRON PIPE
- DRAINAGE EASEMENT
- FOUND
- HDP
- HOP
- INVERT ELEVATION
- IRON ROD
- IRON ROD W/CAP
- LB
- LICENSED BUSINESS
- ORB
- PLAT BOOK
- PG
- PLS
- PERMANENT REFERENCE MONUMENT
- RIM ELEVATION
- REGISTERED LAND SURVEYOR
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- RAIN WATER LEADER
- R/W
- UTILITY EASEMENT
- CABLE TELEVISION BOX
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- CHAIN LINK FENCE
- WOOD CORRAL FENCE
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- OVERHEAD WIRE
- SANITARY SEWER PIPE
- STORM DRAINAGE PIPE
- TOE
- TOE OF SLOPE
- TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

EXISTING LEGEND:

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

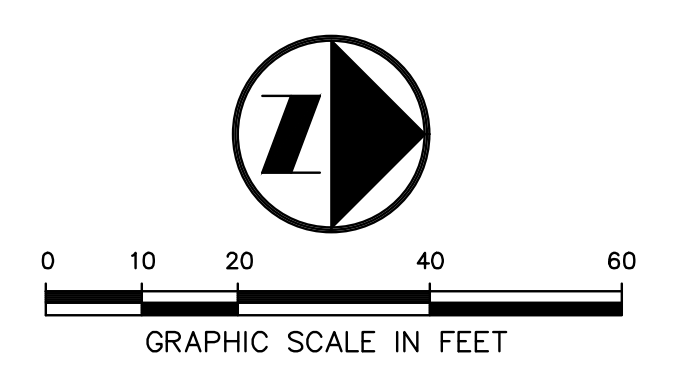
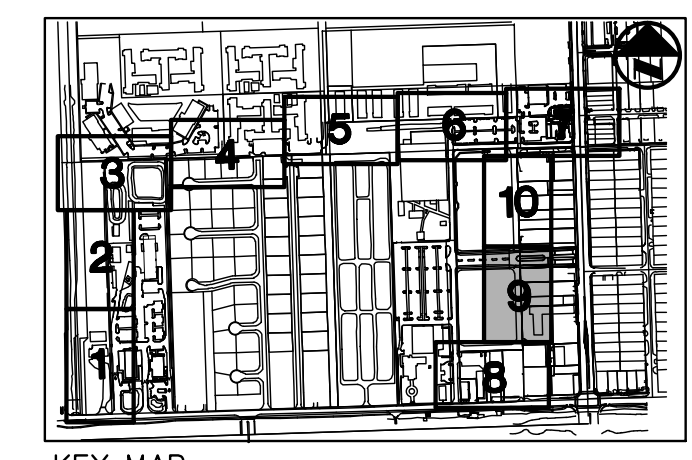
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UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE | LOWER PIPE | SEPARATION |
|--------------|-------------|--------------|------------|
| 25 | WM EL. 2.40 | STM EL. 1.71 | 0.69' |
| 26 | WM EL. 2.88 | STM EL. 2.21 | 0.67' |
| 27 | WM EL. 3.50 | STM EL. 2.91 | 0.59' |
| 28 | WM EL. 1.38 | STM EL. 0.71 | 0.67' |
| 29 | WM EL. 1.38 | STM EL. 0.71 | 0.67' |

MATCH LINE SHEET C-8

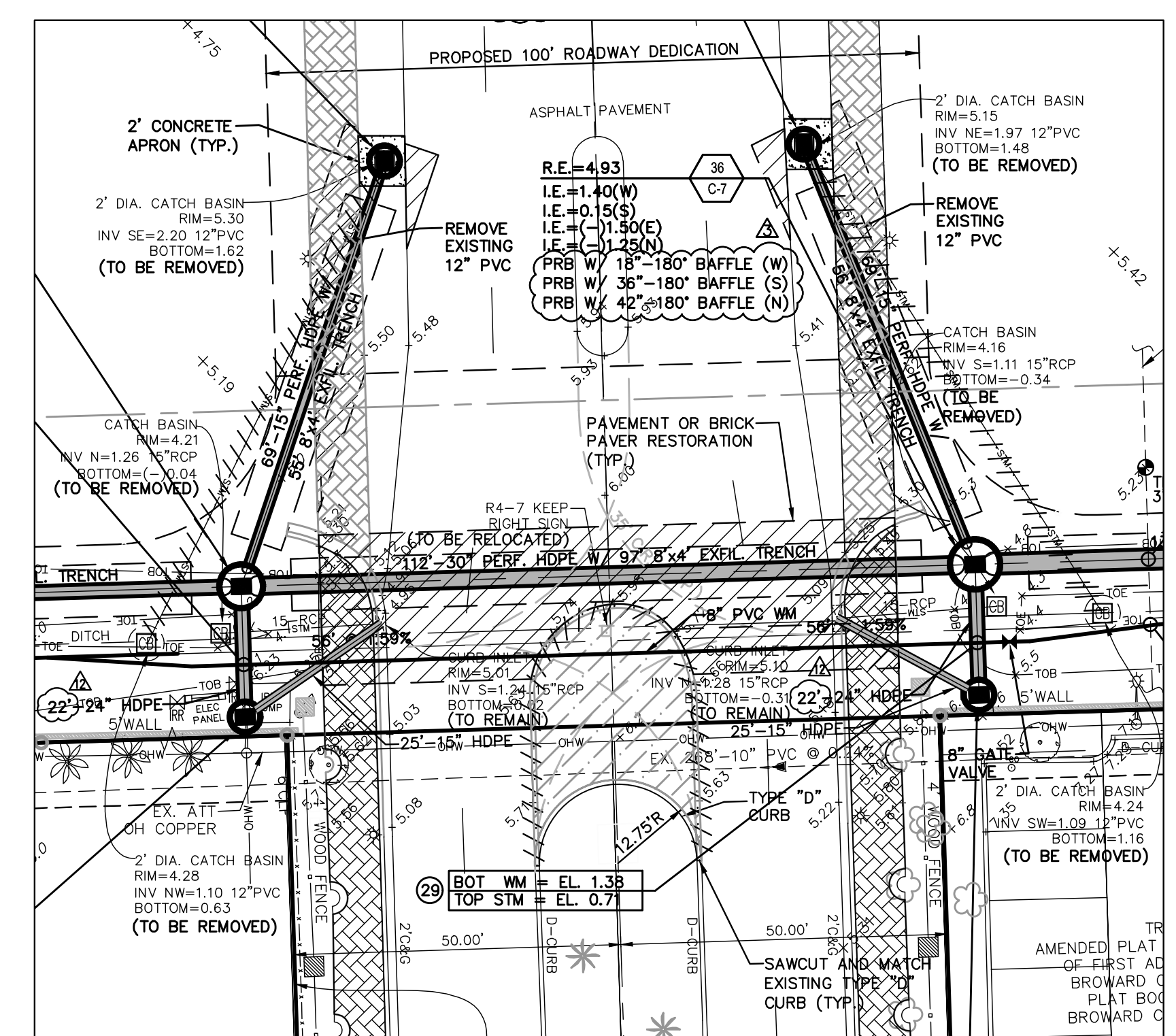
MATCH LINE SHEET C-10



| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | MRN |

CRAVEN • THOMPSON AND ASSOCIATES, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
 FAX: (954) 739-6409 TEL: (954) 739-6400
 FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000014
 MATERIAL SHOWN HEREIN IS THE PROPERTY OF CRAVEN THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. © 2017

WESTSIDE IMPROVEMENT AREA
 TOWN OF DAVIE, BROWARD COUNTY, FL
 PREPARED FOR:
 DAVIE COMMUNITY REDEVELOPMENT AGENCY
 ENGINEERING PLAN
 Gary A. Tenn
 Florida P.E. No. 42099
 PROJECT NO.
 09-0056-001-01
 SHEET 12 OF 18



INTERSECTION DETAIL
 SCALE: 1" = 20'

PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- RCP REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E. = INDICATES STORM DRAIN RIM ELEVATION
- I.E. = INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- FLOATING TURBIDITY BARRIER
- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
- LENGTH AND SLOPE OF ROADWAY CENTER LINE
- H.P. HIGH POINT OF ROADWAY CENTER LINE
- L.P. LOW POINT OF ROADWAY CENTER LINE
- APPROXIMATE LIMITS OF PAVEMENT, CONCRETE OR BRICK PAVEMENT RESTORATION
- NEW CONCRETE
- NEW ASPHALT WALKWAY
- NEW ASPHALT VEHICULAR AREA
- NEW PAVEMENT WALKWAY
- NEW TRUNCATED DOME DETECTABLE WARNING
- APPROXIMATE LIMITS OF LAKE OR DRY RETENTION TO BE FILLED
- WOOD CORRAL FENCE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- BACTERIOLOGICAL SAMPLING POINT
- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC POLYVINYL CHLORIDE PIPE
- BOTTOM ELEVATION OF UPPER PIPE
- TOP ELEVATION OF LOWER PIPE
- INDICATES CONFLICT NUMBER

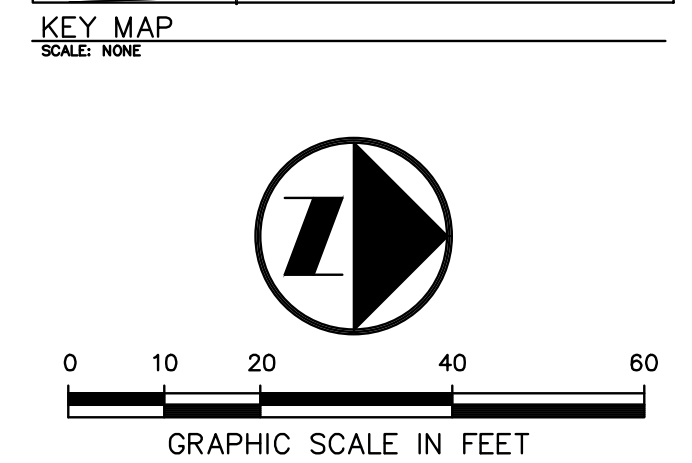
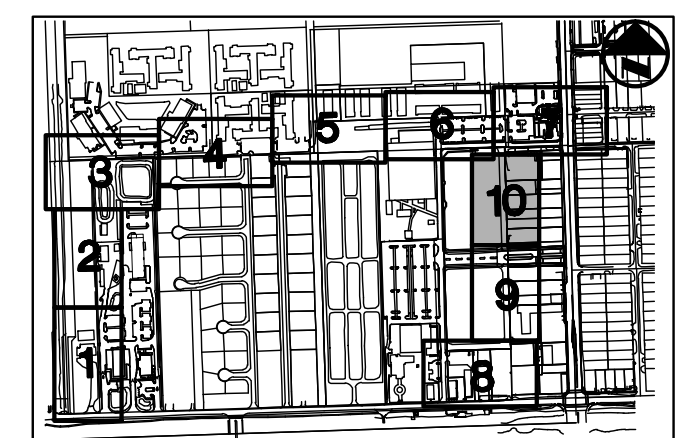
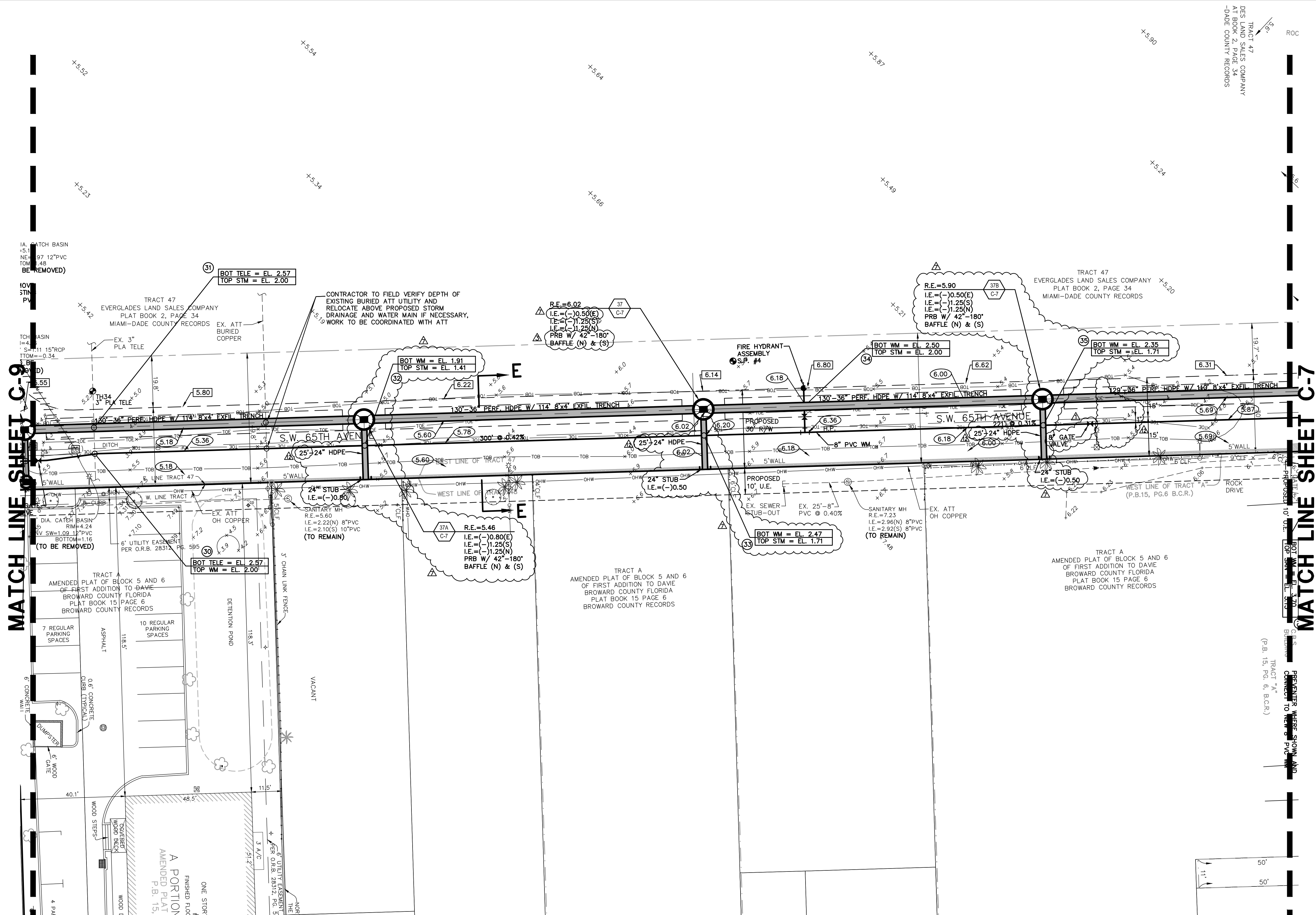
EXISTING LEGEND:

- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- METAL LIGHT POLE
- ROOF DRAIN
- SANITARY MANHOLE
- SIGN
- SANITARY SEWER CLEAN OUT
- STORM MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TRANSFORMER PAD
- WATER METER
- WATER VALVE
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- TEST HOLE NUMBER AND LOCATION
- BCR BROWARD COUNTY RECORDS BUILDING
- BLM BENCH MARK
- CBWCD CENTRAL BROWARD WATER CONTROL DISTRICT
- CLF CORRUGATED METAL PIPE
- DIP DUCTILE IRON PIPE
- D.E. DRAINAGE EASEMENT
- FND FOUND
- HDP HIGH DENSITY PLASTIC PIPE
- INV INVERT ELEVATION
- IR IRON ROD
- IRC IRON ROD W/CAP
- LB LICENSED BUSINESS
- ORB OFFICIAL RECORDS BOOKS
- PB PLAT BOOK
- PLS PROFESSIONAL LAND SURVEYOR PERMANENT REFERENCE MONUMENT
- RIM RIM ELEVATION
- RLS REGISTERED LAND SURVEYOR
- RWL RAIN WATER LEADER
- R/W RIGHT-OF-WAY
- U.E. UTILITY EASEMENT
- CATV CABLE TELEVISION BOX
- COMMUNICATIONS BOX
- CLF CHAIN LINK FENCE
- WOOD CORRAL FENCE
- ELECTRICAL BOX
- FM FORCE MAIN
- OHW OVERHEAD WIRE
- SS SANITARY SEWER PIPE
- STM STORM DRAINAGE PIPE
- TOE TOE OF SLOPE
- TOB TOP OF BANK
- TREE TO BE REMOVED
- TREE TO REMAIN
- ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

NOTE:
 ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
 N.A.V.D. = N.G.V.D. - 1.59'

G:\2009\09-0056-Westside\CURRENT\09-0056-ENG-ALT.dwg [C-9-ENG-ALT] Apr 12, 2017 11:01am MNOVACK

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| | |
|--------------|--------|
| DATE: | 8/10 |
| SCALE: | 1"=20' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | PJC |

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TOWN OF DAVIE, BROWARD COUNTY, FL
 PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
ENGINEERING PLAN

Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-10
 SHEET 13 OF 18

TEST HOLE TABLE

| TEST HOLE NO. | UTILITY | SIZE | MATERIAL | MARKER ELEVATION (NAVD) | COVER (FT.) | ELEVATION (NAVD) | COMMENT |
|---------------|---------|------|----------|-------------------------|-------------|------------------|-------------|
| 34 | TELE | 3" | PLA | 5.23 | 2.39 | 2.84 | TOP OF PIPE |

UTILITY CONFLICT TABLE

| CONFLICT NO. | UPPER PIPE BOTTOM ELEVATION (NAVD) | LOWER PIPE TOP ELEVATION (NAVD) | SEPARATION |
|--------------|------------------------------------|---------------------------------|------------|
| 30 | TELE EL. 2.57 | WM EL. 2.00 | 0.57' |
| 31 | TELE EL. 2.57 | STM EL. 2.00 | 0.57' |
| 32 | WM EL. 1.91 | STM EL. 1.41 | 0.50' |
| 33 | WM EL. 2.47 | STM EL. 1.71 | 0.76' |
| 34 | WM EL. 2.50 | STM EL. 2.00 | 0.50' |
| 35 | WM EL. 2.35 | STM EL. 1.71 | 0.64' |

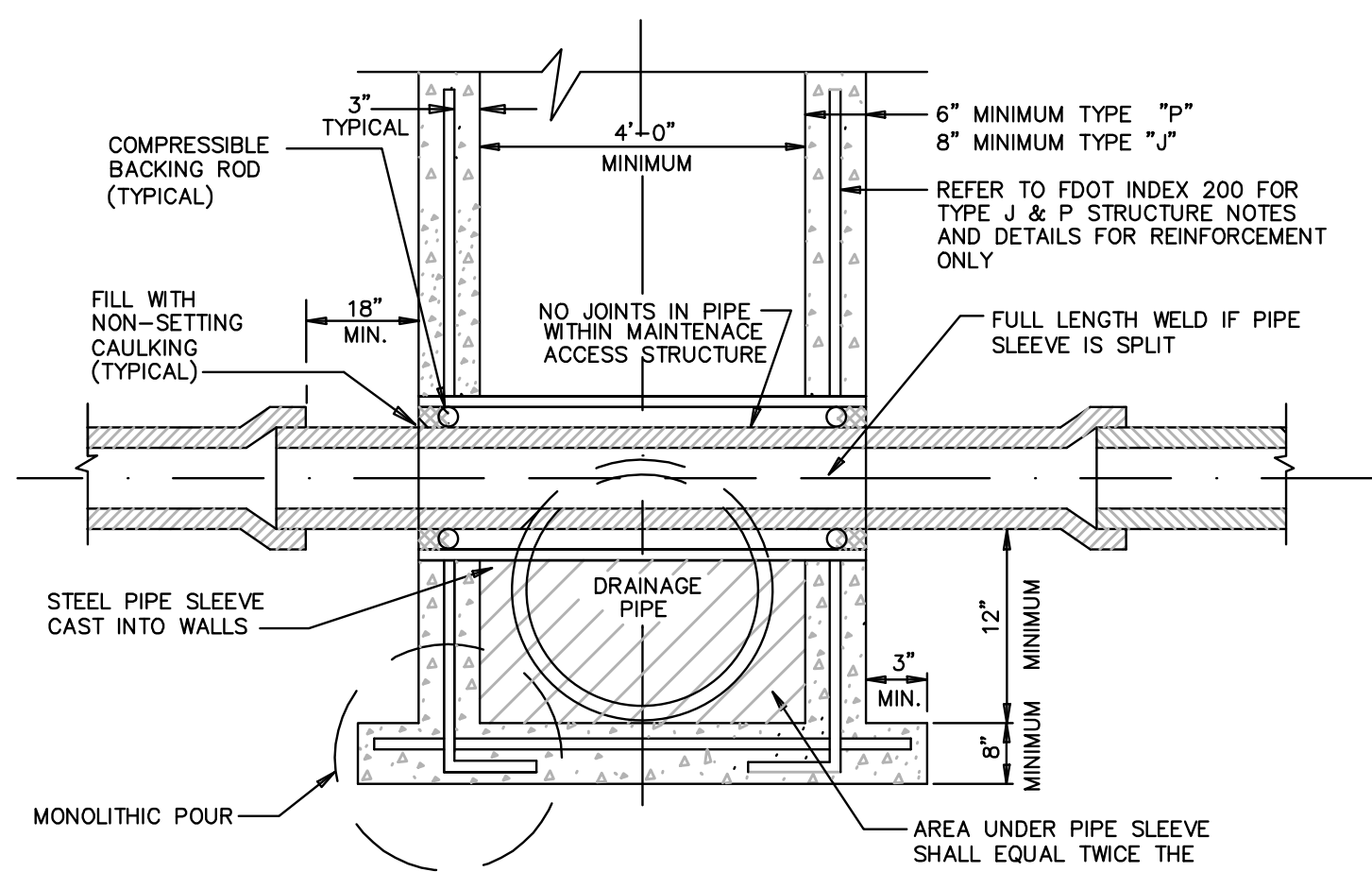
PROPOSED LEGEND:

- SQUARE CATCH BASIN WITH CAST IRON GRATE
- ROUND CATCH BASIN WITH CAST IRON GRATE
- SQUARE CATCH BASIN WITH STEEL GRATE
- ROUND STORM MANHOLE
- 49"-48" HDPE STORM PIPE WITH LENGTH, DIAMETER AND MATERIAL
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- RCP REINFORCED CONCRETE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E.= INDICATES STORM DRAIN RIM ELEVATION
- I.E.= INDICATES STORM DRAIN INVERT ELEVATION
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- SPOT ELEVATION
- CONCRETE ELEVATION
- DRAINAGE FLOW DIRECTION
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- WATER METER
- WATER GATE VALVE
- FORCE MAIN PLUG VALVE
- SANITARY CLEANOUT
- PVC POLYVINYL CHLORIDE PIPE
- ANCHOR
- BACK FLOW PREVENTER
- BOLLARD
- CATCH BASIN
- CONCRETE LIGHT POLE
- ELECTRICAL PULL BOX
- FIRE HYDRANT
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- OMP CORRUGATED METAL PIPE
- DIP DUCTILE IRON PIPE
- D.E. DRAINAGE EASEMENT
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- IR IRON ROD
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- LB LICENSED BUSINESS
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- PG PAGE
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- COMB COMMUNICATIONS BOX
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- CCF WOOD CORRAL FENCE
- FM FORCE MAIN
- OHW OVERHEAD WIRE
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- STM STORM DRAINAGE PIPE
- TOE TOE OF SLOPE
- TOB TOP OF BANK
- TBR TREE TO BE REMOVED
- TRM TREE TO REMAIN
- RD ROCK DRIVE OR ASPHALT PAVEMENT TO BE REMOVED

EXISTING LEGEND:

