

This Instrument Prepared by and Return to:

Jose M. Jimenez, Esquire
Codina Partners, LLC
2020 Salzedo Street
5th Floor
Coral Gables, FL 33134

MAINTENANCE COVENANT

THIS MAINTENANCE COVENANT ("Covenant") is made and entered into effective as of this 9 day of June, 2023, by and between the City of Doral, Florida, a municipal corporation (the "City"), having an address at 8401 NW 53rd Terrace Doral, Florida 33166, and Downtown Doral South Community Development District, a local unit of special purpose government established pursuant to Chapter 190, Florida Statutes (the "District") having an address at 5385 N. Nob Hill Road, Sunrise, Florida 33351.

WITNESSETH:

WHEREAS, the District is responsible for the maintenance of certain infrastructure serving portions of the Downtown Mixed Use development known as Downtown Doral South ("DDS," the "Project"), which boundaries are more particularly defined in Exhibit A; and

WHEREAS, the City is the owner of certain public roadways and rights-of-way within the Project (the "Roadways"); and

WHEREAS, the developers of the Project or the District have or will install the Drainage Improvements, as more specifically described in this Covenant, within the Roadways for purposes of draining stormwater from certain property and roadways within the Project; and

WHEREAS, the developers of the Project or the District will have or will also install and maintain irrigation, landscaping, streetlighting, and sidewalks within the Roadways as more particularly described in the plans for such Roadways approved by the City (the "Other Roadway Improvements," and together with the Drainage Improvements, the "Improvements").

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

- 1. RECITALS. The foregoing recitals are true and correct and are incorporated herein by

reference.

2. DRAINAGE IMPROVEMENTS.

- a. The District has to installed a stormwater drainage system under a portion of the Roadways in accordance with the applicable Miami-Dade County and South Florida Water Management permits and regulations, to provide drainage and flowage of stormwater from the District's property through pipes running under the Roadways as substantially depicted and attached hereto as Exhibit B (the "Drainage Improvements").
- b. The District has satisfied all State, County and City plan reviews, permitting and construction standards, including, but not limited to, the location where drainage pipes can be installed and specifying the standards for drainage system construction in connection with the installation of the Drainage Improvements.
- c. The District shall maintain the Drainage Improvements in good repair at all times, at its sole expense, which maintenance shall include, but not be limited to, desilting of inlets, manholes and piping system, and removal of any obstruction within the system. The maintenance shall be performed on all inlets and manholes on a yearly basis, and approximately twenty percent (20%) of the piping system every year, so that maintenance is performed on the entire piping system every five (5) years. The District shall, if requested by the City, provide proof of such maintenance in the form of a report with copies of the service receipts. The report shall include a map depicting the exact infrastructure serviced. In the event the Drainage Improvements cannot be repaired, the District shall promptly submit plans and upon approval by the City and regulatory agencies, replace and/or install a new drainage system at its cost. The District shall be entitled to enter the Roadways as necessary to perform necessary maintenance, subject to standard permit requirements. The City shall have the right, but not the obligation, to repair the Drainage Improvements upon giving the District 30-days written notice of any necessary repairs, and the District's failure to perform the repair within an additional 30-day period. The cost of repair shall be charged to and shall be reimbursed by the District within 30-days of receipt of the invoice from the City.
- d. The District shall have the right to enter the Roadways for the purpose of constructing and maintaining the Drainage Improvements. The District shall secure necessary permits from the City to perform the work and shall notify the Public Works Department of its work schedule and work plans.

3. OTHER ROADWAY IMPROVEMENTS.

- a. The District has installed Other Roadway Improvements, such as sidewalks and pedestrian ramps, in accordance with the applicable Miami-Dade County permits and regulations.
- b. The District has satisfied all State, County and City plan reviews, permitting and construction standards in connection with the installation of the Other Roadway

Improvements.

- c. The District shall maintain the Other Roadway Improvements in good repair at all times, at its sole expense. The District shall be entitled to enter the Roadways as necessary to perform necessary maintenance, subject to standard permit requirements. The City shall have the right, but not the obligation, to repair the Other Roadway Improvements upon giving the District 30-days written notice of any necessary repairs, and the District's failure to perform the repair within an additional 30-day period. The cost of repair shall be charged to and shall be reimbursed by the District within 30-days of receipt of the invoice from the City.
- d. The District shall have the right to enter the Roadways for the purpose of constructing and maintaining the Other Roadway Improvements. The District shall secure necessary permits from the City to perform the work and shall notify the Public Works Department of its work schedule and work plans.

4. **RESERVATION OF RIGHTS.** The City reserves the right to enter upon the Roadways at any time for any municipal purpose, including, but not limited to, clearing accidents, maintaining the Roadways, and placement of telecommunication cables and equipment. The City, or its agents and licensees, and independent contractors, shall disturb the Improvements as little as possible to accomplish the municipal purpose, and shall make any and all repairs resulting therefrom.

5. **CORRECTION OF UNSAFE CONDITION.**

- a. The Improvements shall be maintained in a safe condition at all times by the District. In the event the City determines that an unsafe or dangerous condition exists in the Roadways which is caused in whole or in part by the failure to maintain or to restore the Improvements, the City has the right, after giving the District 30-days written notice, to cure, repair, correct or modify the Improvements and the affected Roadways at the District's expense.
- b. If the City determines that the unsafe or dangerous condition is of an emergency nature, which threatens public safety or damage to property, it may take immediate action to remedy the situation. The City shall give notice of the emergency condition and the corrective action to the District as soon as is practicable.

6. **INDEMNIFICATION AND HOLD HARMLESS.** To the extent permitted by Florida law, the District shall indemnify, defend and hold the City harmless for any claim, investigation, settlement, judgment or expense, including reasonable attorney's fees and costs necessarily incurred, arising out of or relating to any claim for death or bodily injury, property damage, including damage to the right-of-way, or personal injury that is allegedly caused in whole or in part by the construction and maintenance, or the failure to maintain, the Improvements.

7. **INSTALLATION OF DRAINAGE IMPROVEMENTS.** The District has installed all Drainage Improvements, at the District's cost, pursuant to the Plans and to current code requirements for both stormwater quantity and quality to the extent required pursuant to applicable City of Doral and Miami-Dade County Codes, and any other applicable agency.

8. [INTENTIONALLY DELETED].

9. DURATION OF RIGHTS AND OBLIGATIONS. The rights, powers and obligations under this Covenant shall run with the property for 30 years from the effective date and shall bind the successors, assigns and heirs of the District after which time it shall be automatically