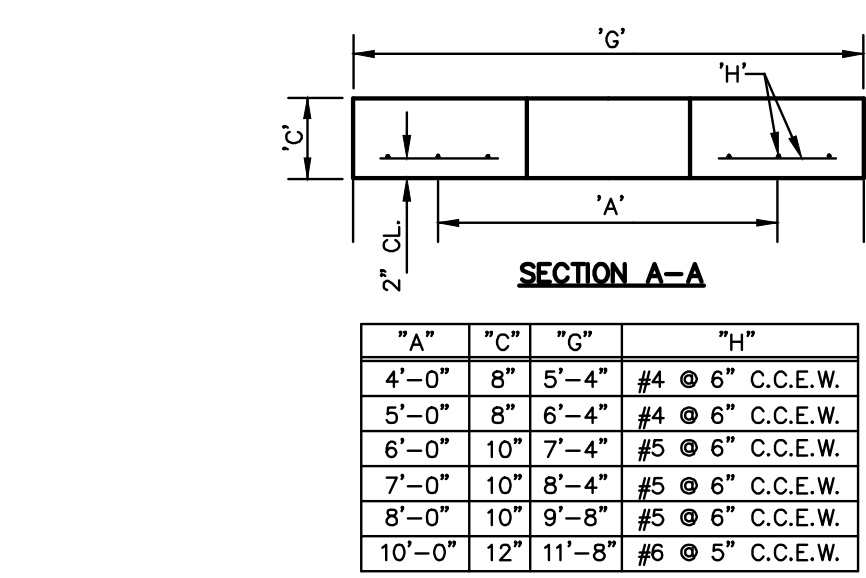
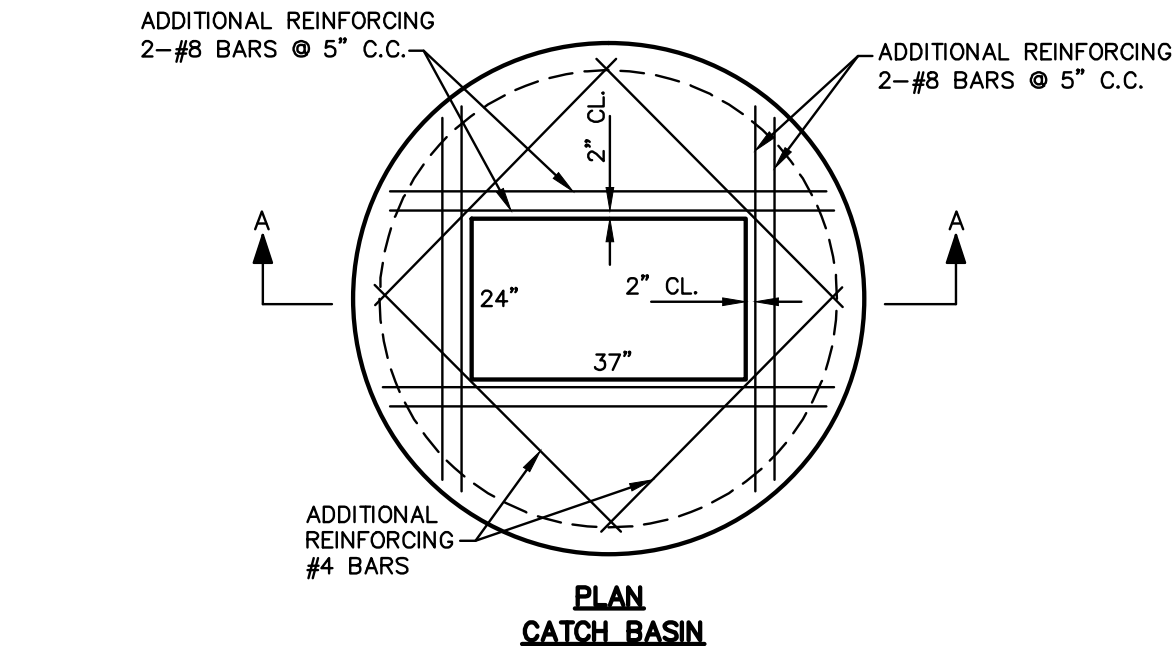
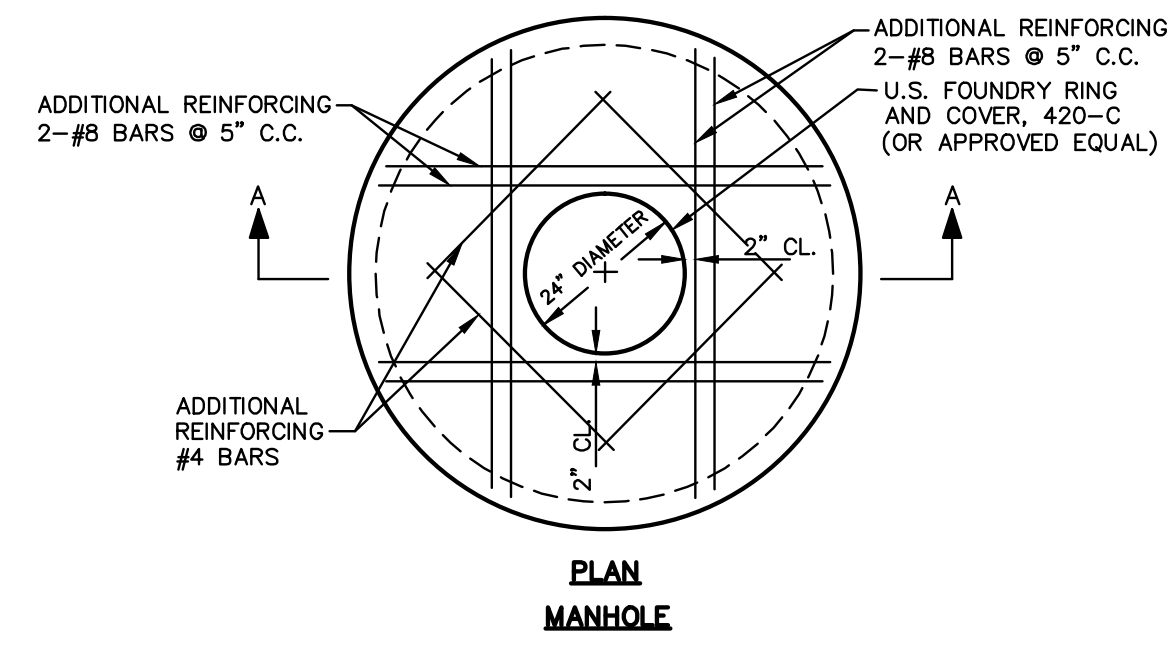
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 N.A.V.D. = N.G.V.D. - 1.59'

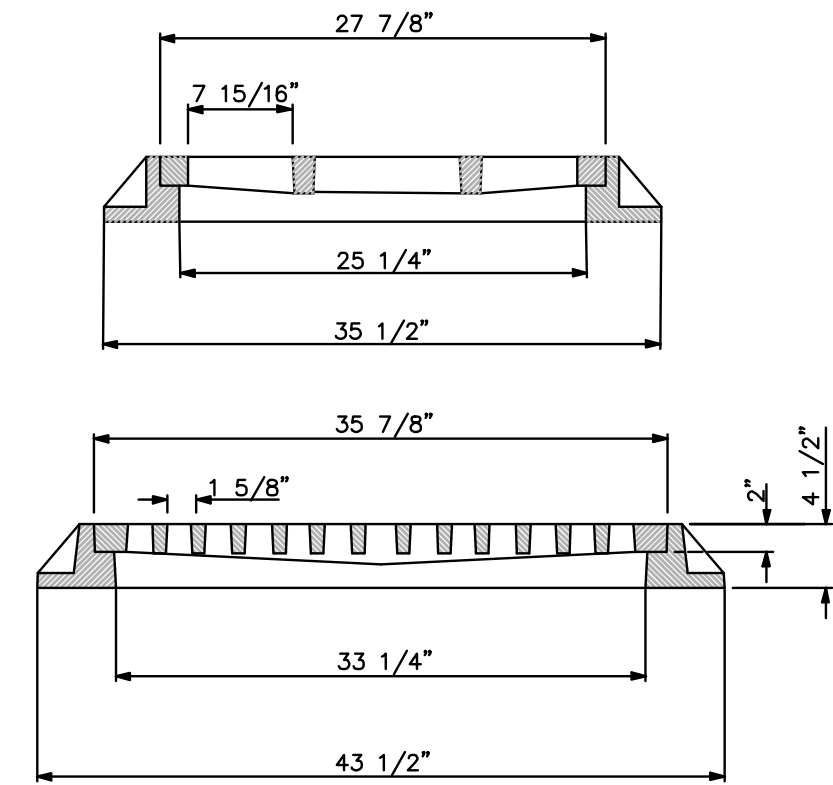
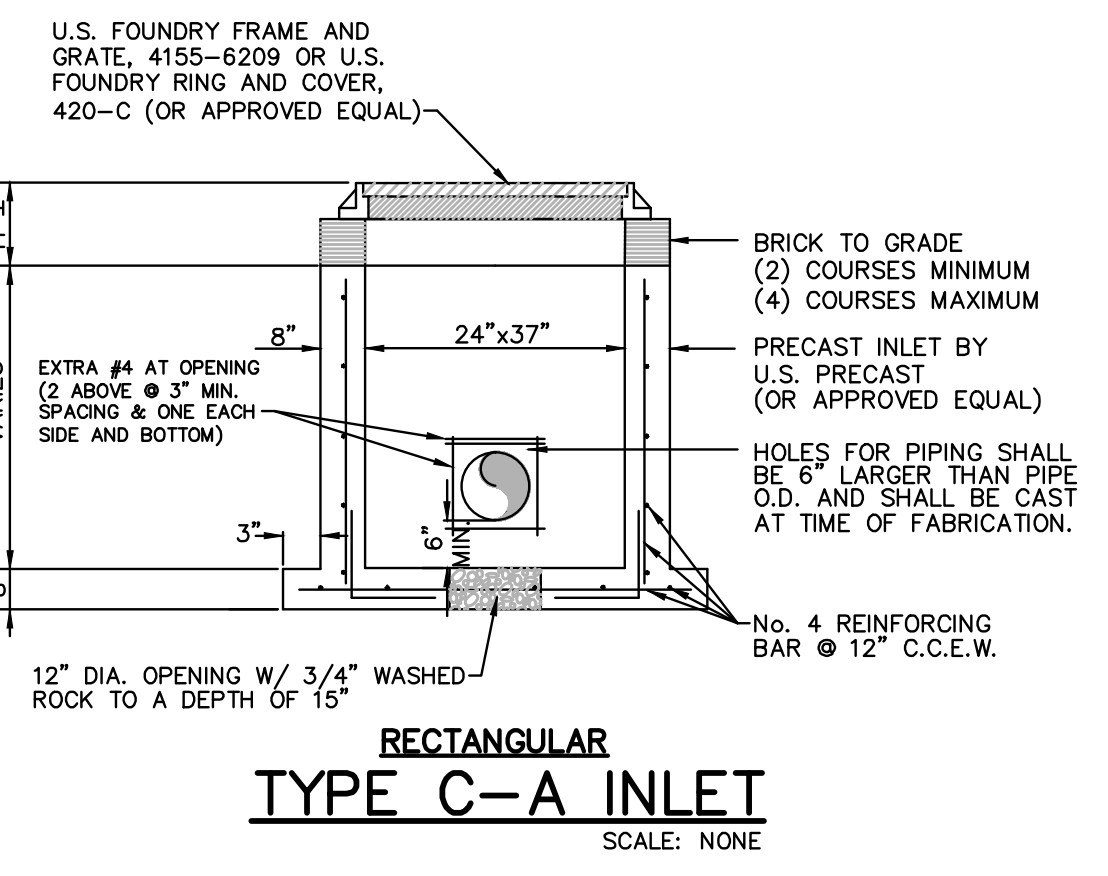


- NOTES:
1. ALL CONFLICT MAINTENANCE ACCESS STRUCTURES SHALL CONFORM TO THE DETAILS SHOWN ON THIS DRAWING, AND TO THE REQUIREMENTS OF ASTM C-478 AND CHAPTER 6, SECTION 6-1.13.3 OF BROWARD COUNTY ENGINEERING DIVISION'S "MINIMUM STANDARDS" DATED APRIL, 1995.
 2. POTABLE WATER PIPE SHALL NOT PASS THROUGH OR CONTACT SANITARY SEWER MAINTENANCE ACCESS STRUCTURE.
 3. TEMPORARY BYPASS SHALL BE UTILIZED TO MAINTAIN EXISTING SEWER FLOW DURING STRUCTURE INSTALLATION.

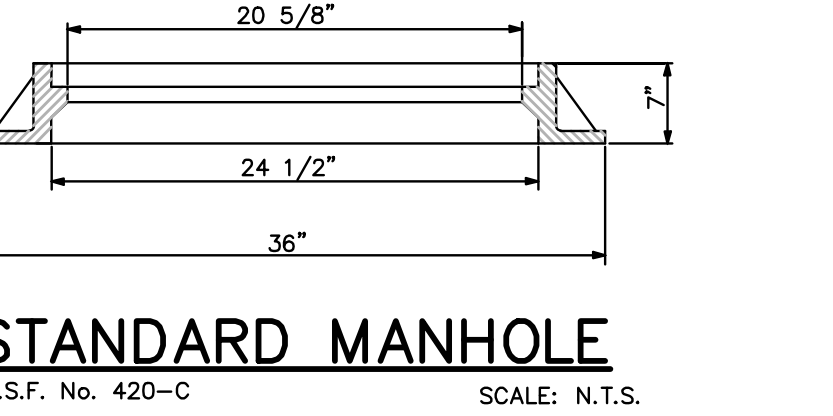
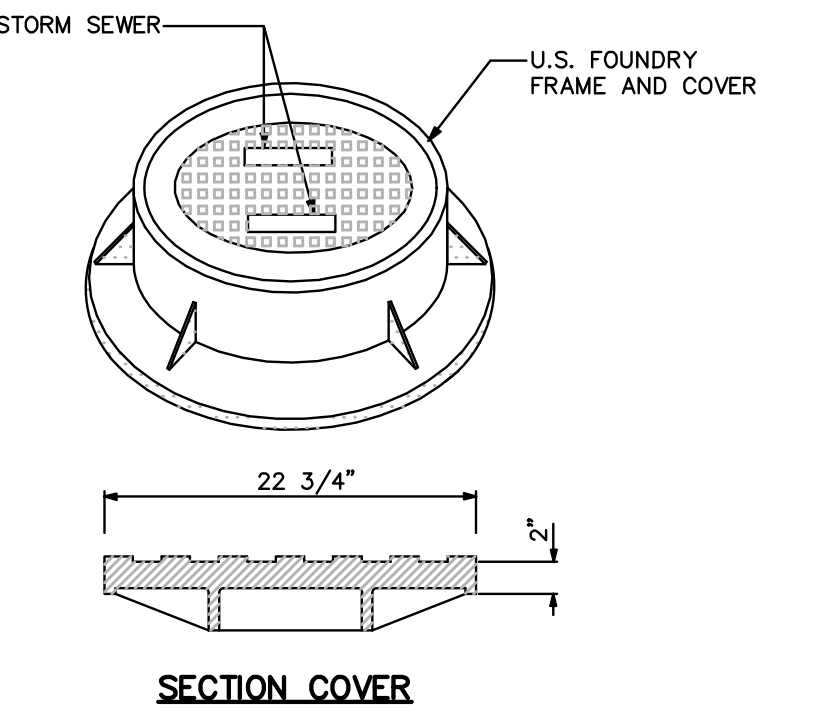
CONFLICT MAINTENANCE ACCESS STRUCTURE
SCALE: NONE



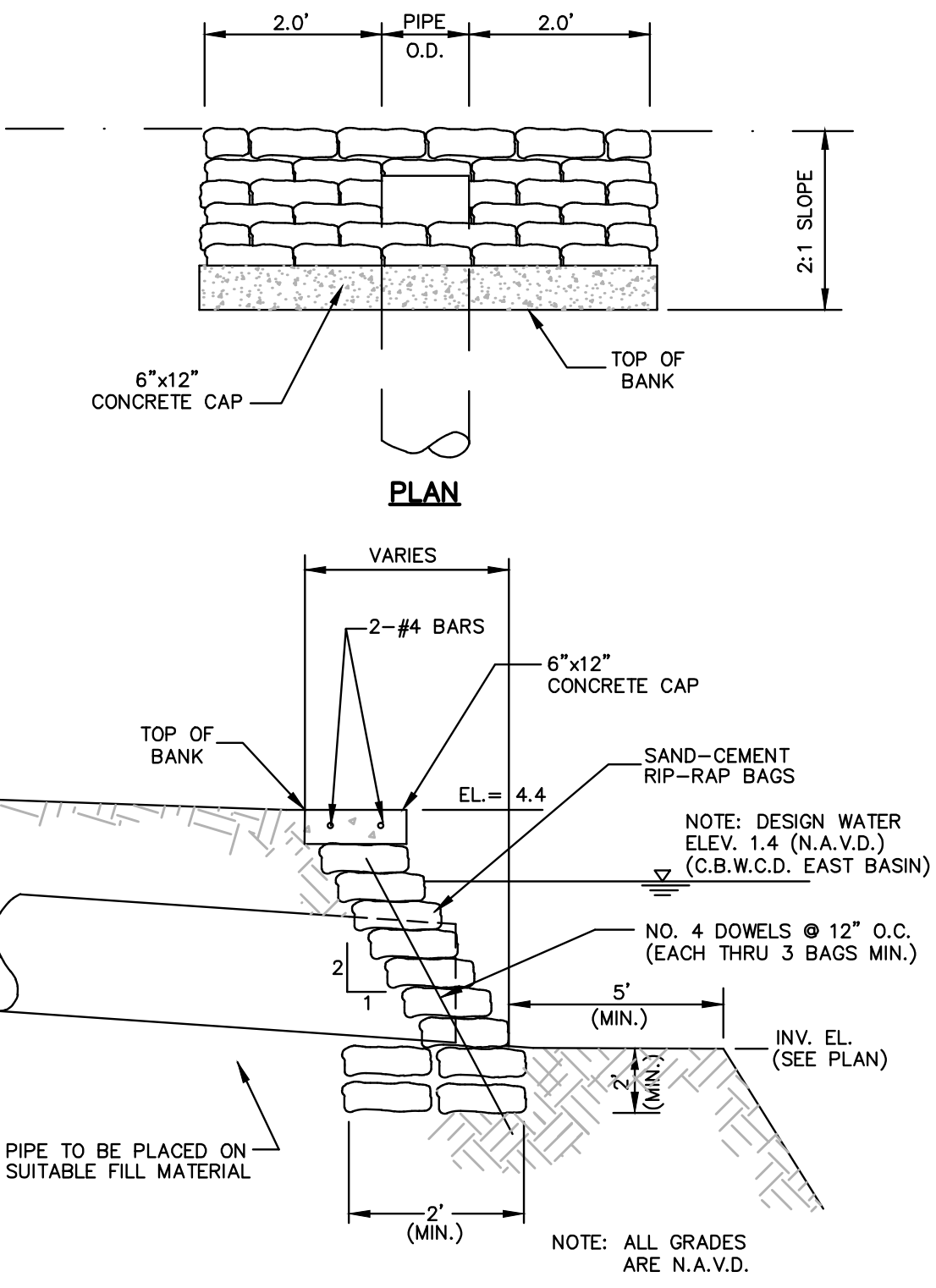
PRECAST CONCRETE-TOP SLAB
SCALE: NONE



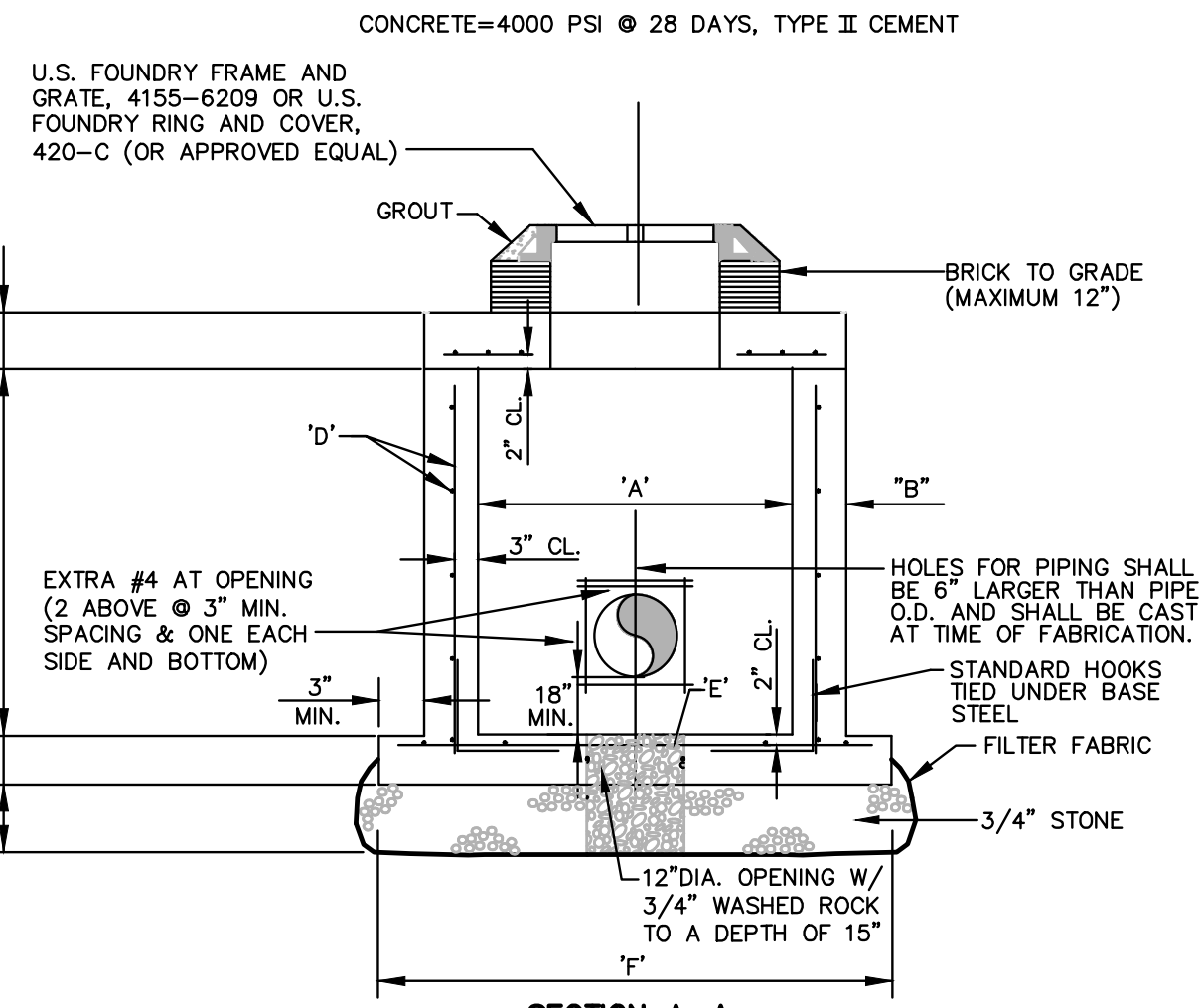
FRAME AND GRATE DETAIL
U.S.F. No. 4155-6212 SCALE: NONE



STANDARD MANHOLE
U.S.F. No. 420-C SCALE: N.T.S.

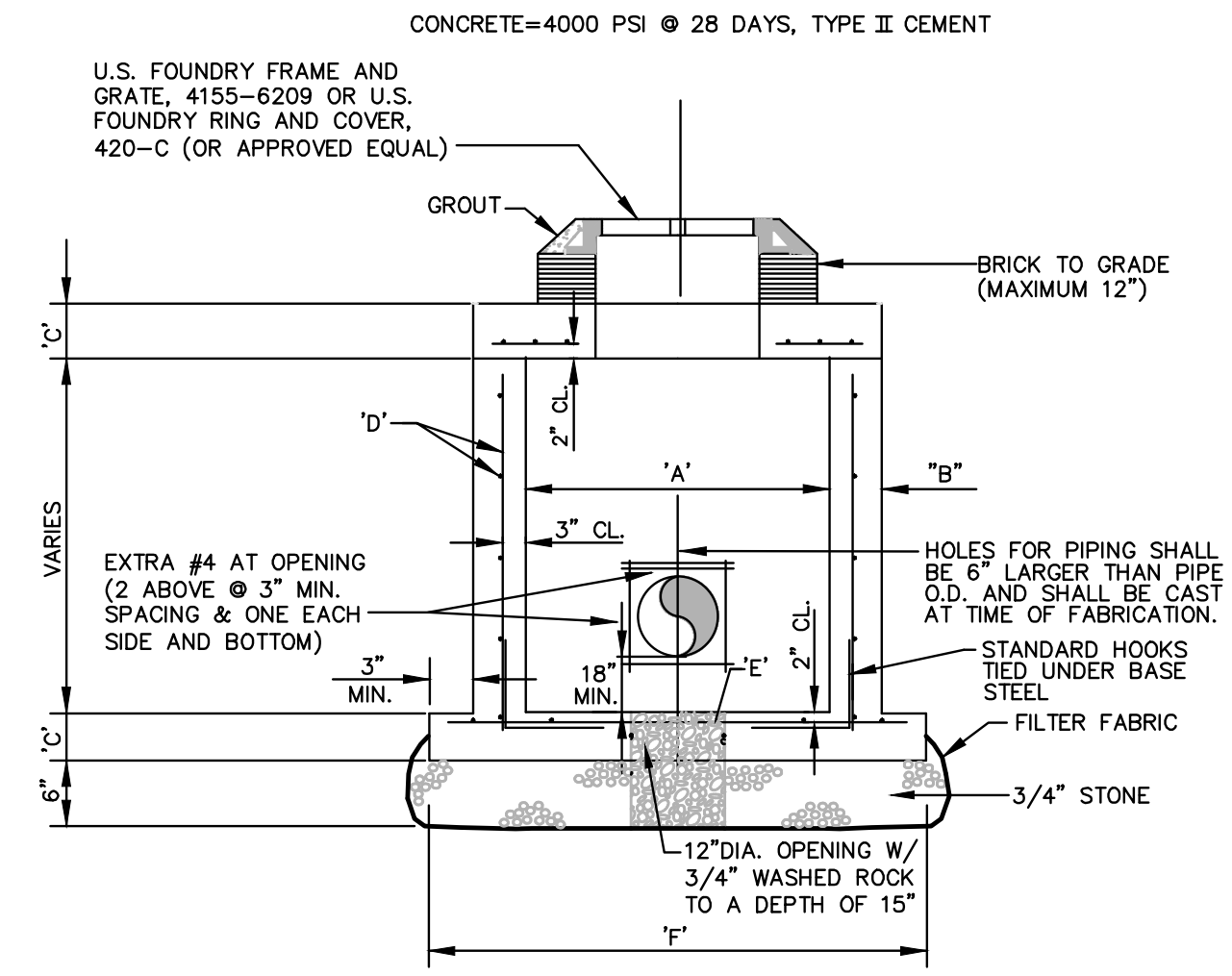


SECTION HEADWALL DETAIL
SCALE: NONE



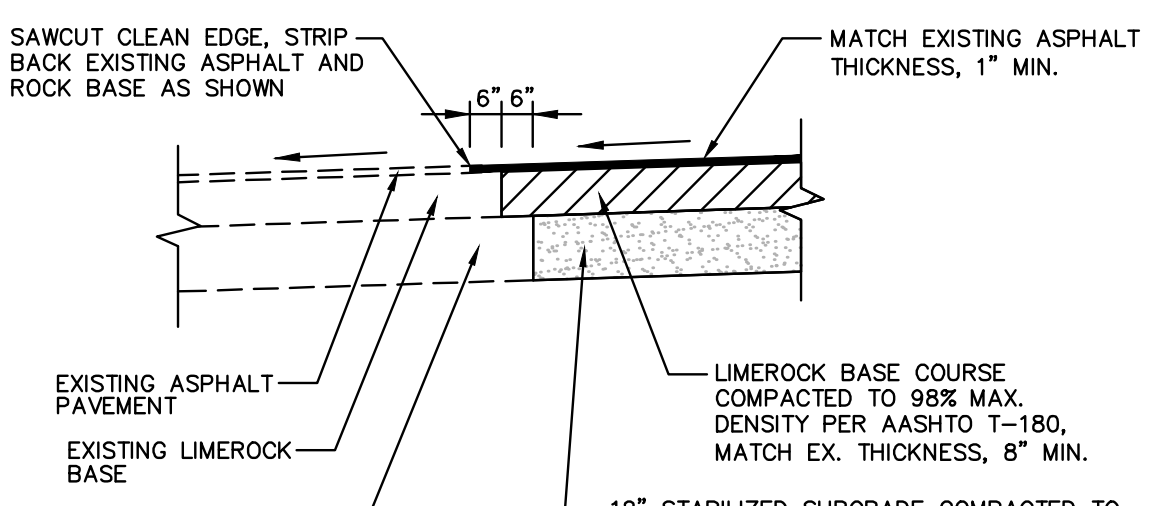
| TYPE | "A" | "B" | "C" | "D" | "E" | "F" |
|------|--------|---------|-------------------|-------------------|--------|-------------------|
| P | 3'-8" | 6' 8" | #4 @ 12" C.C.E.W. | #4 @ 12" C.C.E.W. | 4'-10" | #4 @ 12" C.C.E.W. |
| C-4 | 4'-0" | 8' 8" | #4 @ 12" C.C.E.W. | #4 @ 12" C.C.E.W. | 6'-4" | #4 @ 12" C.C.E.W. |
| C-5 | 5'-0" | 8' 8" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 7'-4" | #5 @ 12" C.C.E.W. |
| C-6 | 6'-0" | 8' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 8'-4" | #5 @ 12" C.C.E.W. |
| C-7 | 7'-0" | 8' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 9'-4" | #5 @ 12" C.C.E.W. |
| C-8 | 8'-0" | 8' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 10'-8" | #5 @ 12" C.C.E.W. |
| C-10 | 10'-0" | 10' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 12'-8" | #5 @ 12" C.C.E.W. |

PRECAST CIRCULAR DRAINAGE STRUCTURES
SCALE: NONE

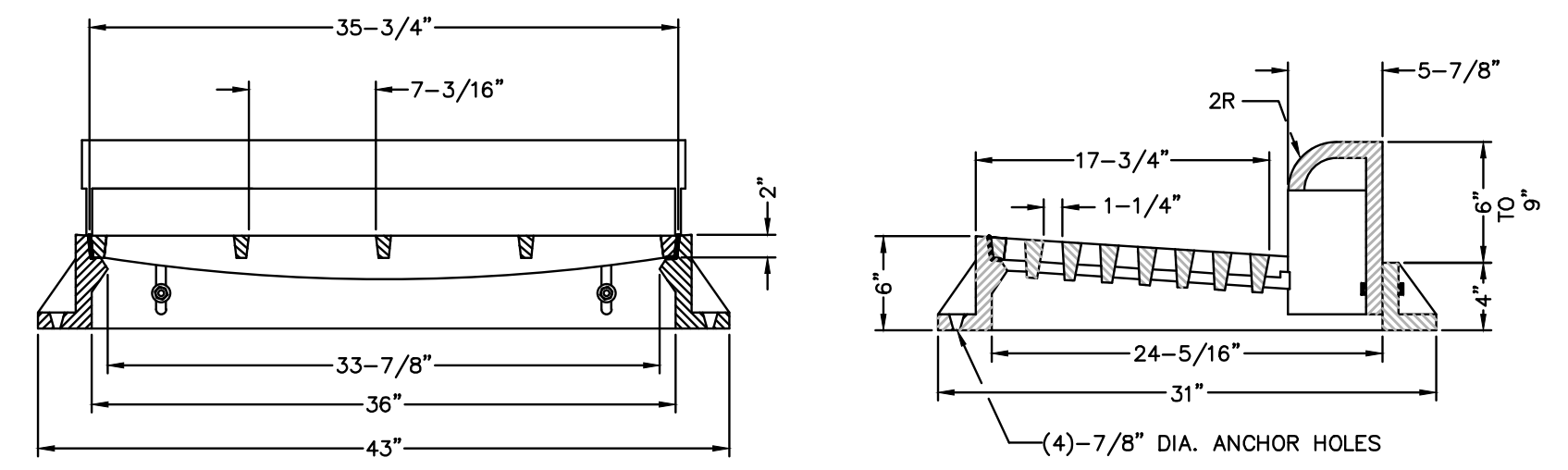


| TYPE | "A" | "B" | "C" | "D" | "E" | "F" |
|------|-------|---------|-------------------|-------------------|--------|-------------------|
| C-4 | 4'-0" | 8' 8" | #4 @ 12" C.C.E.W. | #4 @ 12" C.C.E.W. | 6'-4" | #4 @ 12" C.C.E.W. |
| C-5 | 5'-0" | 8' 8" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 7'-4" | #5 @ 12" C.C.E.W. |
| C-6 | 6'-0" | 8' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 8'-4" | #5 @ 12" C.C.E.W. |
| C-7 | 7'-0" | 8' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 9'-4" | #5 @ 12" C.C.E.W. |
| C-8 | 8'-0" | 10' 10" | #5 @ 12" C.C.E.W. | #5 @ 12" C.C.E.W. | 10'-8" | #5 @ 12" C.C.E.W. |

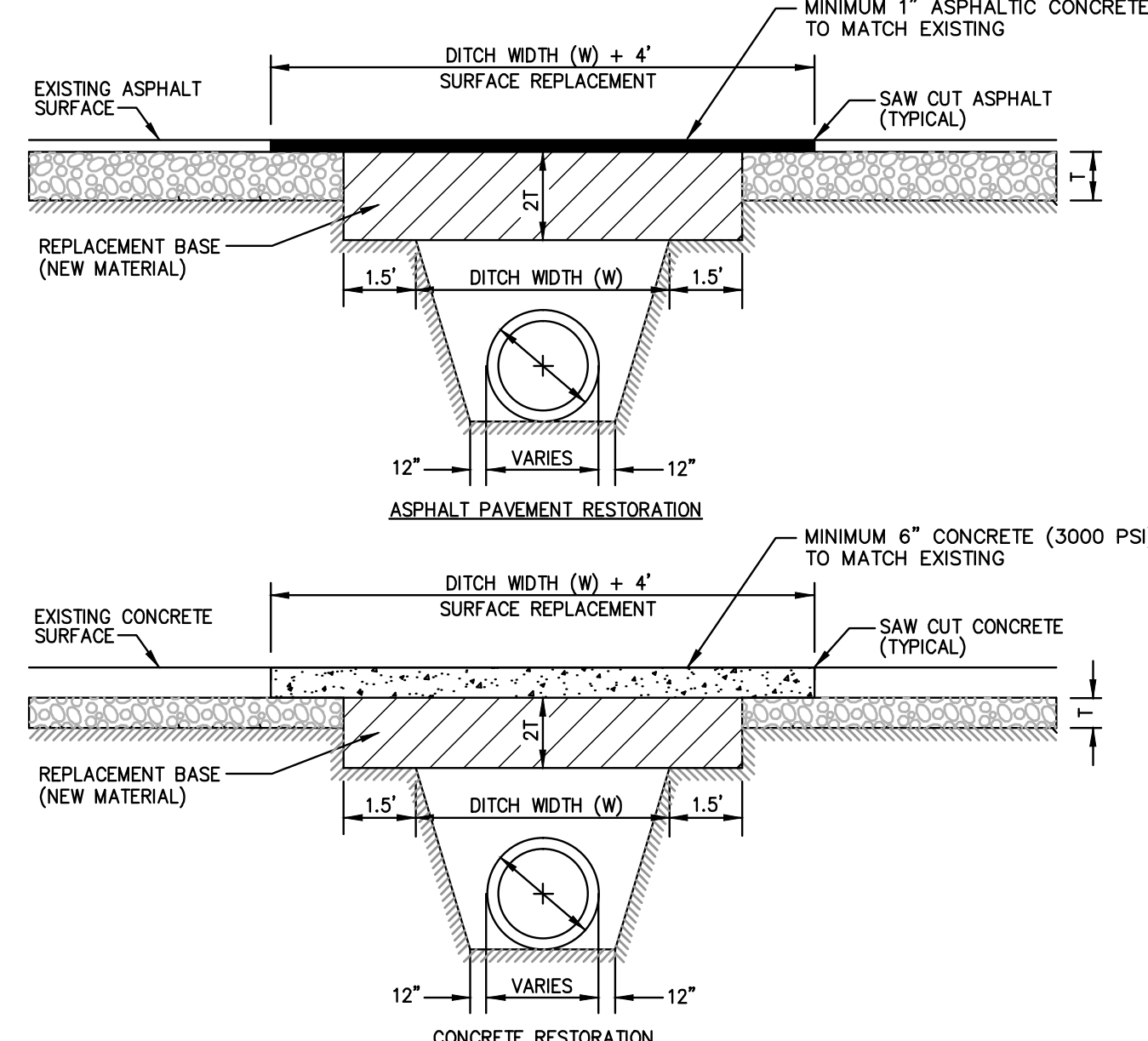
PRECAST SQUARE DRAINAGE STRUCTURES
SCALE: NONE



SAWCUT AND MATCH DETAIL
SCALE: N.T.S.

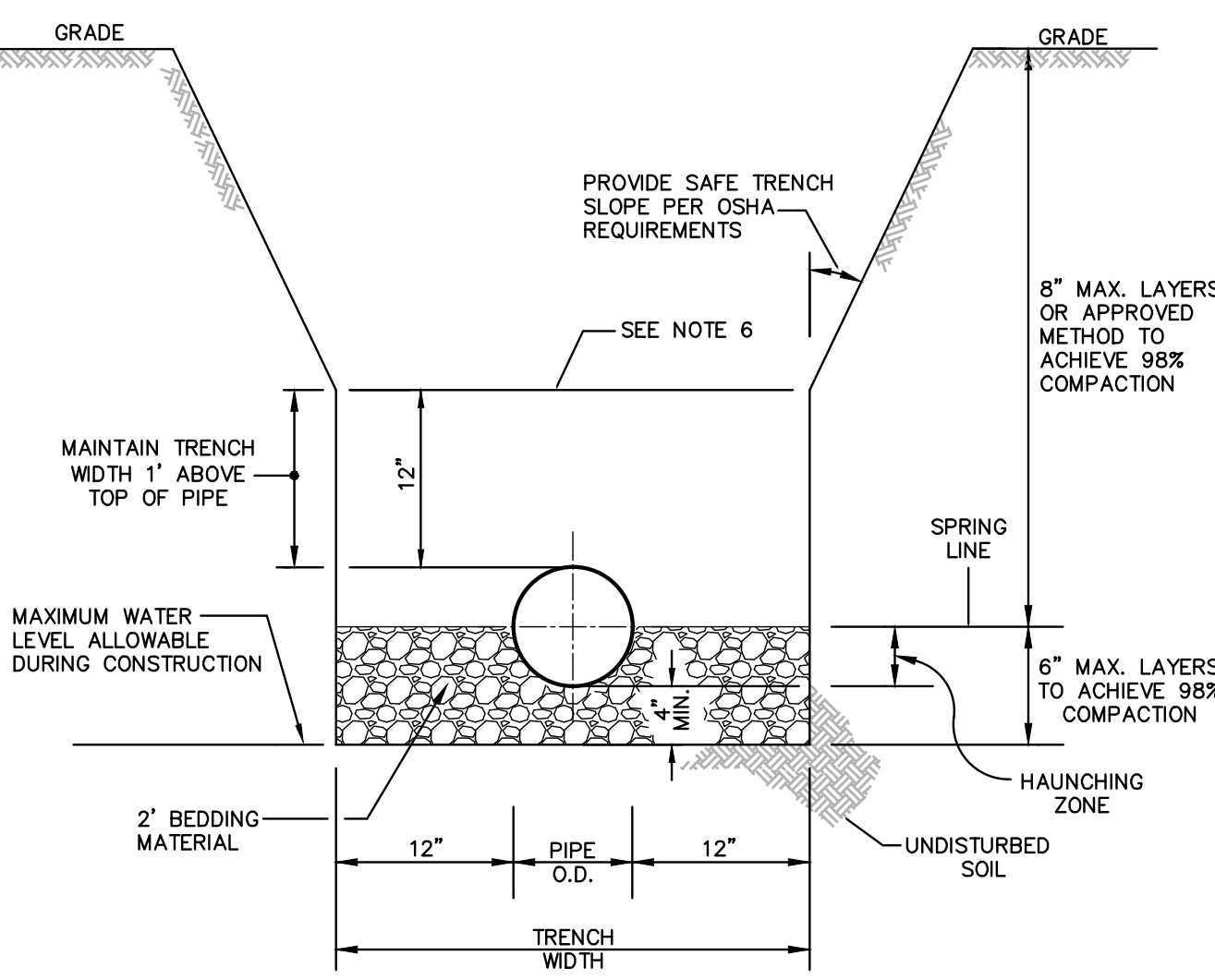


USF 5130 CURB & GUTTER INLET FRAME, HOOD AND GRATE SERIES
SCALE: NONE



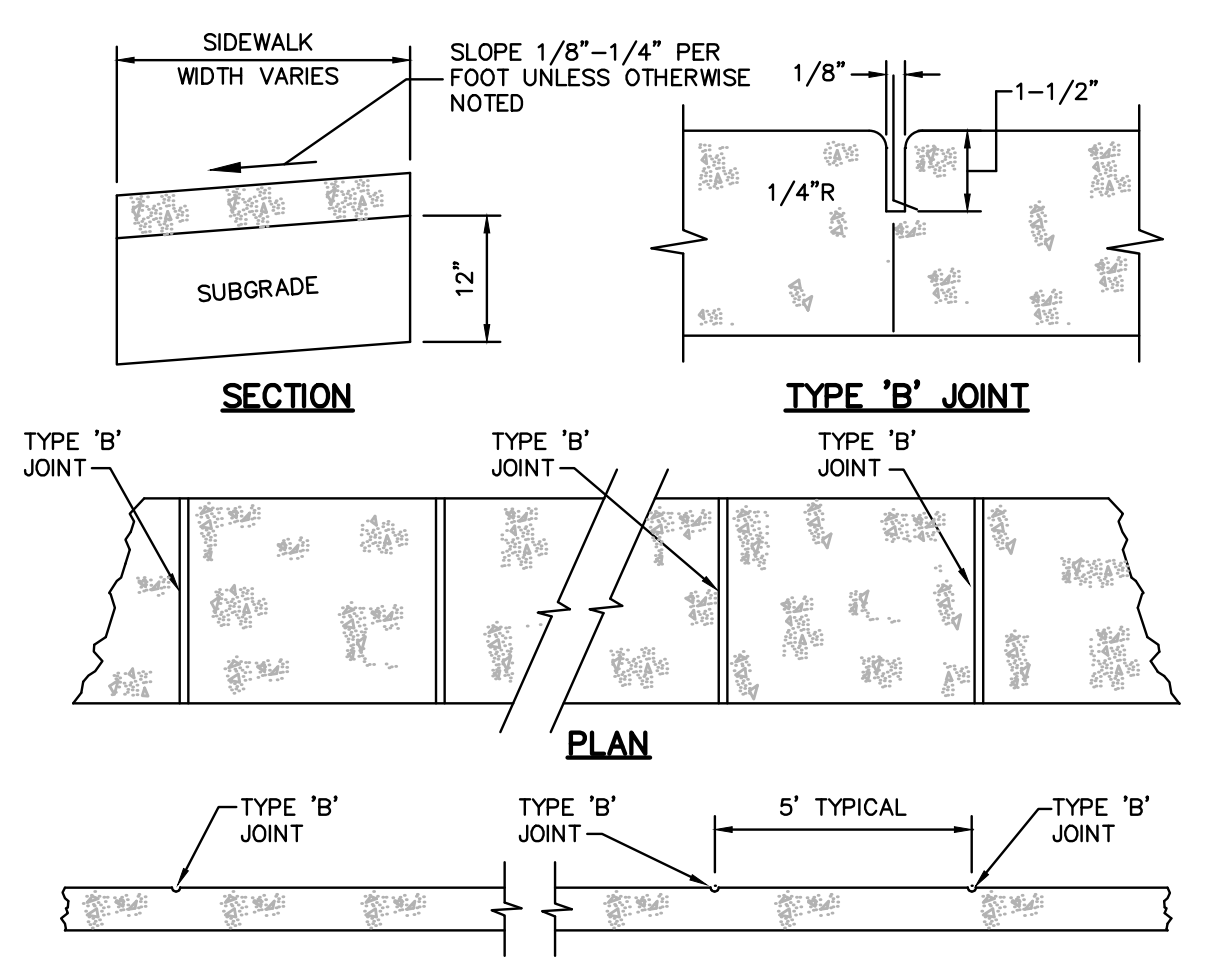
- NOTES:
1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE (MINIMUM 12", MAXIMUM 18").
 2. BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% MAXIMUM DENSITY, PER AASHTO T-180.
 3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
 4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
 5. SURFACE MATERIAL SHALL BE CONSISTENT WITH EXISTING SURFACE.
 6. A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUBGRADE AND EACH LIFT OF BASE MATERIAL AT EACH OPEN-CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6 1/2) INCHES, THE BASE SHALL BE CONSTRUCTED IN TWO OR MORE COURSES. PROCTORS FOR MATERIALS USED IN BACKFILLING AND DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY SELECTED BY THE COUNTY. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLA. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND OR B.C.H.C.E.D. "MINIMUM STANDARDS" IN COUNTY R/W'S AT THE TIME THE PERMIT IS ISSUED. ALL DENSITY TESTS SHALL BE COMPLETED AND ACCEPTED ON EACH LAYER PRIOR TO ADDITIONAL BACKFILLING. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO THE B.C.H.C.E.D. OR TO THE FLA. DEPARTMENT OF TRANSPORTATION UPON REQUEST.
 7. BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (60% FOR LOCAL STREETS).
 8. IF THE DITCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL PLACED WITH A PERMANENT PATCH.
 9. TRENCHES DEEPER THAN FIVE FEET (5') MUST COMPLY WITH CURRENT O.S.H.A. SHORING/BRACING REQUIREMENTS.

PAVEMENT OR CONCRETE RESTORATION FOR UTILITY CROSSING OF ROADWAY
SCALE: NONE



- NOTES:
1. WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
 2. BEDDING MATERIAL SHALL CONSIST OF WELL GRADED ASTM C33 #7 ROCK (3/4" TO No.4) AND BE PLACED TO SPRING LINE OF PIPE.
 3. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.
 4. REFER TO SPECIFICATIONS FOR EXCAVATION IN MUCK OR OTHER UNSUITABLE MATERIAL.
 5. COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180.
 6. MECHANICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL (WITHIN 12" OF TOP OF PIPE).
 7. THOROUGHLY WORK IN AND TAMP THE HAUNCHING MATERIAL BEFORE PLACING AND COMPACTING REMAINDER OF BACKFILL.

TRENCH DETAIL
SCALE: NONE



- NOTES:
1. SIDEWALK SHALL BE 6" THICK.
 2. SUBGRADE BELOW SIDEWALK SHALL BE A MIN. L.B.R. 40 COMPACTED TO 98% OF MAX. DENSITY PER A.A.S.H.T.O. T-180.
 3. CONCRETE STRENGTH SHALL BE MIN. 3000 PSI @ 28 DAYS.

TABLE OF SIDEWALK JOINTS

| TYPE | LOCATION |
|------|---------------------------------------|
| 'B' | 5 FEET CENTER TO CENTER ON SIDEWALKS. |

SIDEWALK DETAILS
SCALE: N.T.S.

| DATE: | SCALE: | DESIGN BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
|---------------------------------|--------|------------|-----------|-------------|--------------|
| 1/17 | NONE | MRN | MRN | MRN | PJC |
| REVISION PER TOWN ENG. COMMENTS | MRN | 12/17/12 | MRN | 11/30/12 | DATE: |
| REVISION PER TOWN ENG. COMMENTS | MRN | 11/30/12 | MRN | 11/30/12 | DATE: |

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ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6400 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 00014
MATERIAL SHOWN HEREIN IS THE PROPERTY OF CRAVEN THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
PAVING AND DRAINAGE DETAILS

Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-11
SHEET 14 OF 18

N:\davega\proj\PROJECTS\2009\09-0056-Westside\CURRENT\09-0056-PGD.dwg [C-11-PGD] Jan 30, 2017 1:47pm MNOVACK



LED Rectangular Rapid-Flash Beacon (RRFB)
Increased conspicuity for Pedestrian Crossings and School Zone Crossings



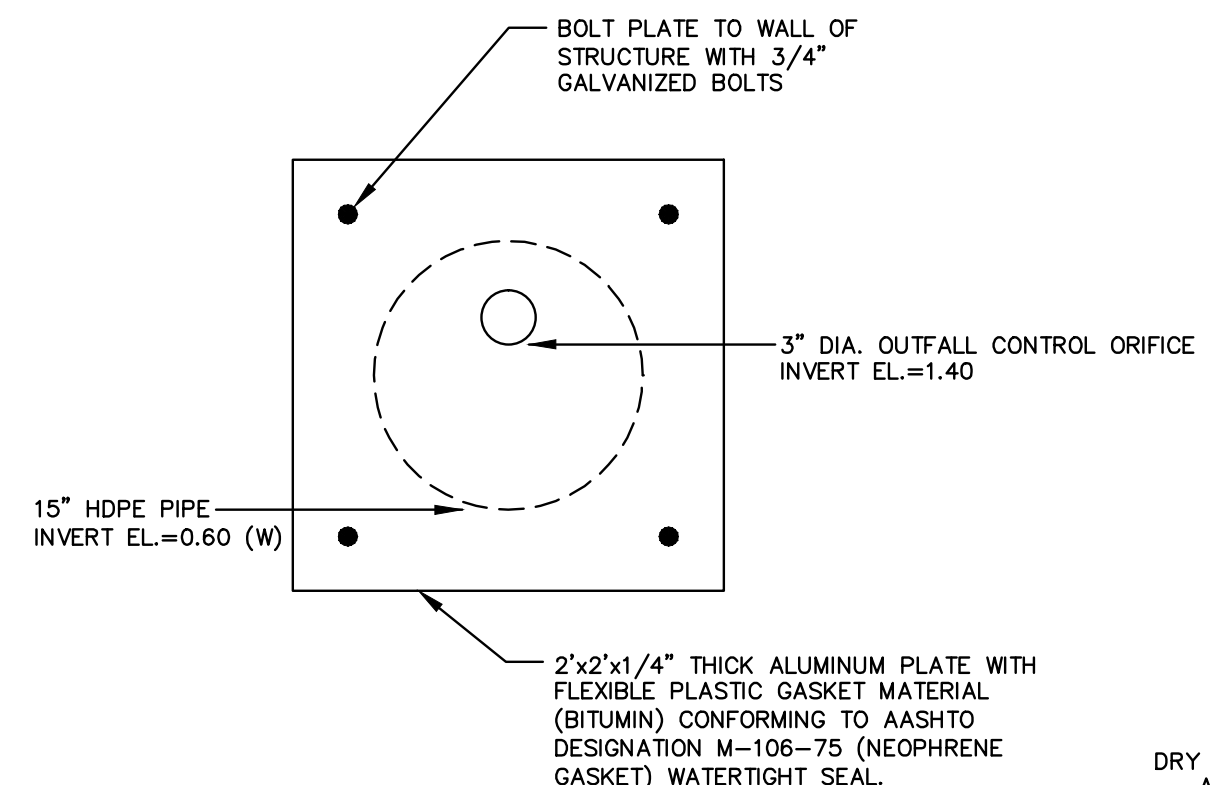
- Increases driver yielding rates
- More effective than round beacons
- Solar = Zero operating costs
- No maintenance required
- Clean, uncomplicated installation
- LED Indicators for pedestrians
- Retractable from round beacons
- BlinkSync™ wireless synchronization
- Pedestrian activated
- Day-Viz™ Automatic LED Brightness

RRFB studies show a dramatic increase of driver compliance in yielding to pedestrians at high-risk uncontrolled crossings. Research shows that RRFBs produce the highest yielding rate of all devices that do not feature a red display, higher rates than a regular round beacon, and at a lower cost than other devices that produce similar yielding rates. RRFB feature multiple arrays of brilliant LEDs that, when activated, flash a warning in a specified, alternating 'wig-wag' pattern, thereby commanding the attention of drivers by Day and Night. Additional side-mounted LED arrays flash concurrently to let pedestrians know that the unit is flashing. Optional self-powered remote push-button activation available.

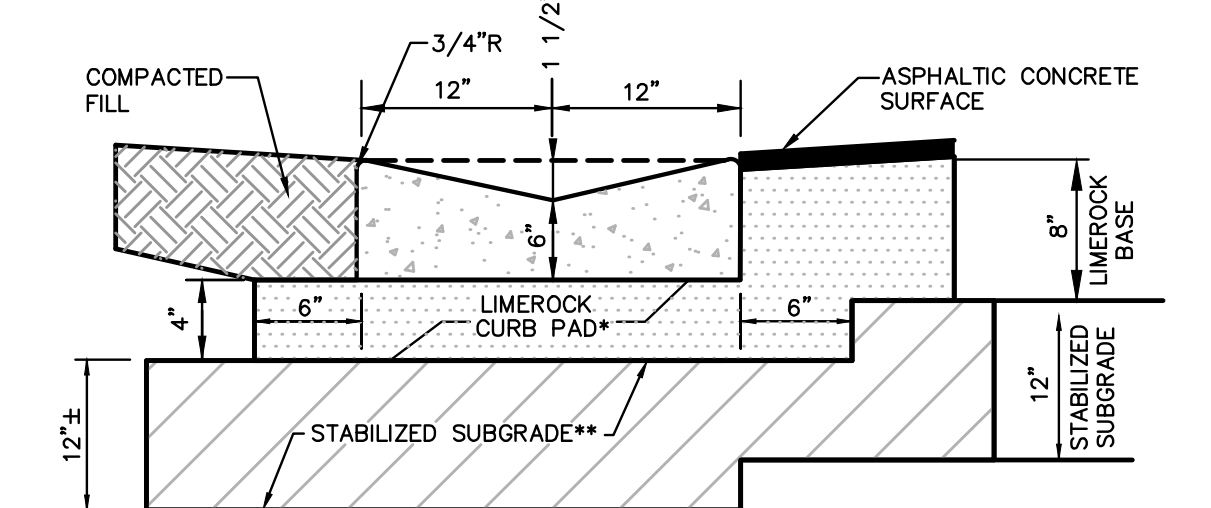
TAPCO's RRFB feature aimable LEDs in a sturdy, lockable housing with a closed top and bottom, and no exposed wiring. See reverse for specifications.



RECTANGULAR RAPID - FLASH BEACON (RRFB)



OUTFALL CONTROL ORIFICE DETAIL
STRUCTURE #2A SCALE: NONE

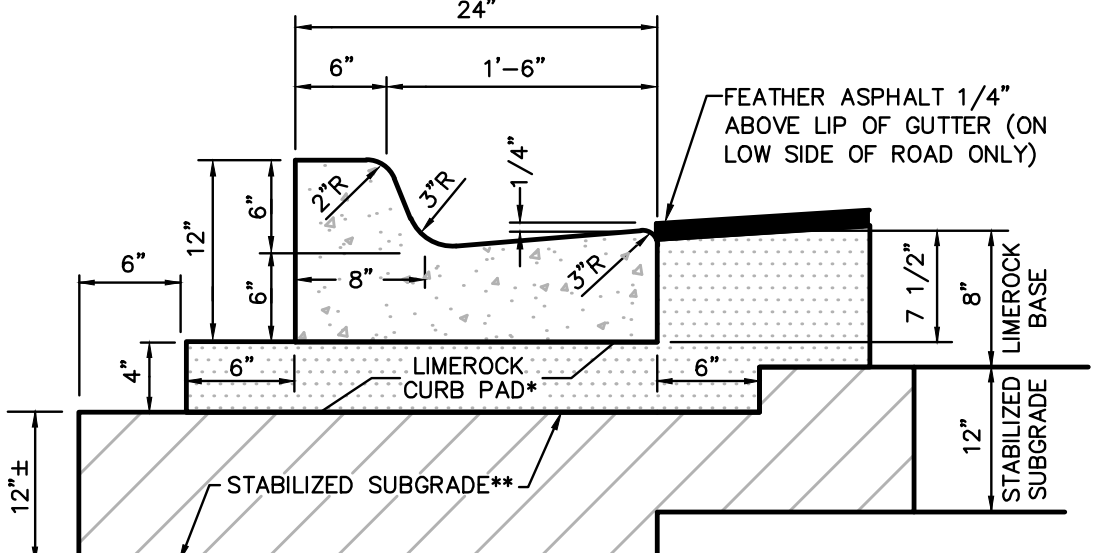


REFER TO FDOT INDEX 300 FOR NOTES AND DETAILS

* 4" LIME ROCK BASE COURSE PLACED IN A SINGLE LAYER AND COMPACTED TO 98% OF MAXIMUM DENSITY PER A.A.S.H.T.O. T-180 WITH A MINIMUM LBR OF 100. BASE COURSE SHALL BE CRUSHED LIMEROCK, MIAMI OOLITE WITH A MINIMUM OF 60% CARBONATES OF CALCIUM AND MAGNESIUM.

** 12" STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 100% OF THE MAXIMUM DENSITY AS PER A.A.S.H.T.O. T-99C WITH A MINIMUM LBR OF 40.

VALLEY GUTTER
N.T.S.



NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6" INSTEAD OF 7 1/2".

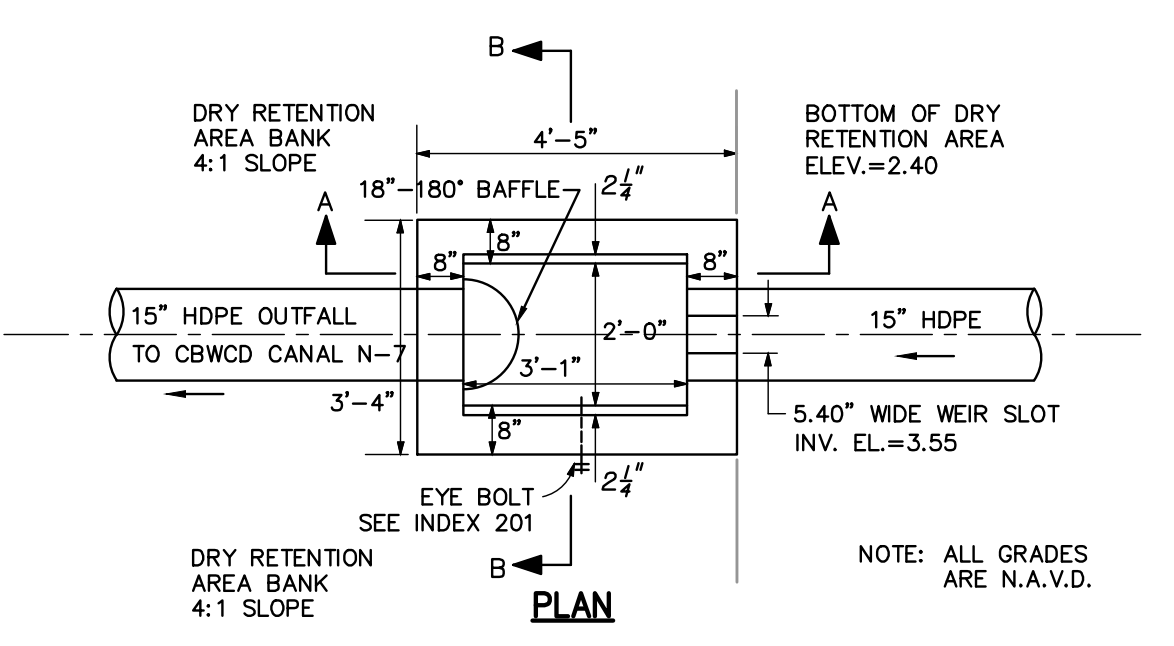
* 4" LIME ROCK BASE COURSE PLACED IN A SINGLE LAYER AND COMPACTED TO 98% OF MAXIMUM DENSITY PER A.A.S.H.T.O. T-180 WITH A MINIMUM LBR OF 100. BASE COURSE SHALL BE CRUSHED LIMEROCK, MIAMI OOLITE WITH A MINIMUM OF 60% CARBONATES OF CALCIUM AND MAGNESIUM.

** 12" STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 100% OF THE MAXIMUM DENSITY AS PER A.A.S.H.T.O. T-99C WITH A MINIMUM LBR OF 40.

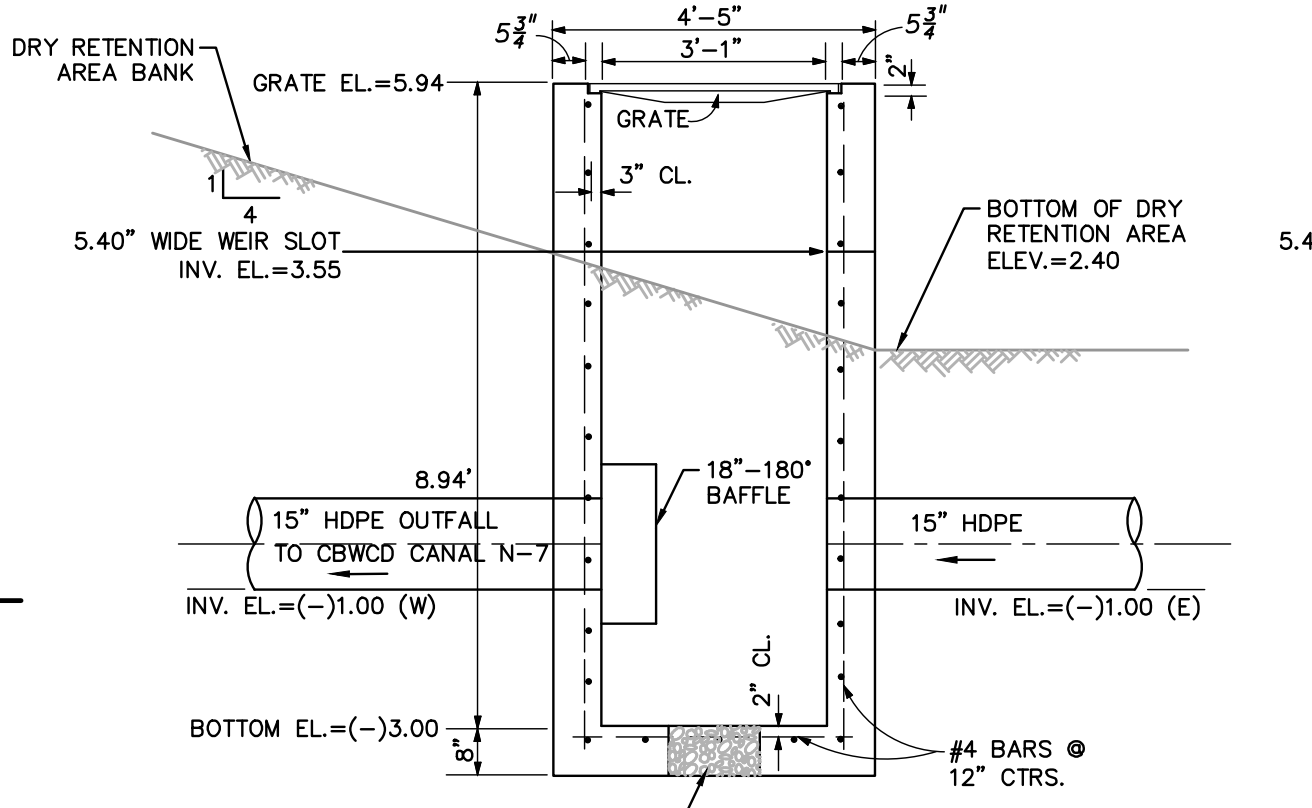
TYPE "D" CONCRETE CURB
SCALE: NONE



TYPE "F" CURB & GUTTER
N.T.S.



STEEL GRATE

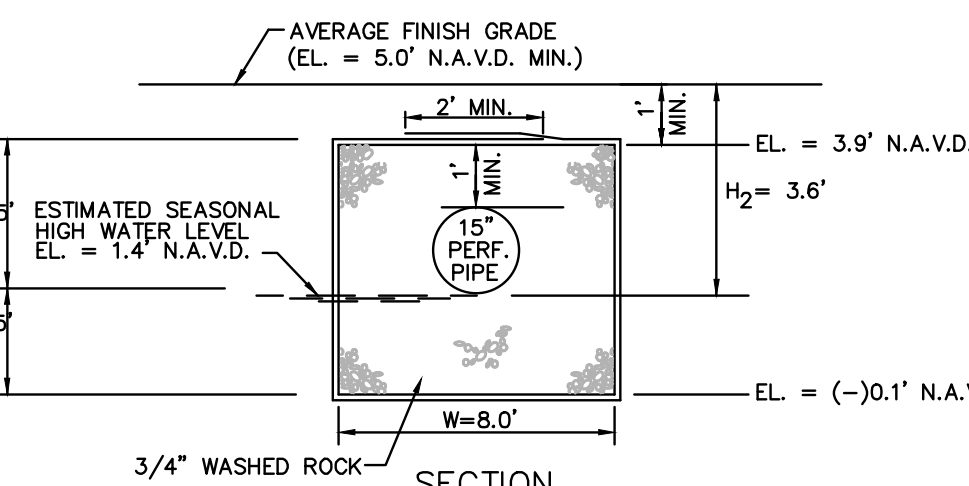
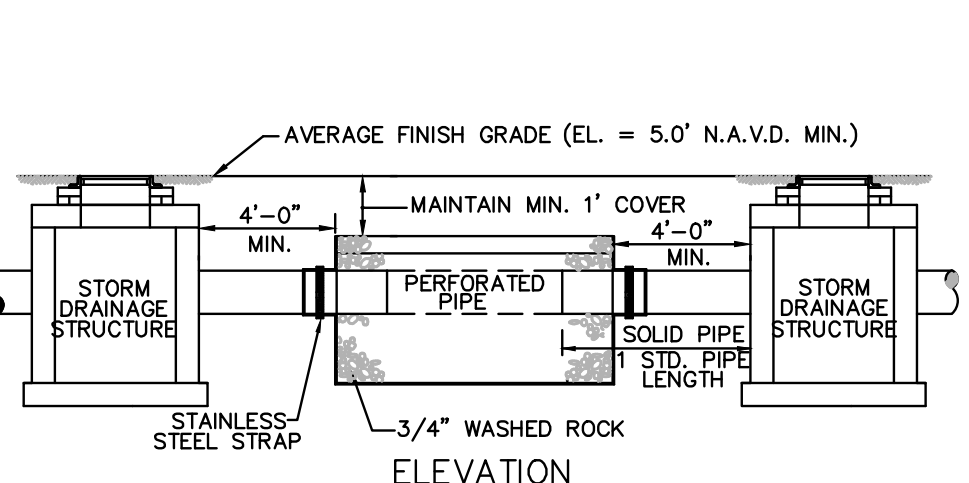


| WALL DEPTH | SCHEDULE | AREA (IN ² /FT) | MAX. SPACING |
|------------|----------|----------------------------|--------------|
| 0'-15' | A12 | 0.20 | 12" 8" |

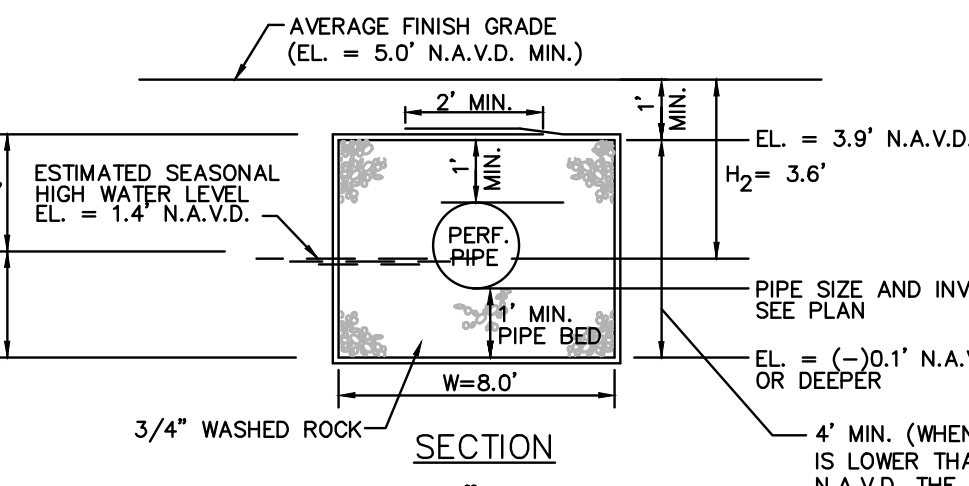
HORIZONTAL WALL REINFORCING SCHEDULE

PER FDOT INDEX #232

CONTROL STRUCTURE FDOT TYPE C INLET
STRUCTURE #1 SCALE: NONE

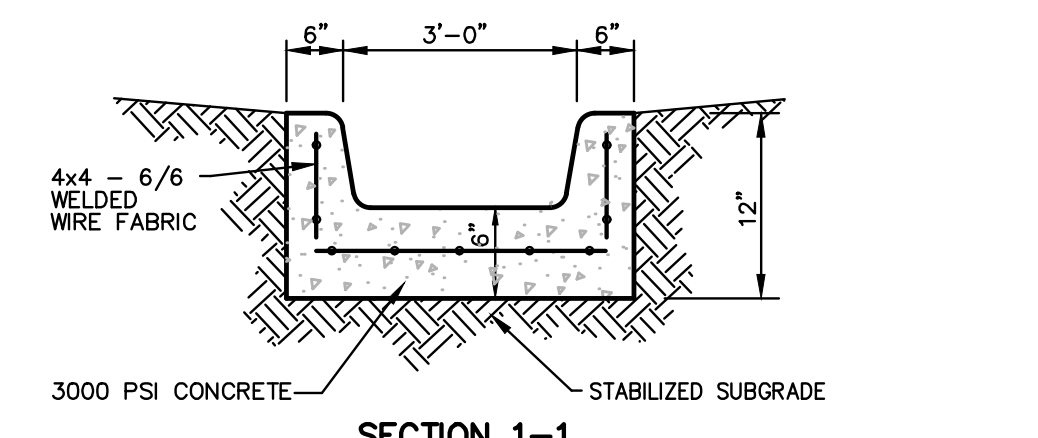


TRENCH FOR 15" PIPE (SEE PLAN FOR LOCATIONS)

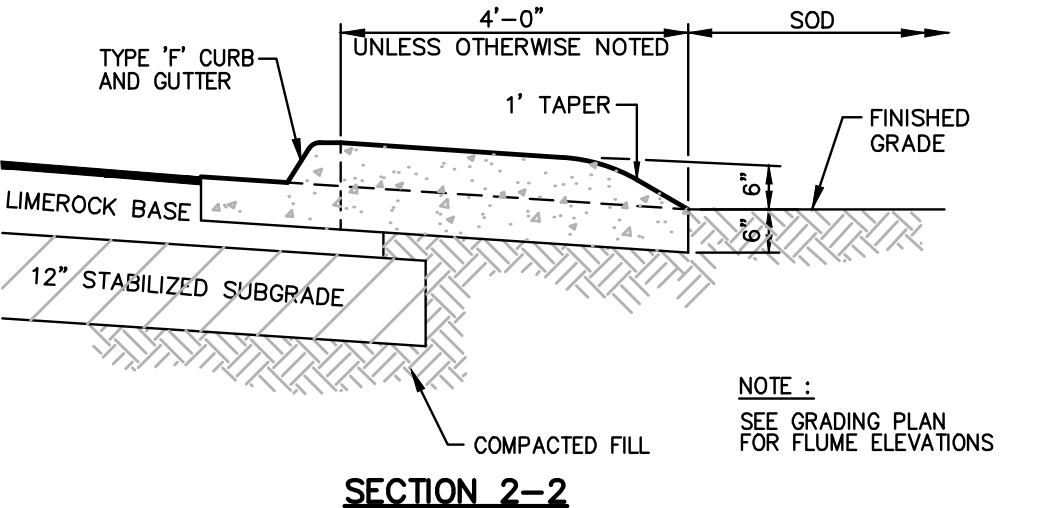


- NOTES:
- PIPES SHALL CONNECT TO ADDITIONAL CATCH BASINS AS REQUIRED.
 - BALLAST ROCK SHALL BE FROM FRESH WATER WASHED FREE OF DELETERIOUS MATTER.
 - TRENCH TO BE LINED WITH AMOCO PROPEX 4545 OR APPROVED EQUIVALENT TYPE FILTER FABRIC. OVERLAP TRENCH LINING MATERIAL A MINIMUM OF 2" AT TOP OF TRENCH. CLOSE ENDS AND STRAP AROUND PIPE. (FABRIC WRAPPED AT TOP AND SIDES ONLY).
 - BIO-BARRIER SHALL BE INSTALLED ADJACENT TO EXFILTRATION TRENCH WHEN EXISTING OR PROPOSED TREES ARE LOCATED WITHIN 10.0' OF CENTERLINE OF PIPE. INSTALLATION OF BIO-BARRIER SHALL BE IN ACCORDANCE WITH BIO-BARRIER DETAIL (SEE LANDSCAPE DRAWING DETAILS).

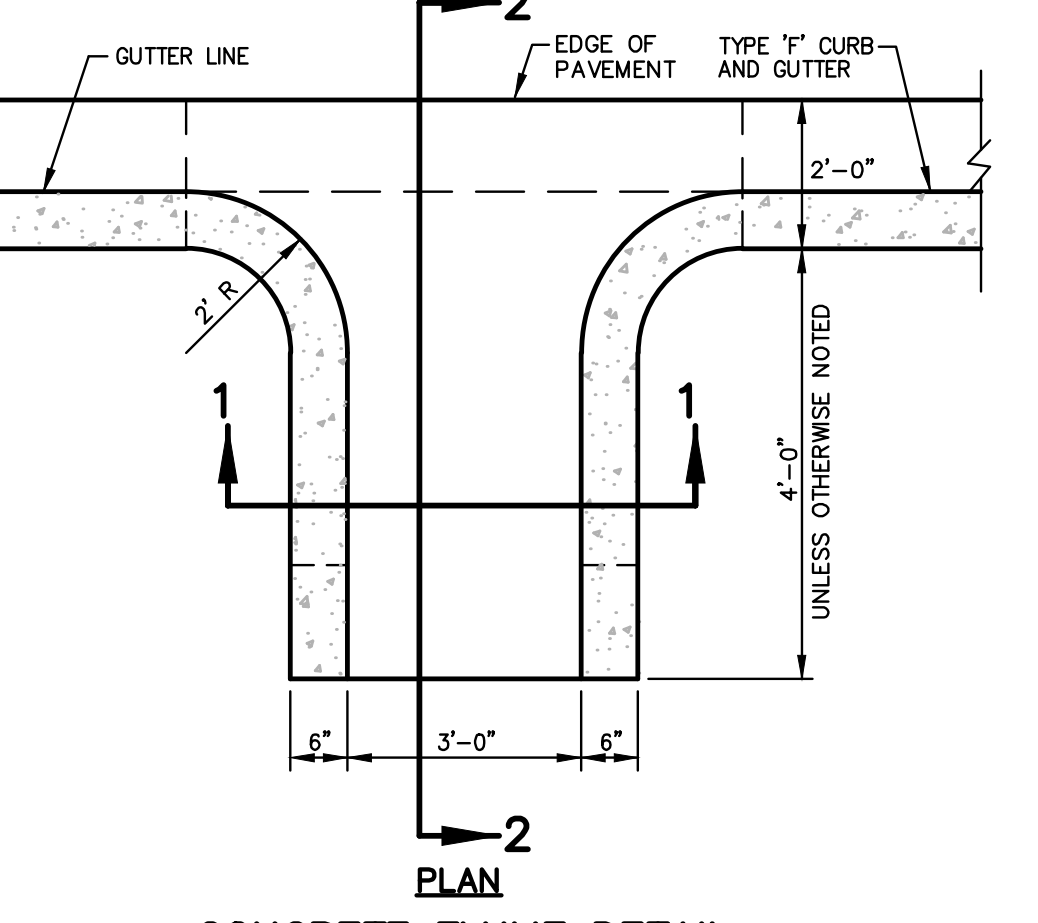
EXFILTRATION TRENCH DETAIL
SCALE: NONE



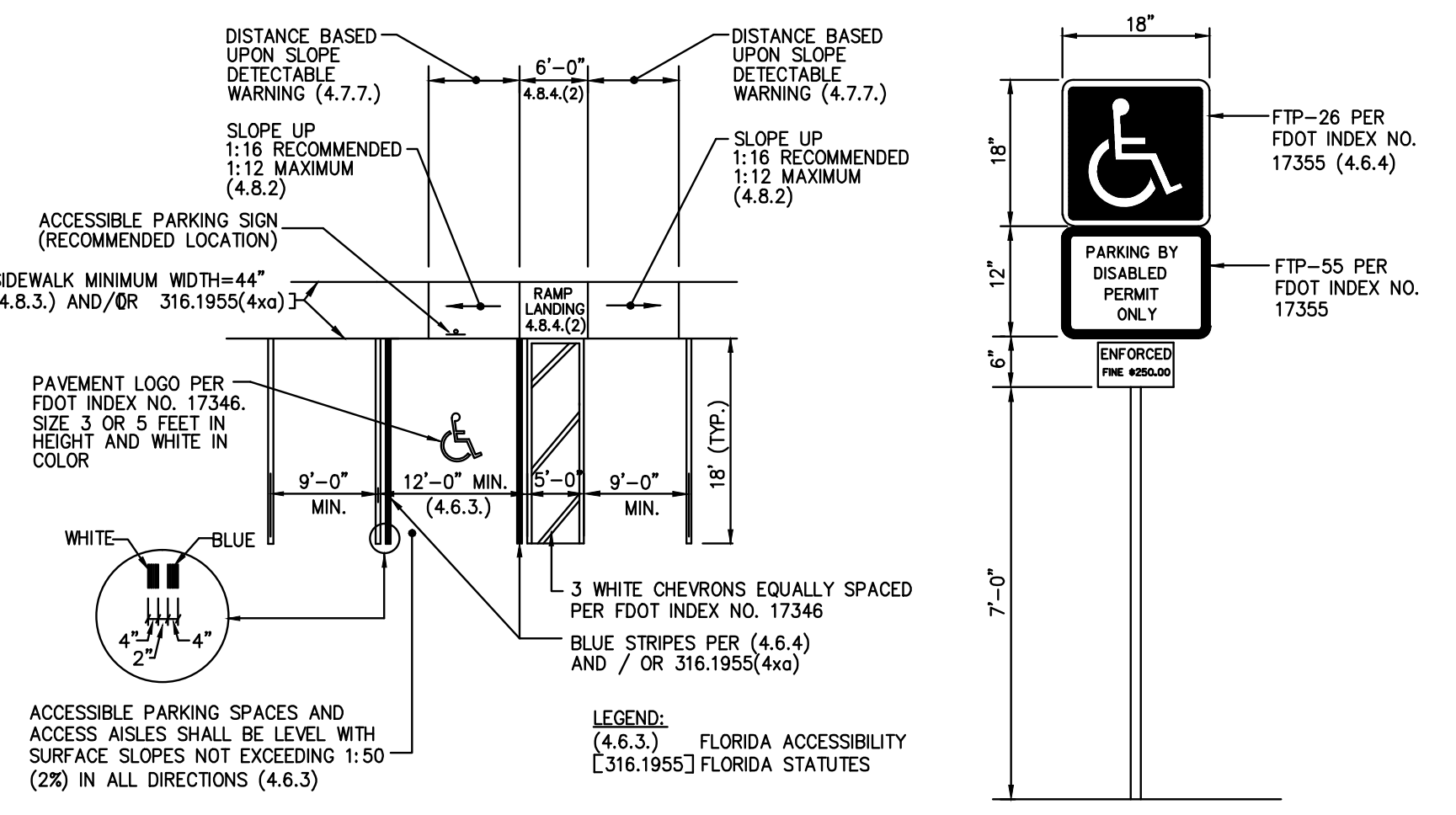
SECTION 1-1



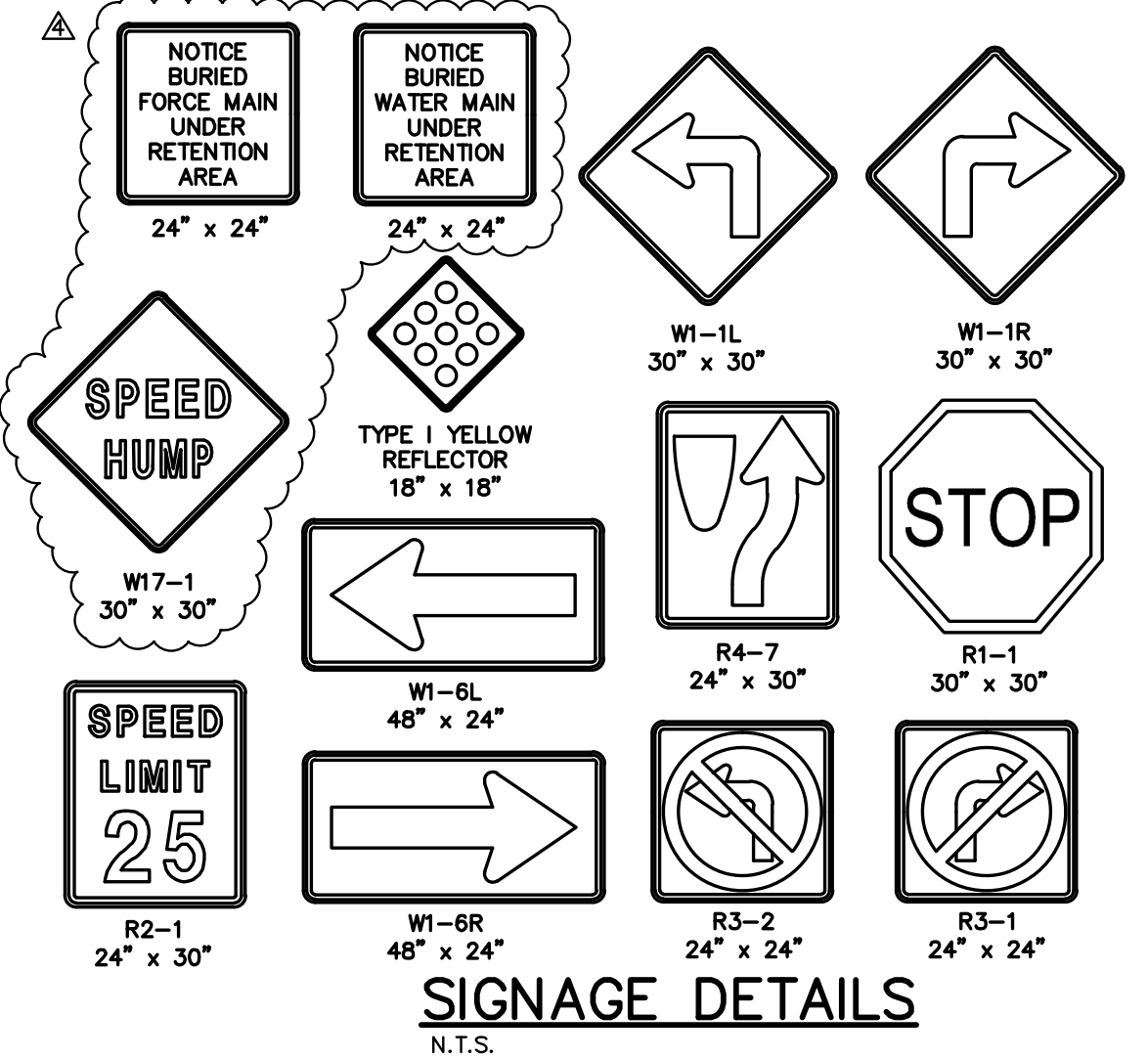
SECTION 2-2



CONCRETE FLUME DETAIL
SCALE: NONE



ACCESSIBLE PARKING SPACE COMPLYING WITH FLORIDA AND ADA REQUIREMENTS
N.T.S.



PERMIT SET MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

NOTICE INSPECTION REQUIRED 24 HOURS PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION

NOTE: APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION IN THE PUBLIC RIGHT-OF-WAY

BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

| | | | | | |
|----------|--------|------------|-----------|-------------|--------------|
| DATE: | SCALE: | DESIGN BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
| 1/17 | NONE | MRN | MRN | MRN | MRN |
| DATE: | SCALE: | DESIGN BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
| 9/27/16 | MRN | MRN | MRN | MRN | MRN |
| DATE: | SCALE: | DESIGN BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
| 12/17/12 | MRN | MRN | MRN | MRN | MRN |
| DATE: | SCALE: | DESIGN BY: | DRAWN BY: | CHECKED BY: | APPROVED BY: |
| 11/20/12 | MRN | MRN | MRN | MRN | MRN |

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FAX: (954) 739-6409 TEL: (954) 739-6400
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FLORIDA LICENSED LANDSCAPE ARCHITECTURE, BUSINESS NO. 000914
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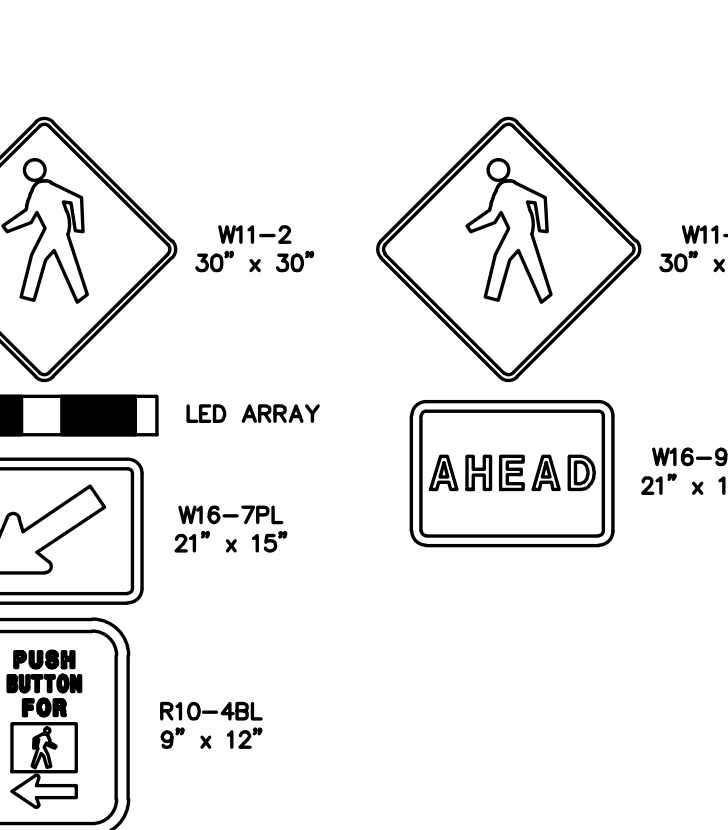


WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
DAVIE COMMUNITY REDEVELOPMENT AGENCY
PREPARED FOR:
PAVING AND DRAINAGE DETAILS

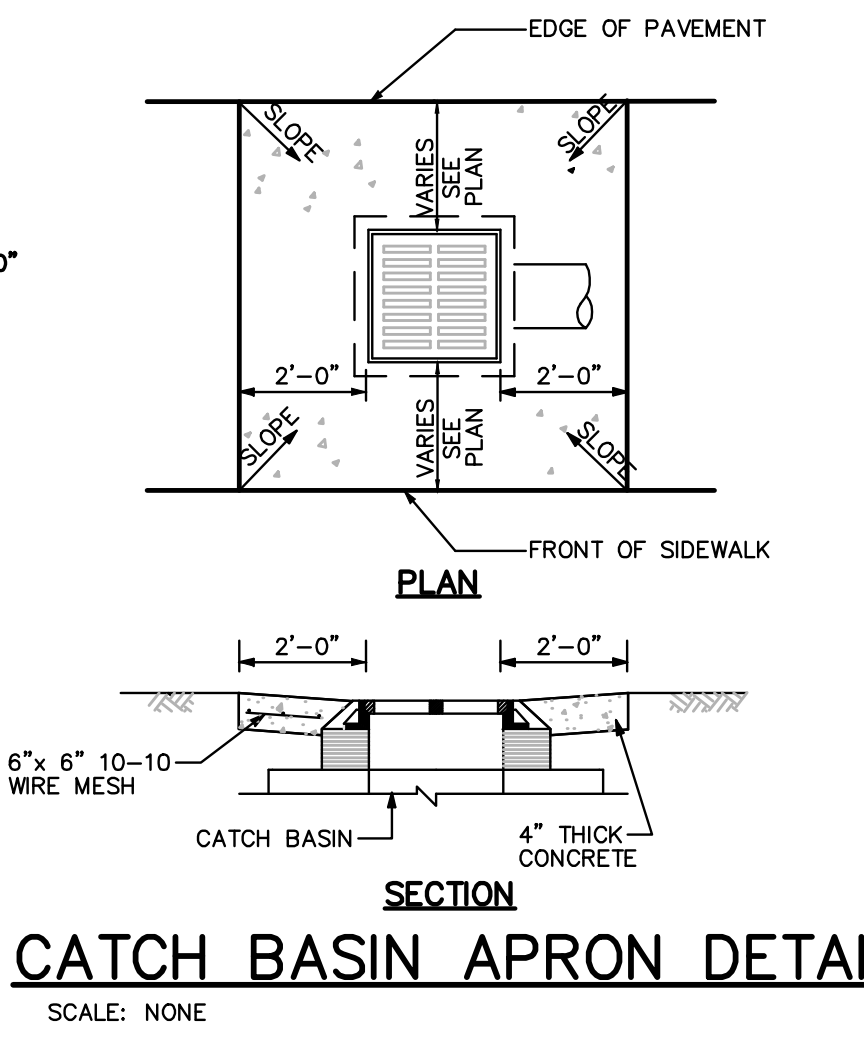
Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-12
SHEET 15 OF 18

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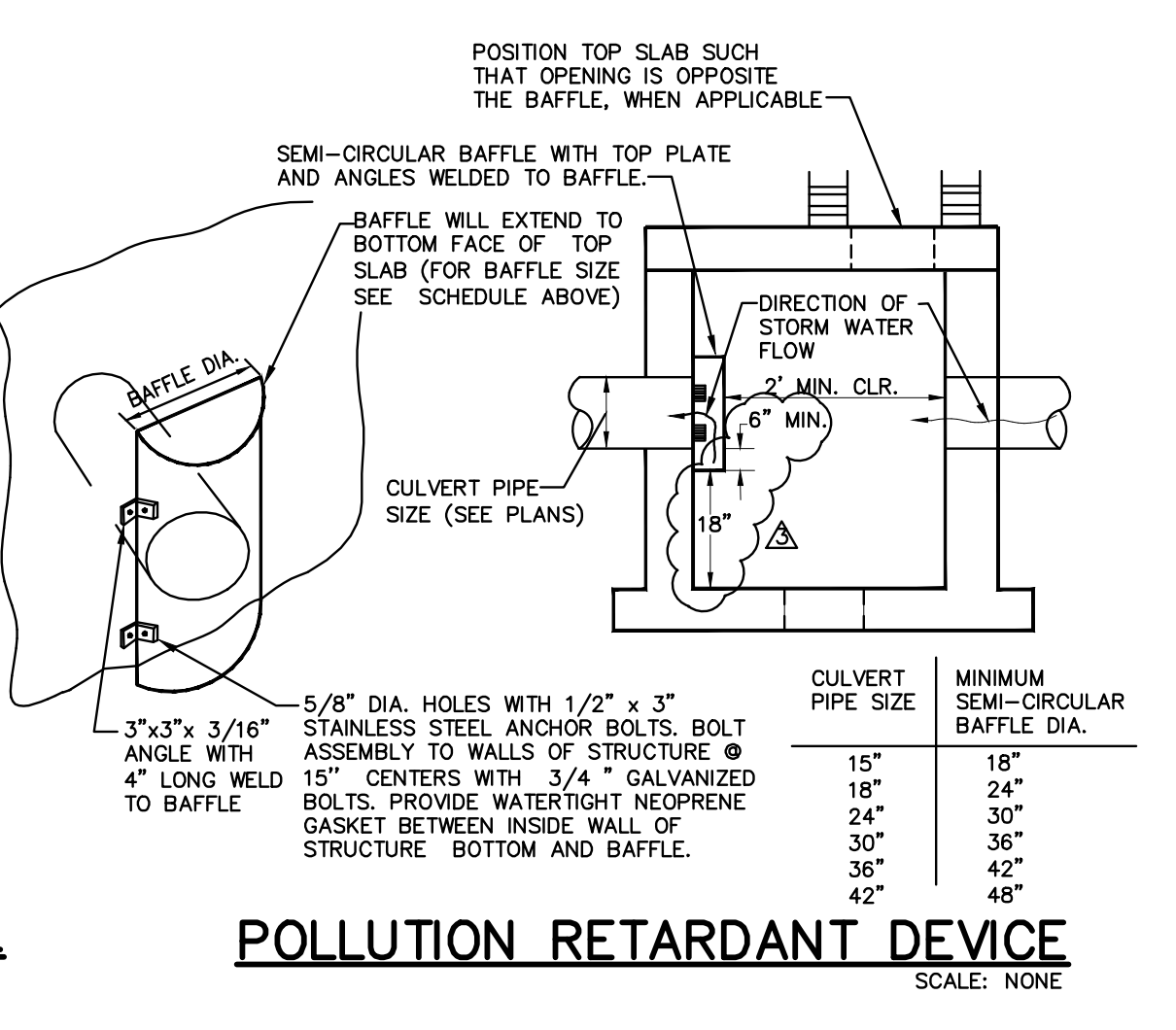
LED PEDESTRIAN BEACON DETAILS
N.T.S.



PEDESTRIAN SIGNAGE DETAILS
N.T.S.



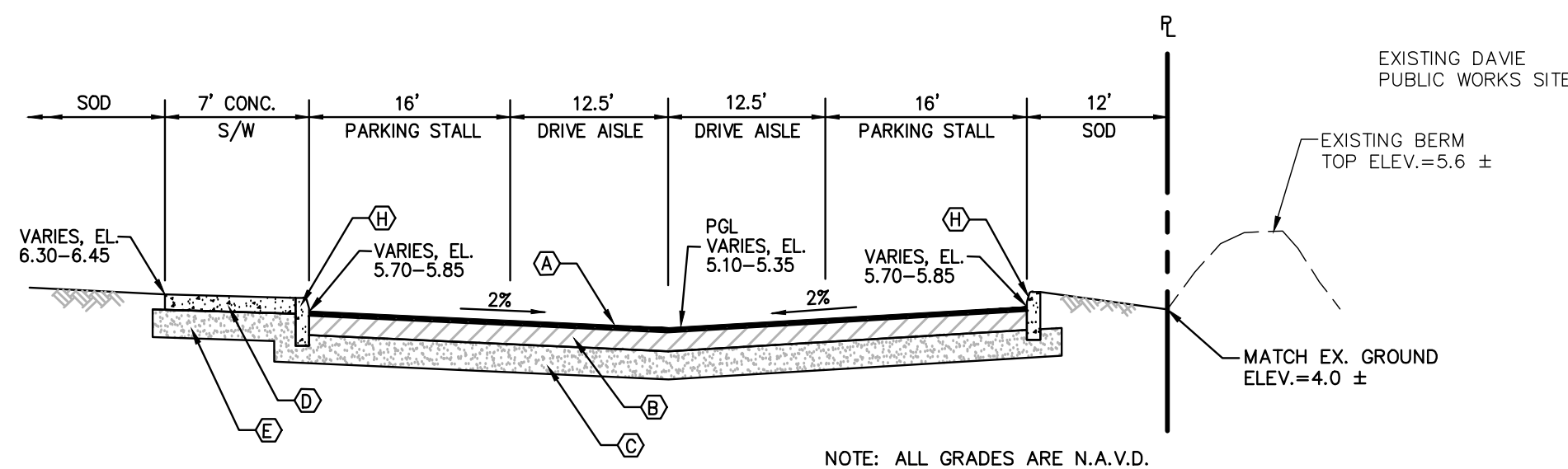
CATCH BASIN APRON DETAIL
SCALE: NONE



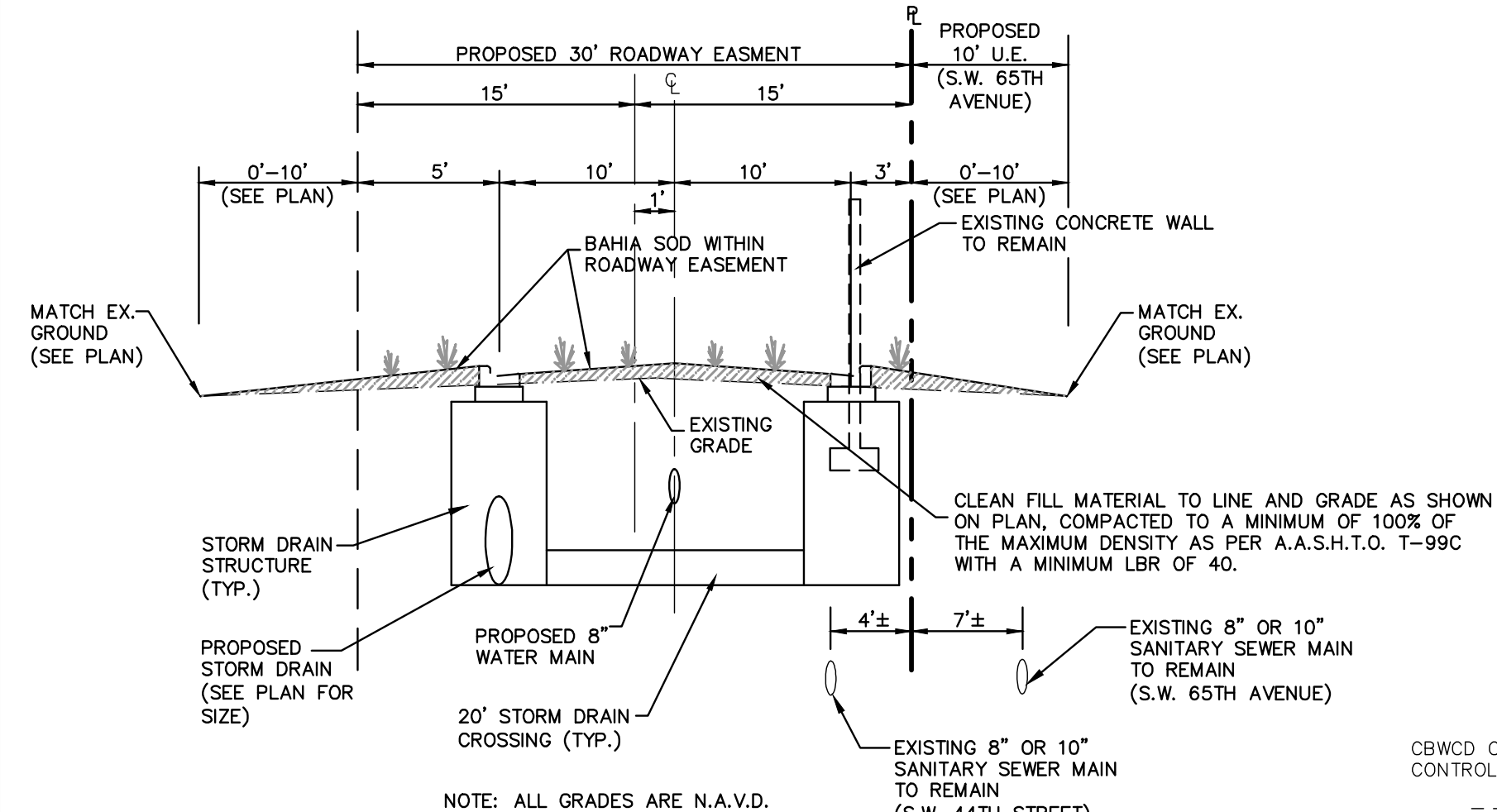
POLLUTION RETARDANT DEVICE
SCALE: NONE



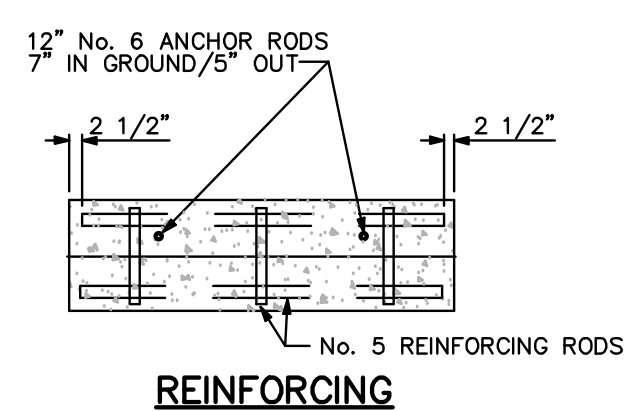
TAPCO
TRAFFIC & PARKING CONTROL CO., INC.
5100 Westchase Blvd., Suite 100, Ft. Worth, TX 76133
P 262.814.7000 • 800.336.0112
F 414.354.5480 • 800.444.0331
www.tapco.com



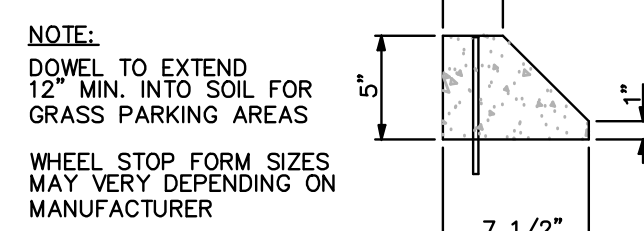
SECTION A-A
SCALE: NONE



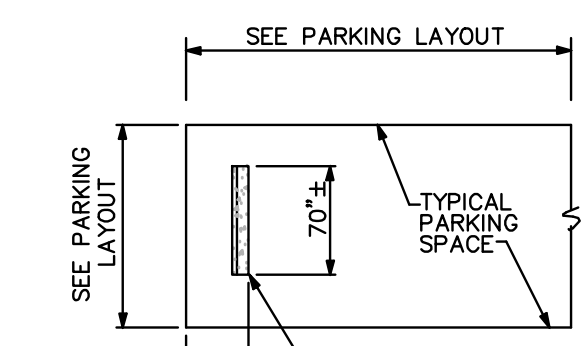
SECTION E-E
SCALE: NONE



REINFORCING

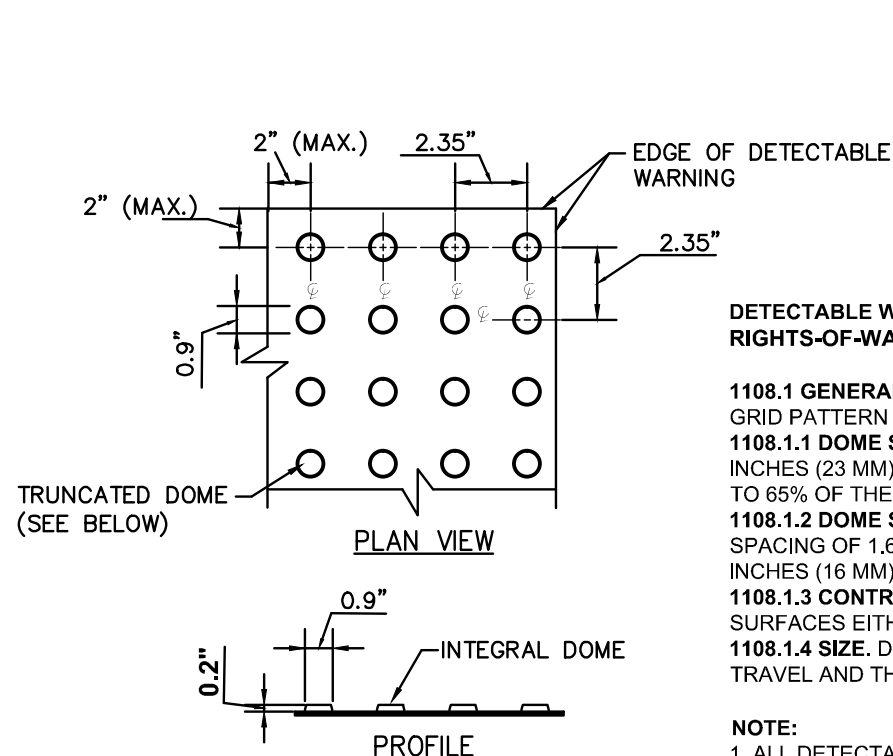


SECTION



PLAN

WHEEL STOP DETAIL
N.T.S.



DETECTABLE WARNING - TRUNCATED DOME
SCALE: NONE

TACTILE SURFACE TO BE ARMOR TILE AS MANUFACTURED BY ENGINEERED PLASTICS, INC. COLOR TO BE SELECTED BY TOWN.

DETECTABLE WARNING SURFACES SHALL CONFORM WITH THE DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY (JUNE 17, 2002).

1108.1 GENERAL. DETECTABLE WARNING SURFACES SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES ALIGNED IN A SQUARE GRID PATTERN AND SHALL COMPLY WITH 1108.

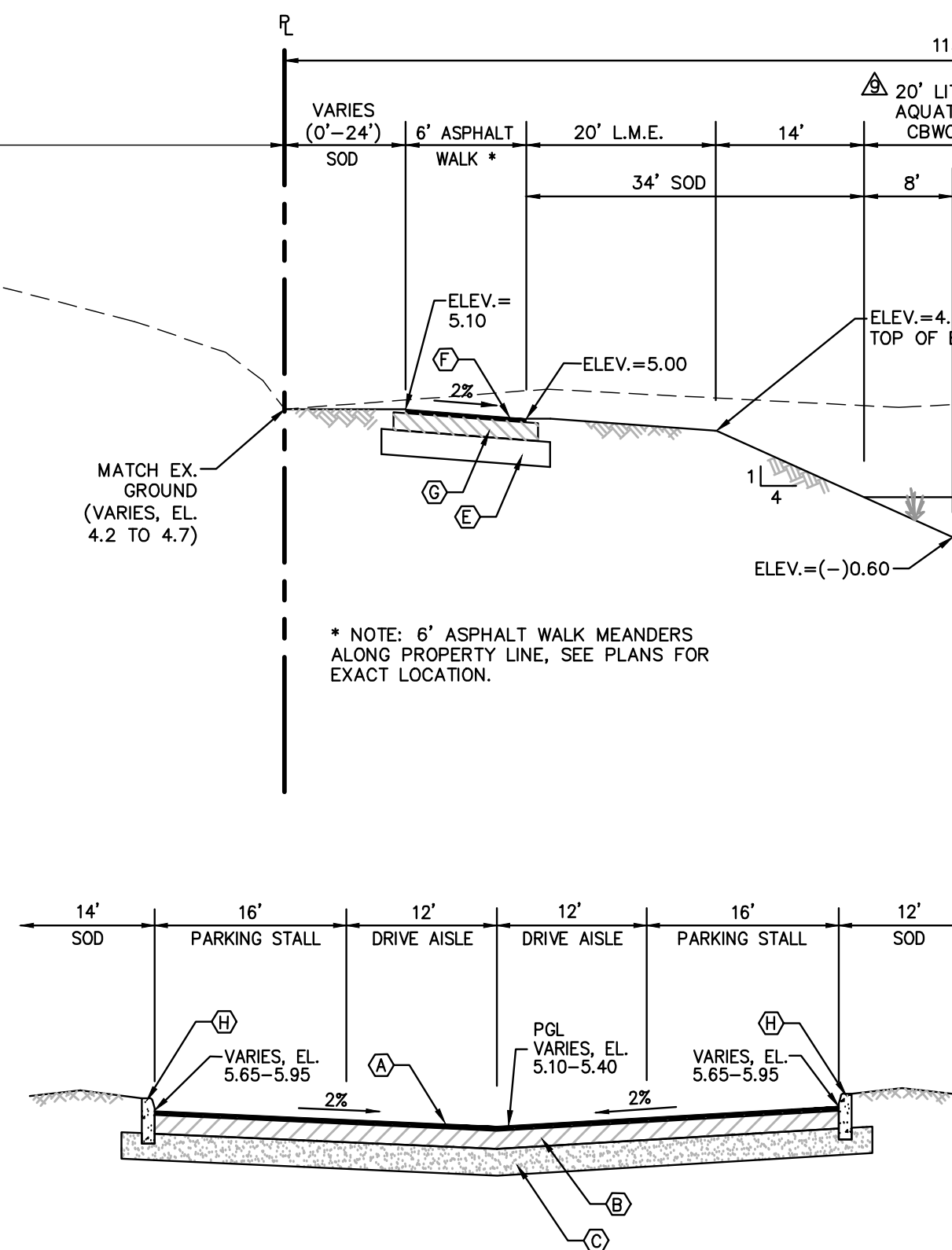
1108.1.1 DOME SIZE. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCHES (23 MM) MINIMUM TO 1.4 INCHES (36 MM) MAXIMUM, A TOP DIAMETER OF 90% OF THE BASE DIAMETER MINIMUM TO 65% OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCHES (5 MM).

1108.1.2 DOME SPACING. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.8 INCHES (41 MM) MINIMUM AND 2.4 INCHES (61 MM) MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.85 INCHES (16 MM) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON SQUARE GRID.

1108.1.3 CONTRAST. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

1108.1.4 SIZE. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES (610 MM) MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION.

NOTE:
1. ALL DETECTABLE WARNING STRIPS MUST BE IMBEDDED INTO THE CONCRETE. BOLTING THE WARNING STRIPS IS NOT AN ACCEPTABLE WAY OF FASTENING THE WARNING STRIPS TO THE CONCRETE.
2. ALL TRUNCATED DOMES SHALL BE MANUFACTURED BY ARMOR-TILE OR APPROVED EQUAL.

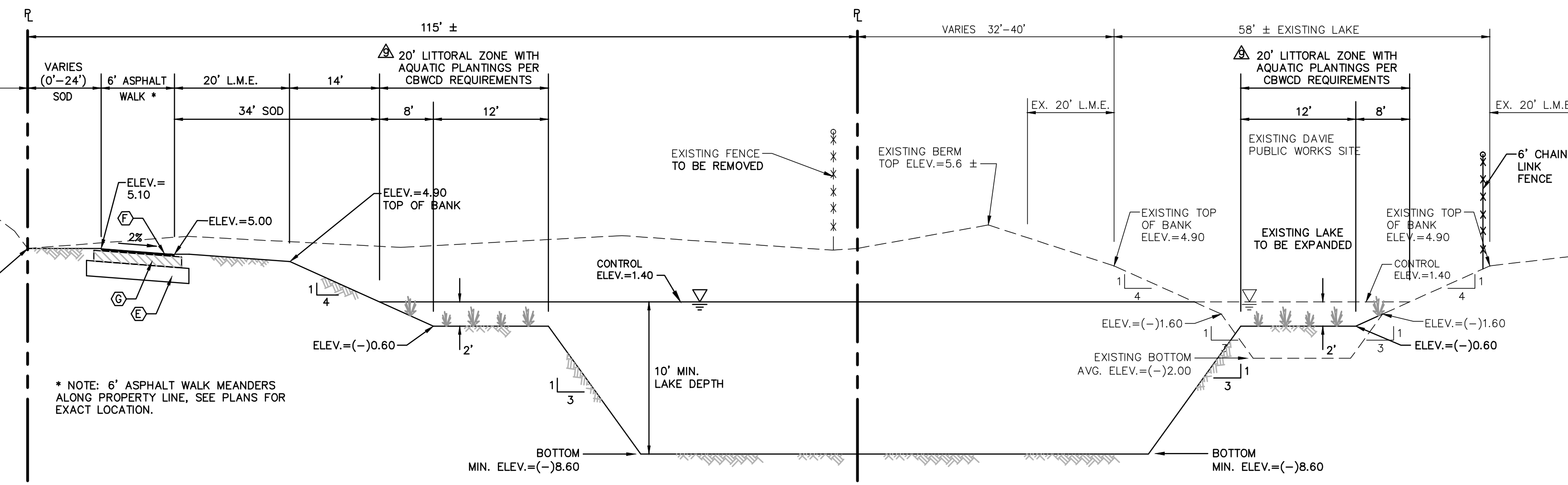


SECTION F-F
SCALE: NONE

NOTE: ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.)
N.A.V.D. = N.G.V.D. - 1.59'

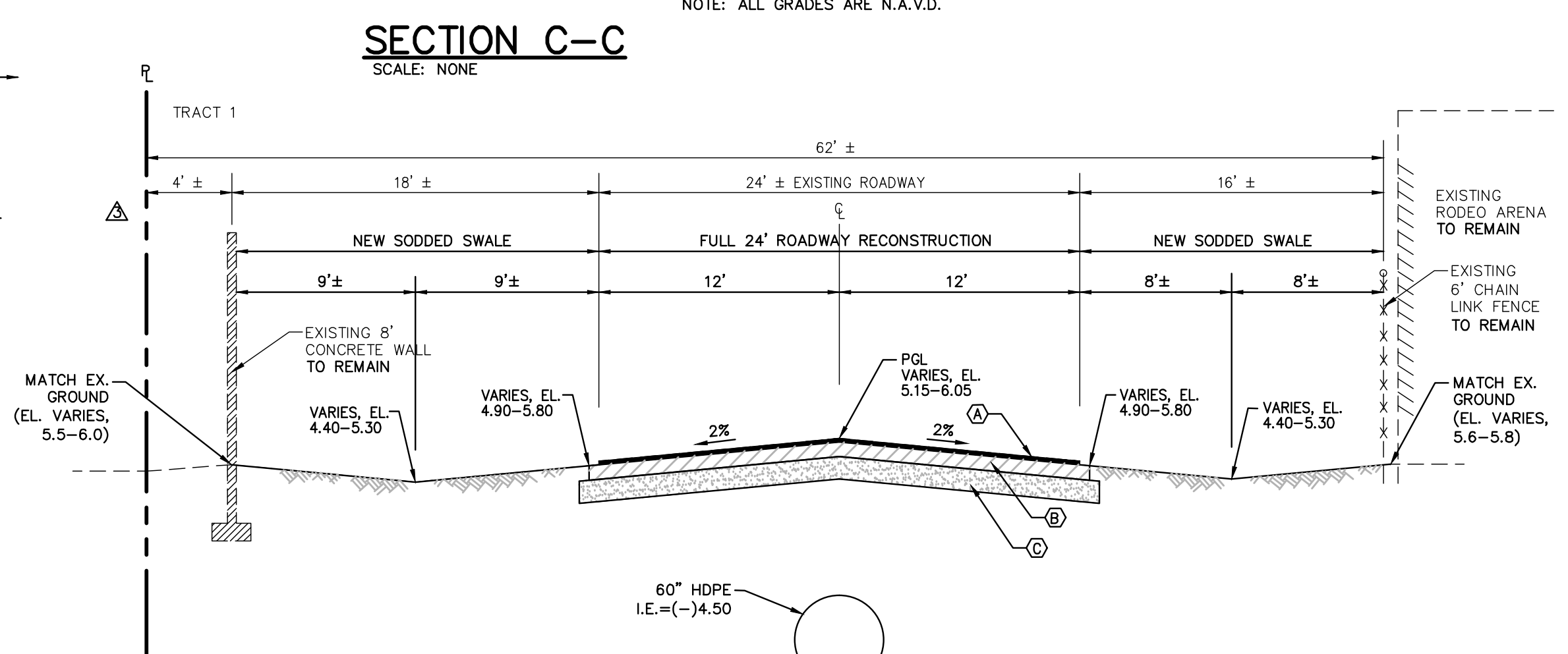
PAVING LEGEND:

- (A) 1-1/2" TYPE S-III ASPHALTIC CONCRETE SURFACE COURSE, CONSTRUCTED IN TWO (2) 3/4" LIFTS WITH TACK COAT BETWEEN LIFTS.
- (B) 8" LIME ROCK BASE COURSE PLACED IN A SINGLE LAYER AND COMPACTED TO 98% OF MAXIMUM DENSITY PER A.A.S.H.T.O. T-180 WITH A MINIMUM LBR OF 100. BASE COURSE SHALL BE CRUSHED LIMEROCK, MIAMI OOLITE WITH A MINIMUM OF 60% CARBONATES OF CALCIUM AND MAGNESIUM.
- (C) 12" STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 100% OF THE MAXIMUM DENSITY AS PER A.A.S.H.T.O. T-99C WITH A MINIMUM LBR OF 40.
- (D) 6" CONCRETE SIDEWALK (F_c = 3000 PSI AT 28 DAYS)
- (E) 12" COMPACTED SUBGRADE TO A MINIMUM OF 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180
- (F) 1" TYPE S-III ASPHALTIC CONCRETE SURFACE COURSE, CONSTRUCTED IN ONE (1) LIFT WITH TACK COAT.
- (G) 4" LIME ROCK BASE COURSE PLACED IN A SINGLE LAYER AND COMPACTED TO 98% OF MAXIMUM DENSITY PER A.A.S.H.T.O. T-180 WITH A MINIMUM LBR OF 100.
- (H) CONCRETE TYPE "D" CURB
- (I) 2" CONCRETE TYPE "F" CURB AND GUTTER

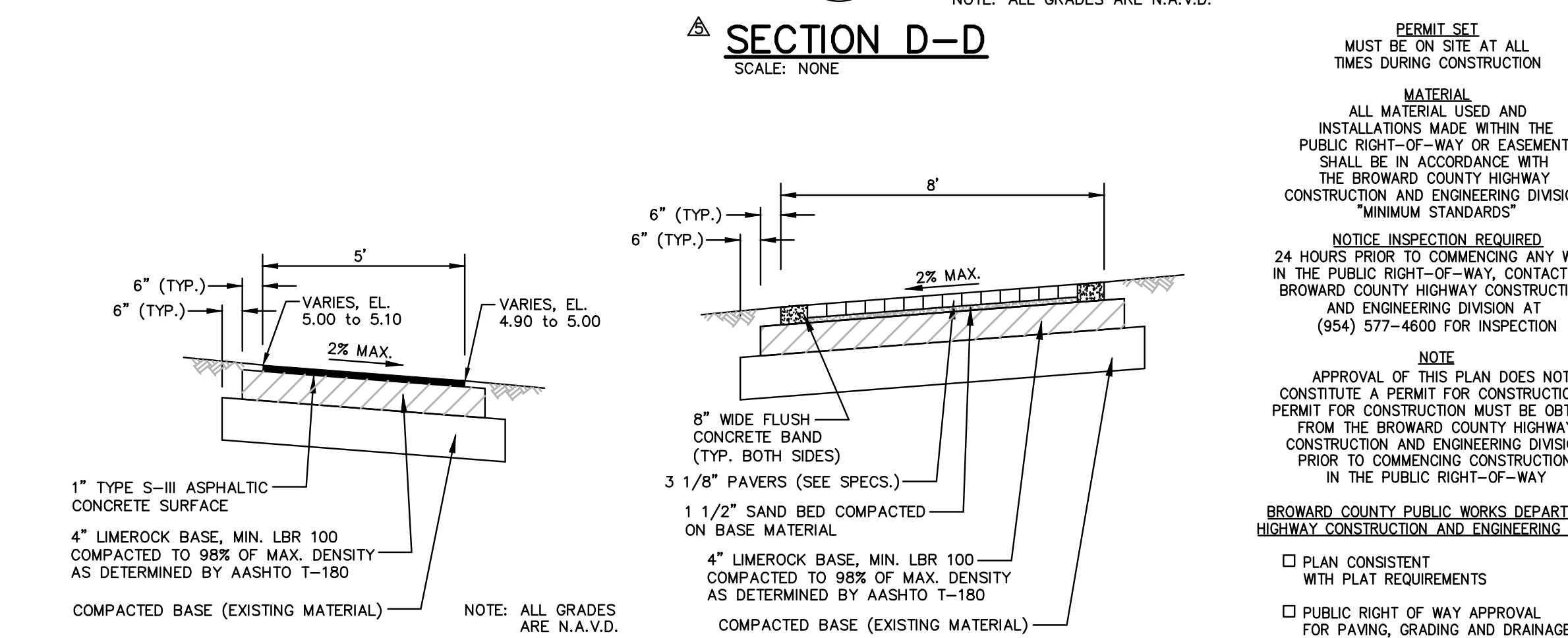


SECTION B-B
SCALE: NONE

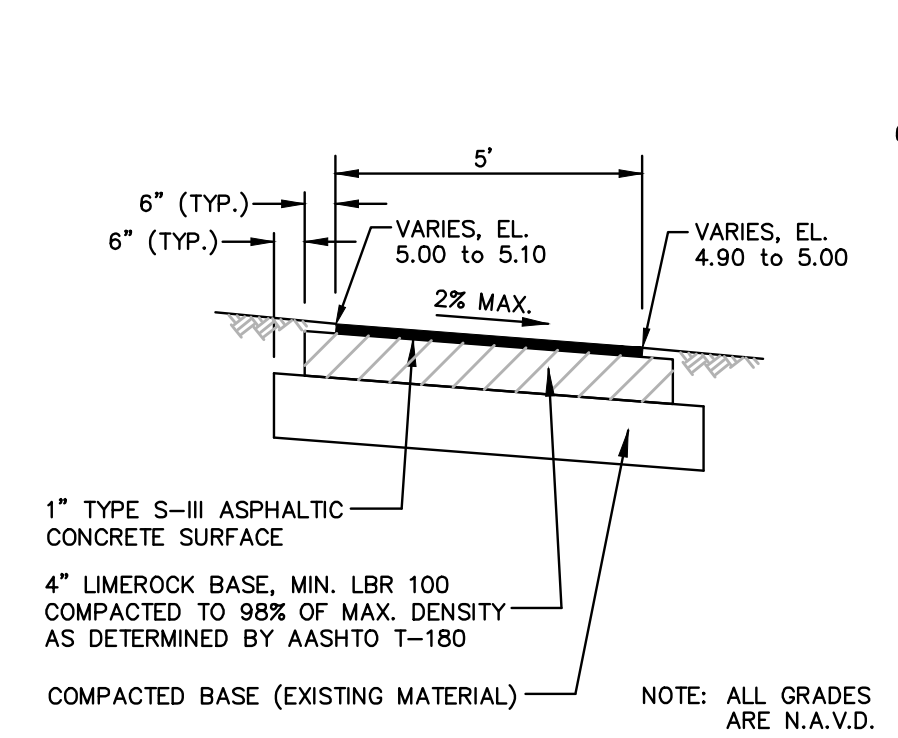
NOTE: ALL GRADES ARE N.A.V.D.
DRY RETENTION AREAS SHALL BE DEMUCKED AND FILLED WITH PERMEABLE MATERIAL THAT WILL ALLOW THE STORED WATER TO INFILTRATE INTO THE GROUND WATER.



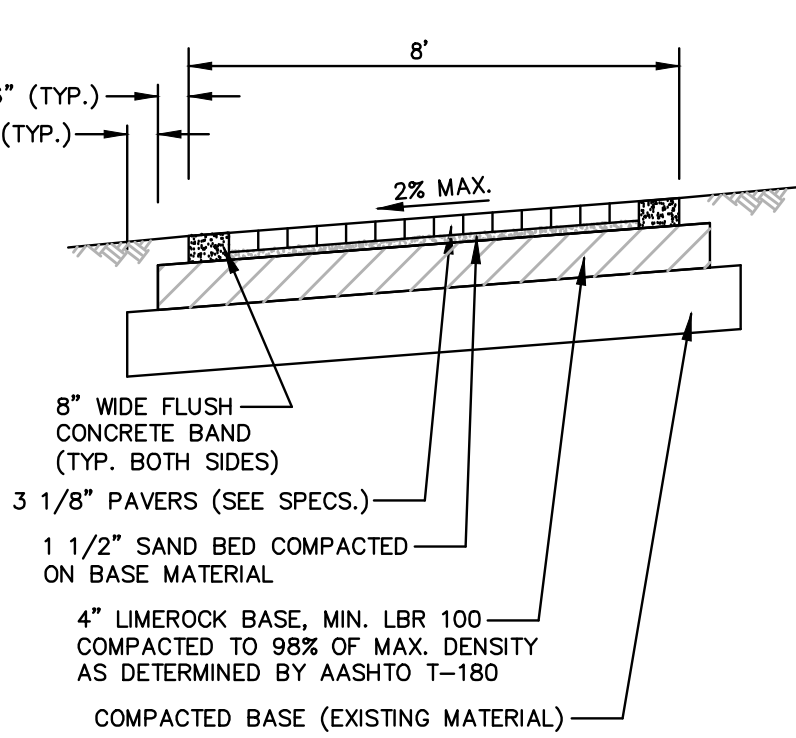
SECTION C-C
SCALE: NONE



SECTION D-D
SCALE: NONE



ASPHALT WALK DETAIL
SCALE: NONE



PAVER WALK DETAIL
SCALE: NONE

PERMIT SET MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION

MATERIAL ALL MATERIAL USED AND INSTALLATIONS MADE WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS"

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BROWARD COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS
 PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: _____ DATE: _____

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKING & SIGNS

| | |
|--------------|------|
| DATE: | 1/17 |
| SCALE: | NONE |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | PJC |

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ENGINEERS • PLANNERS • SURVEYORS
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TEL: (954) 739-6400
FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL

PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY

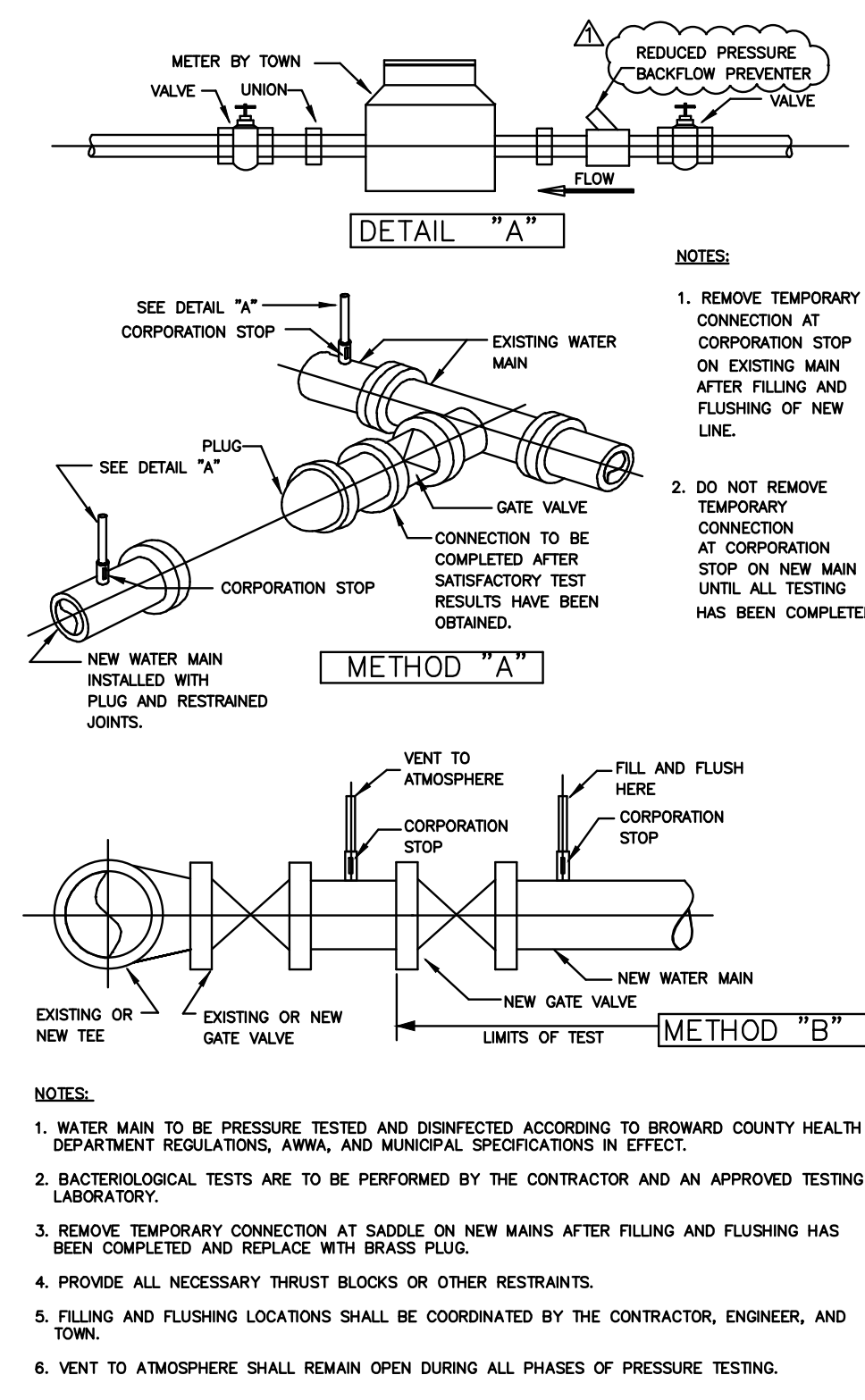
TYPICAL SECTIONS AND DETAILS

Gary A. Tenn
Florida P.E. No. 42099

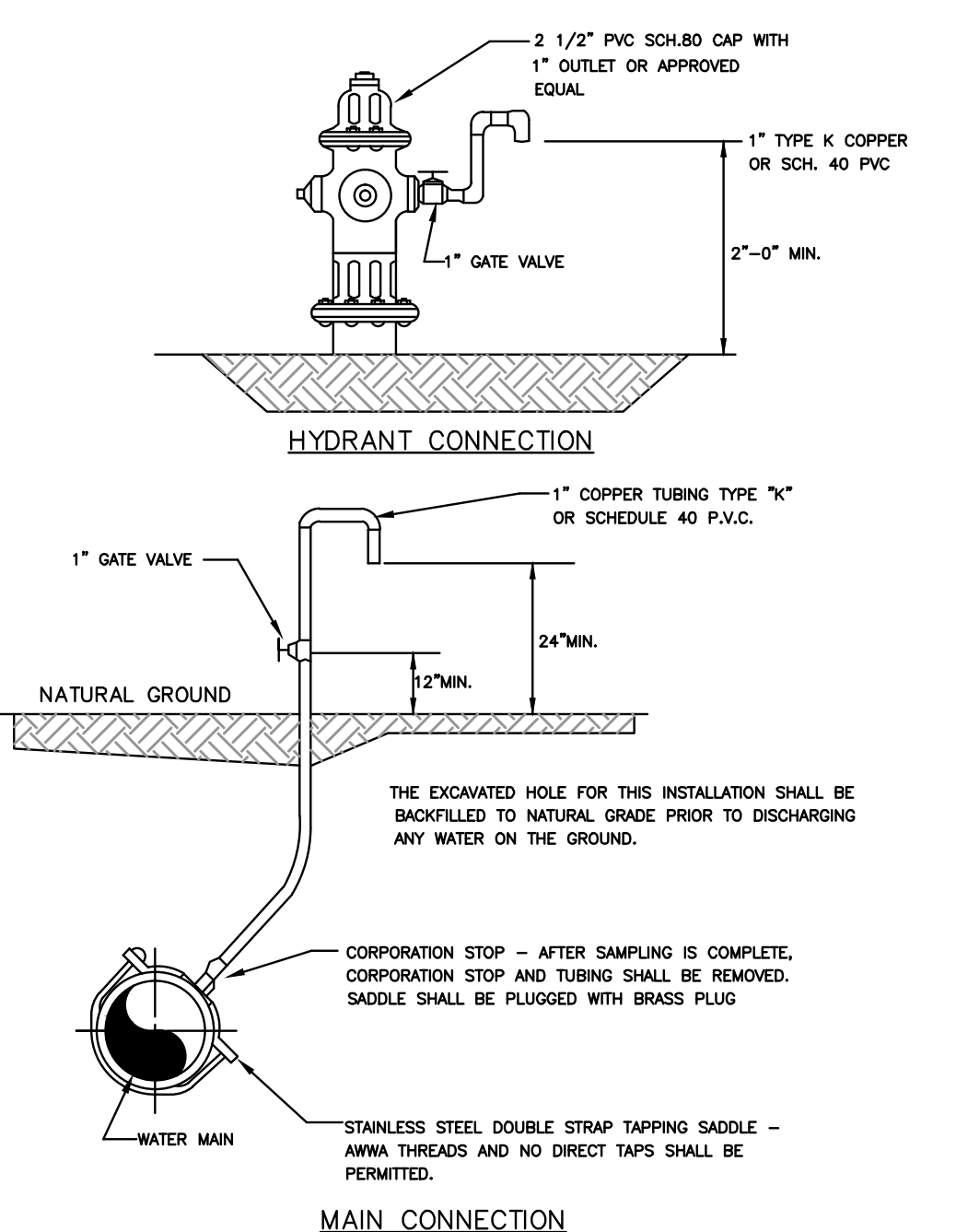
PROJECT NO.
09-0056-001-01

C-13
SHEET 16 OF 18

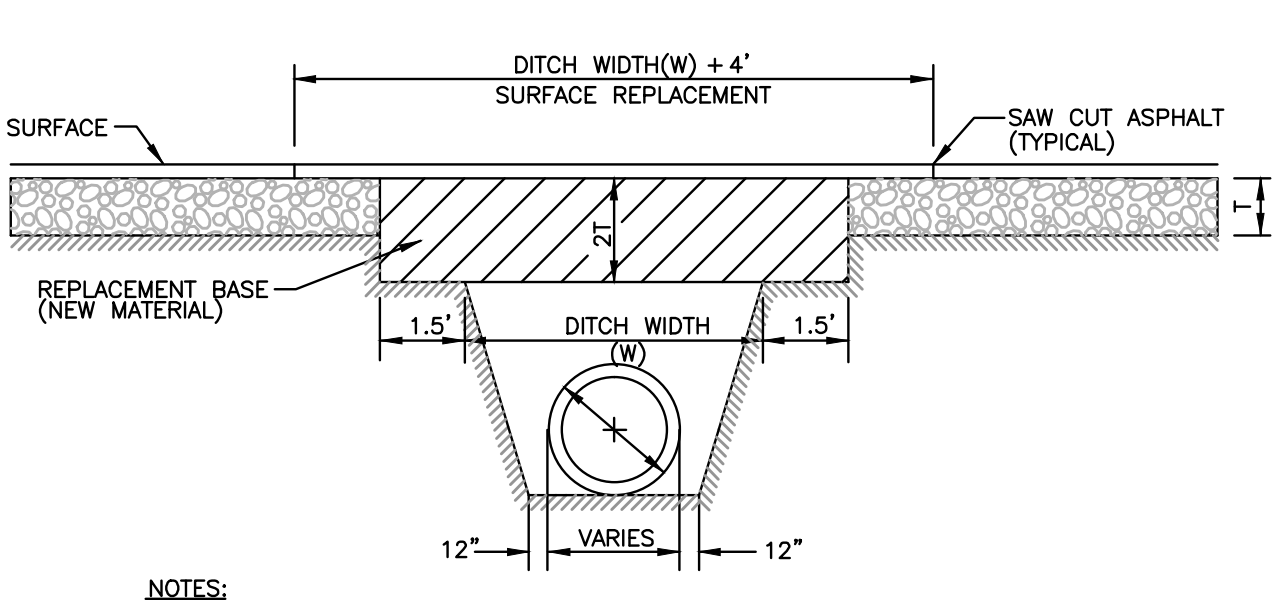
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W5. FILLING AND FLUSHING CONNECTION
N.T.S.

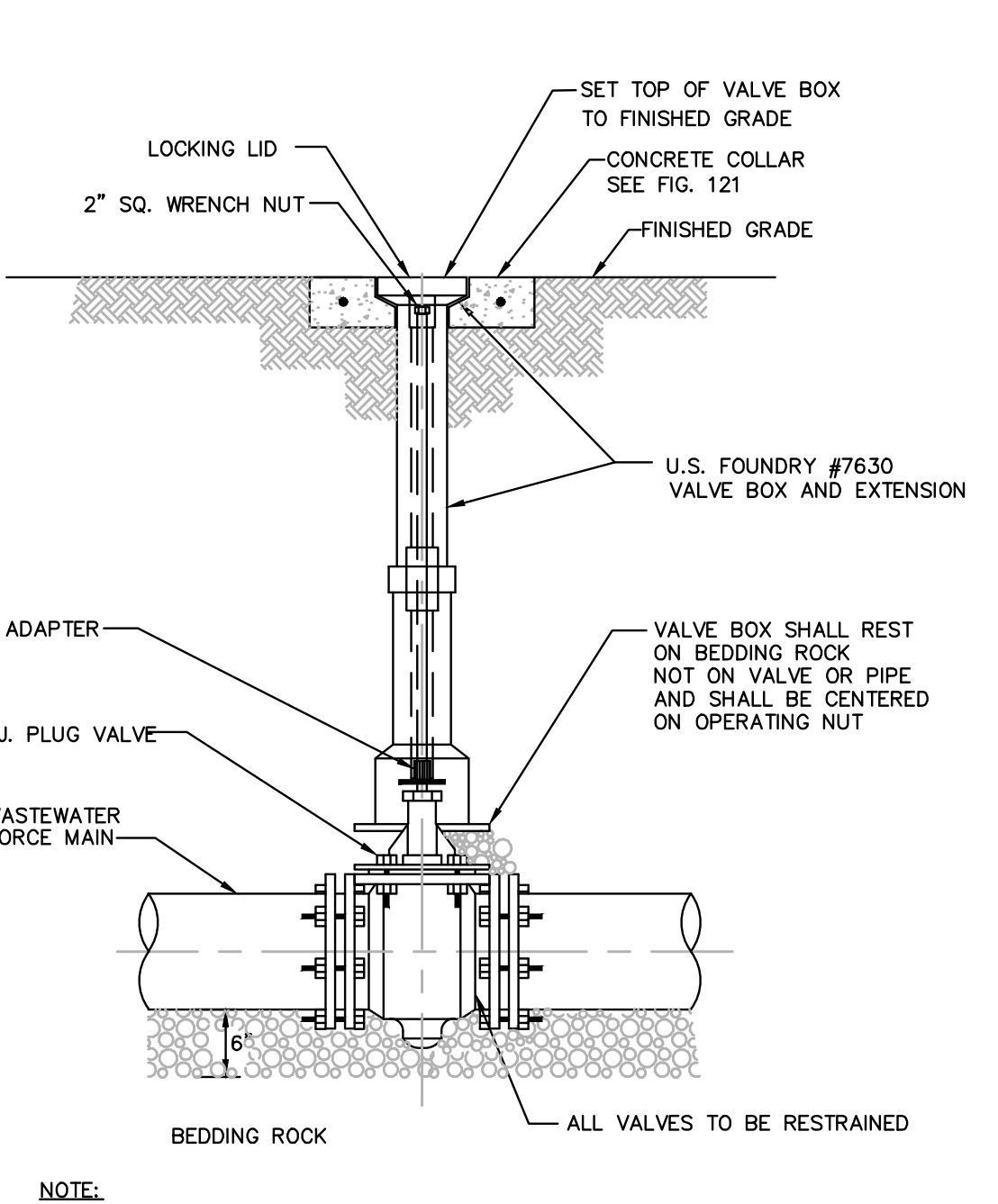


W1. BACTERIOLOGICAL SAMPLING POINTS
N.T.S.



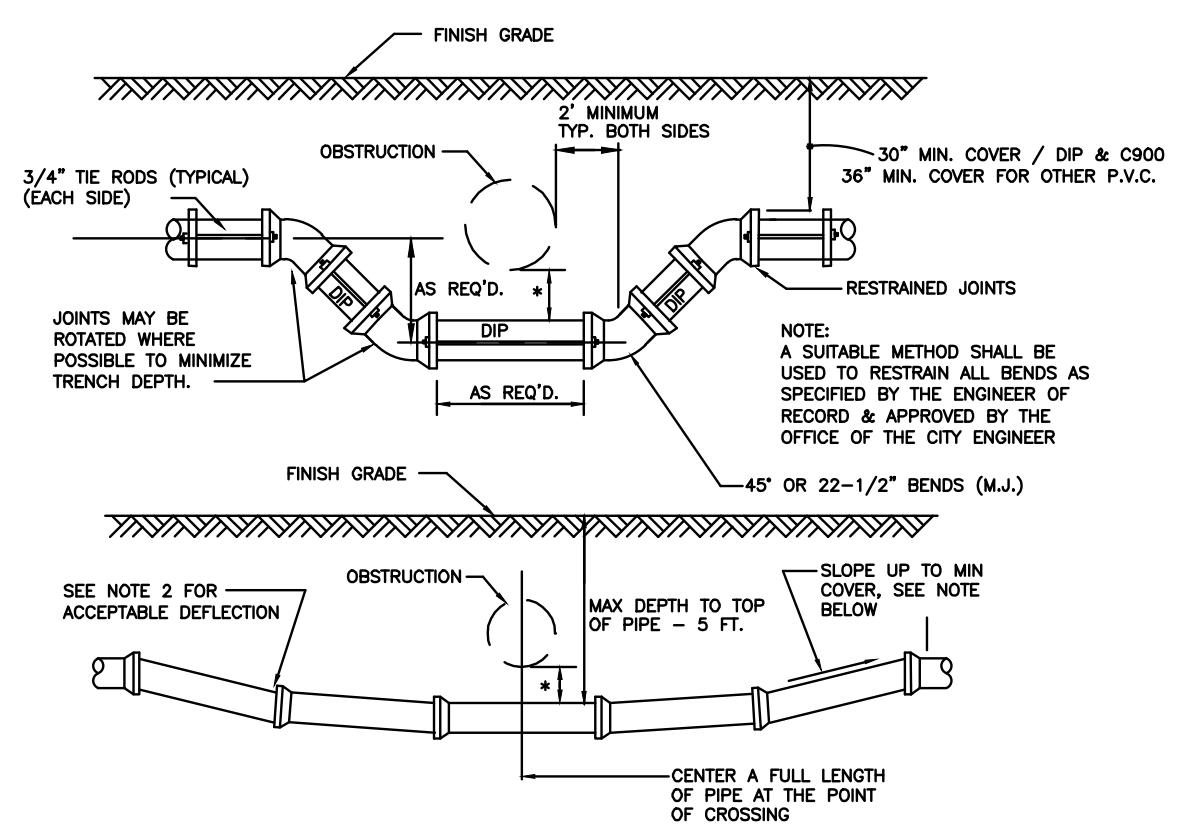
- NOTES:**
- REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE (MINIMUM 12", MAXIMUM 18").
 - BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) LAYERS AND EACH LAYER THOROUGHLY ROLLED (OR TAMPED) TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180.
 - ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED. SURFACED TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
 - SURFACE MATERIAL SHALL BE CONSISTENT WITH EXISTING SURFACE. A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUBGRADE AND EACH LIFT OF BASE MATERIAL AT EACH OPEN-CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6 1/2) INCHES, THE BASE SHALL BE CONSTRUCTED IN TWO OR MORE COURSES. PROCTORS FOR MATERIALS USED IN BACKFILLING AND DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY SELECTED BY THE COUNTY. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FL. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND OR B.C.E.D. "MINIMUM STANDARDS" IN COUNTY R/W'S AT THE TIME THE PERMIT IS ISSUED. ALL DENSITY TESTS SHALL BE COMPLETED AND ACCEPTED ON EACH LAYER PRIOR TO ADDITIONAL BACKFILLING. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO THE BCD OR TO THE FL. DEPARTMENT OF TRANSPORTATION UPON REQUEST.
 - BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (60% FOR LOCAL STREETS)
 - IF THE DITCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL PLACED WITH A PERMANENT PATCH.
 - TRENCHES DEEPER THAN FIVE FEET (5') MUST COMPLY WITH CURRENT O.S.H.A. SHORING/BRACING REQUIREMENTS.

C5. REPLACEMENT OF FLEXIBLE PAVEMENT CUT FOR UTILITY CROSSING OF ROADWAY
N.T.S.



- NOTE:**
- WHEN PLUG VALVE IS NOT LOCATED IN PAVEMENT, PLACE A GREEN PAVEMENT REFLECTOR MARKER IN THE DRIVE LANE, ADJACENT TO THE VALVE.
 - WRENCH NUT SHALL NOT BE MORE THAN 30" BELOW FINISHED GRADE.

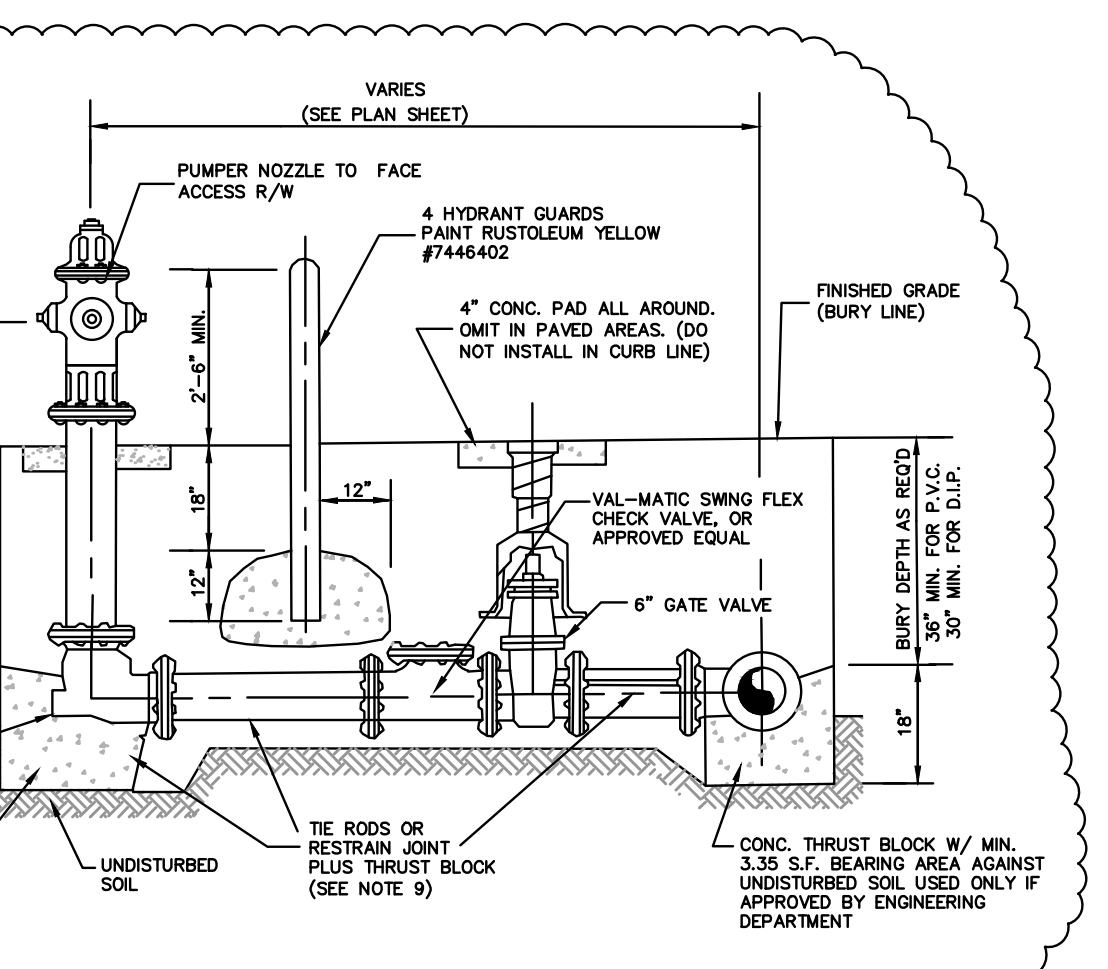
W3. FIRE HYDRANT DETAIL
N.T.S.



C1. UTILITY CROSSINGS
N.T.S.

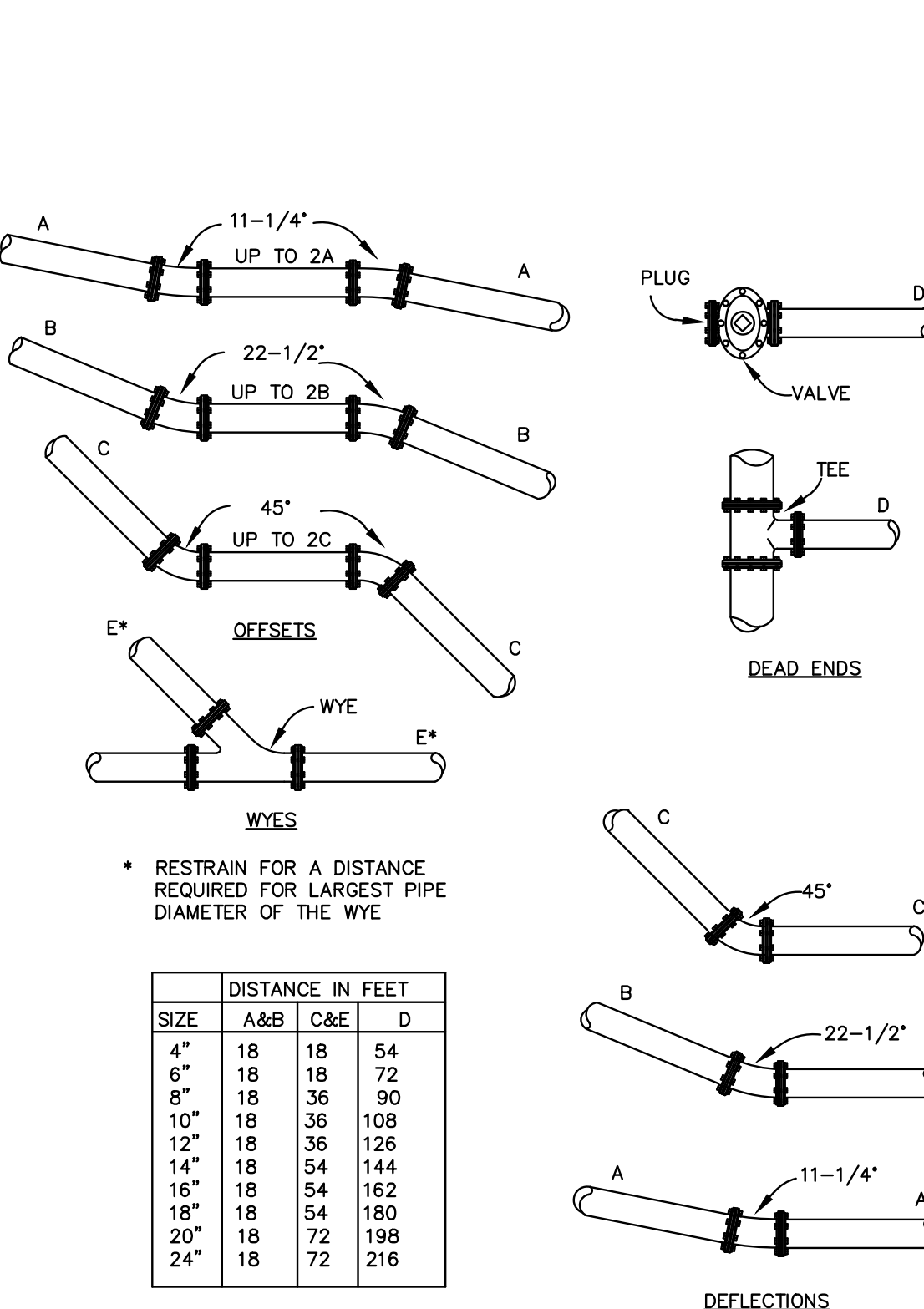
- NOTES:**
- THE DEFLECTION TYPE CROSSING SHALL BE USED WHENEVER POSSIBLE ONLY UNDER SPECIFIC ORDERS BY THE ENGINEER. THE FITTING TYPE CROSSING BE ALLOWED.
 - CONSTRUCT STANDARDS CROSSING USING 75% OF MANUFACTURER'S MAXIMUM JOINT DEFLECTION (MAX).
 - COAT TIE RODS WITH A BITUMINOUS COATING (2 COATS MIN.) AFTER INSTALLATION WHEN THE RODS ARE USED FOR PIPE RESTRAINT.
 - TOWN OF DAVIE ENGINEERING INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ALL DEFLECTION OPERATIONS.
 - NO WATER OR SEWER FORCE MAINS OF ANY SIZE PVC OR DIP PIPE THAT CROSS OTHER UTILITIES AND WILL NOT MAINTAIN A MIN. 18" VERTICAL SEPARATION WILL NOT BE INSTALLED BY WAY OF DEFLECTION OTHER THAN FOUR 45 DEGREE BENDS WITH MECHANICALS AND RESTRAINED WITH THREADED RODS AT ALL JOINTS. PIPE RESTRAINTS ARE REQUIRED TO TOP 45 DEGREE BENDS. FIELD INSPECTION BY TOWN'S ENGINEERING INSPECTOR IS REQUIRED PRIOR TO INSTALLATION.
 - 18" MIN. CLEARANCE REQUIRED FOR WATER AND SEWER MAIN CROSSING. 12" MIN. CLEARANCE REQUIRED FOR OTHER TYPE UTILITIES CROSSING. ENCASMENT IN CONCRETE IS NOT PERMITTED.

C1. UTILITY CROSSINGS
N.T.S.

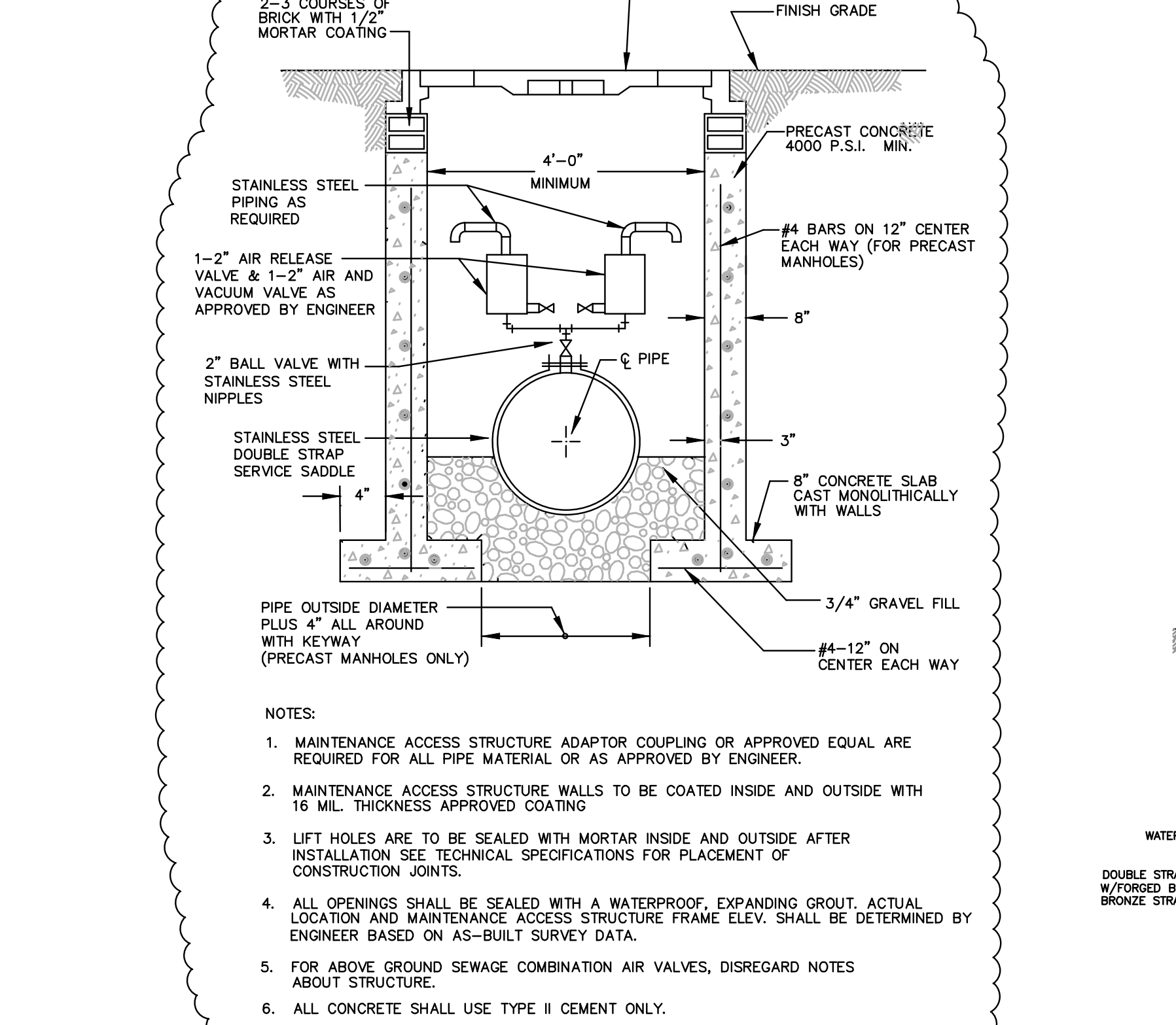


- NOTES:**
- HYDRANT GUARDS TO BE SCH. 40 C.S.P. FILLED WITH CONCRETE AS REQUIRED BY THE UTILITY DEPARTMENT.
 - OMIT REAR GUARDS IN LOCATIONS WHERE SIDEWALKS EXIST.
 - THE RODS MAY BE OMITTED WHEN OTHER APPROVED ANCHORS ARE USED.
 - HYDRANT SET BACK SHALL CONFORM TO D.O.T. REQUIREMENTS WHERE APPLICABLE.
 - HYDRANT CENTERLINE TO BE LOCATED AT P.C. OF BLOCK CORNER RADIUS OR AT COMMON PROPERTY LINE BETWEEN ADJACENT LOTS.
 - HYDRANT SHALL BE PER TOWN OF DAVIE STANDARDS WITH 3"-6" BURY DEPTH. PUMPER NOZZLE TO FACE STREET. PAINT YELLOW (RUSTOLEUM #7446402).
 - HYDRANT VALVE TO BE INSTALLED AS CLOSE TO MAIN AS POSSIBLE AND RESTRAINED.
 - HYDRANT BURY LINE TO MATCH FINISH GRADE ELEVATION.
 - THE RODS SHALL BE 2 EA. 3/4" GALV. AND COATED WITH COAL TAR EPOXY OR APPROVED EQUAL.
 - PROVIDE VISIBLER LAYER BETWEEN CONCRETE AND FITTINGS.
 - NO THRUST BLOCKS UNLESS CONDITIONS RESTRICT USE OF FITTINGS.
 - EXTENSIONS WILL NOT BE ACCEPTED.
 - ADJUST TO GRADE WITH GRADE LOCK TYPE FITTINGS OR PIPE AND FITTINGS.

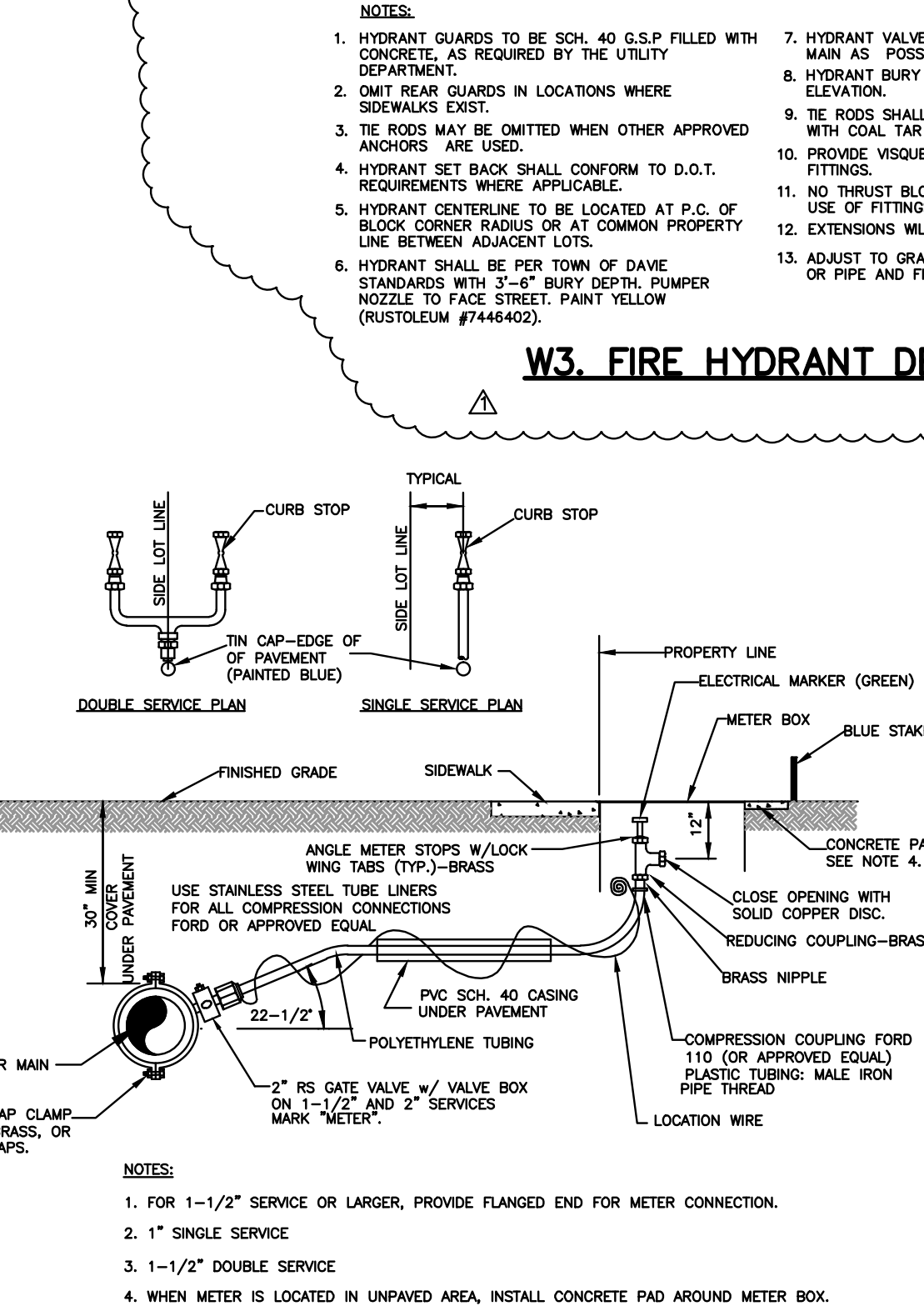
W3. FIRE HYDRANT DETAIL
N.T.S.



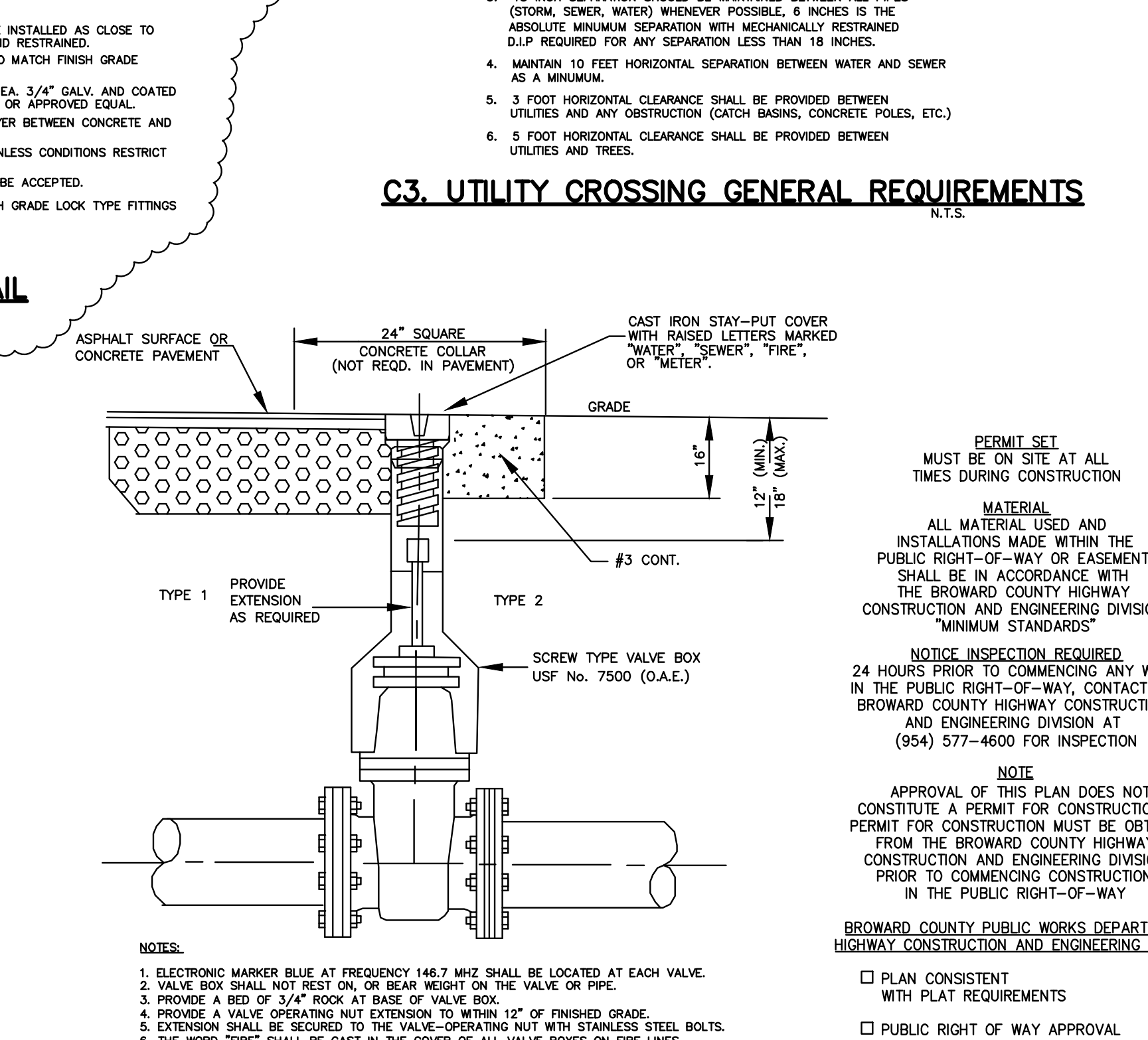
W7. TYPICAL WATER SERVICE
N.T.S.



S10. AIR RELEASE VALVE WITH MAINTENANCE ACCESS STRUCTURE FOR FORCE MAINS
N.T.S.



W6. & S13. WATER OR SEWER VALVE BOX DETAIL
N.T.S.



C3. UTILITY CROSSING GENERAL REQUIREMENTS
N.T.S.

| | |
|---------------------------------|--------------|
| DATE: | 1/17 |
| SCALE: | NONE |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | MRN |
| APPROVED BY: | P.J.C. |
| REVISED PER TOWN ENG. COMMENTS: | MRN 4/2/13 |
| REVISED PER BCD COMMENTS: | MRN 11/20/12 |
| REVISED PER TOWN COMMENTS: | MRN 11/16/12 |
| DESCRIPTION: | |

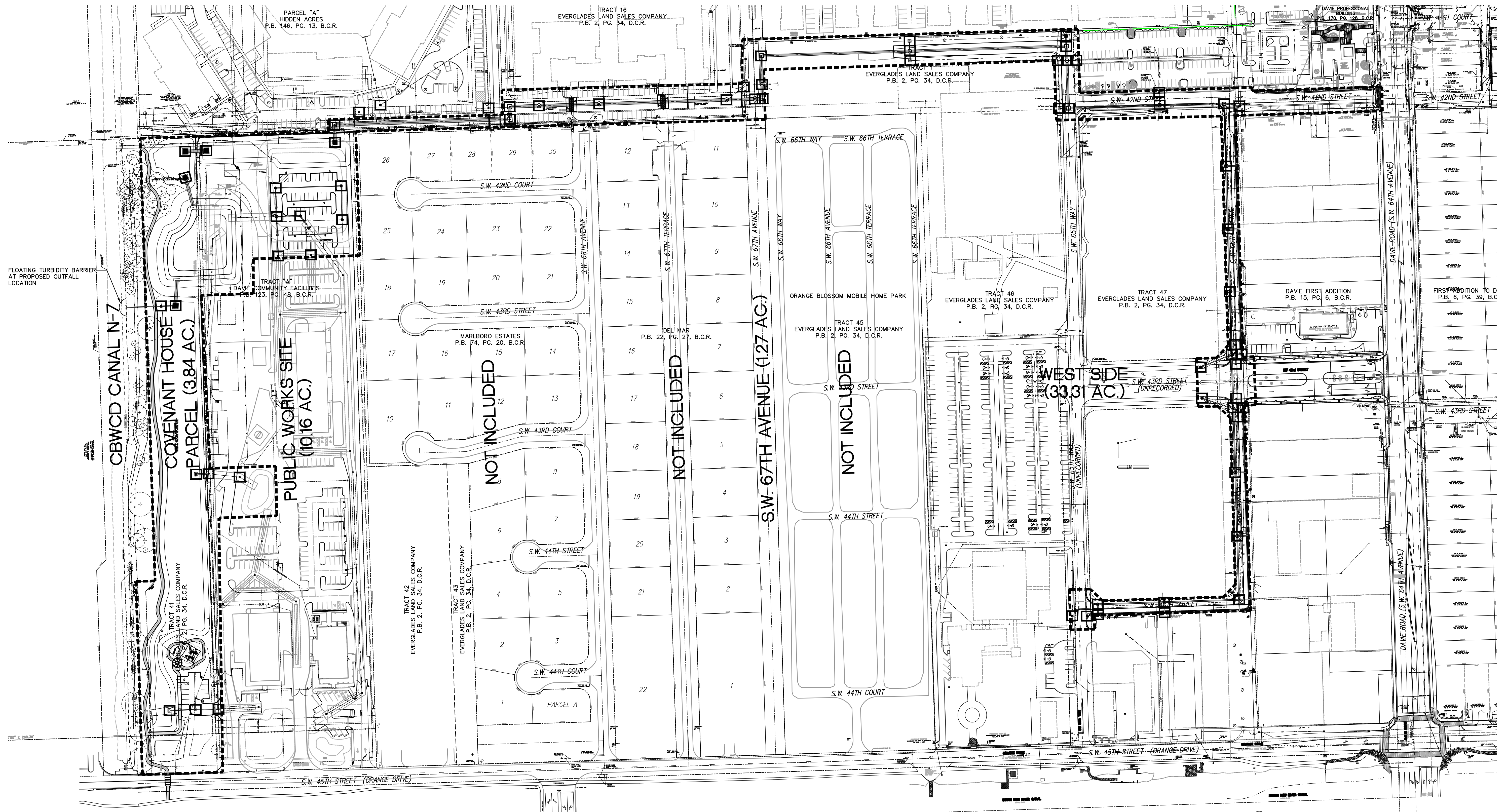
CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERS, SURVEYORS & PLANNERS BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114
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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVIE, BROWARD COUNTY, FL
PREPARED FOR:
DAVIE COMMUNITY REDEVELOPMENT AGENCY
WATER AND SEWER DETAILS

Gary A. Tenn
Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-14
SHEET 17 OF 18

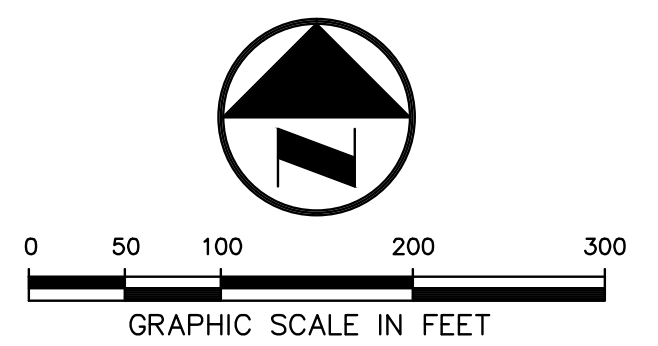
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PROPOSED EROSION CONTROL LEGEND

- EXISTING OR PROPOSED STORM DRAINAGE STRUCTURE PROTECTED WITH HAY BALES AND FILTER FABRIC
- SILT FENCE (APPROXIMATE LOCATION AROUND PROJECT LIMITS)



- EROSION CONTROL NOTES:**
- 1.) CONTRACTOR SHALL ASSUME ANY AND ALL RESPONSIBILITIES FOR ANY WATER CONTROL VIOLATIONS RESULTING FROM FAILURE TO ELIMINATE AND/OR CONTROL TURBID RUNOFF FROM LEAVING THE SITE AS ISSUED BY ANY AGENCY HAVING JURISDICTION.
 - 2.) CONTRACTOR SHALL PROVIDE TEMPORARY DEWATERING AREA(S) PRIOR TO ANY EXCAVATION FOR PIPE INSTALLATION. DEWATERING AREA(S) SHALL BE PROTECTED WITH SILT SCREENS. ALL DEWATERING OPERATIONS SHALL DISCHARGE INTO TEMPORARY DEWATERING AREA(S) AND NO DIRECT DISCHARGE INTO THE EXISTING OR NEW DITCHES, STORM DRAINS, AND/OR PUBLIC RIGHT OF WAY WILL BE ALLOWED.
 - 3.) CONTRACTOR SHALL MAINTAIN A POLLUTION PREVENTION CONTROL LOG AND CONDUCT WEEKLY INSPECTIONS AND WITHIN 24 HOURS OF A 0.25" STORM EVENT.
 - 4.) CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL, STATE, AND OTHER LOCAL GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
 - 5.) DURING CONSTRUCTION, ALL CATCH BASINS TO BE EQUIPPED WITH FILTER FABRIC AND HAY BALES OVER GRATES.
 - 6.) ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
 - 7.) NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
 - 8.) ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED AT CONTRACTORS EXPENSE.

| | |
|--------------|---------|
| DATE: | 8/10 |
| SCALE: | 1"=100' |
| DESIGN BY: | MRN |
| DRAWN BY: | MRN |
| CHECKED BY: | PJC |
| APPROVED BY: | |

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WESTSIDE IMPROVEMENT AREA
TOWN OF DAVE, BROWARD COUNTY, FL
 PREPARED FOR:
DAVE COMMUNITY REDEVELOPMENT AGENCY
EROSION CONTROL PLAN

Gary A. Tenn
 Florida P.E. No. 42099
PROJECT NO.
09-0056-001-01
C-15
SHEET 18 OF 18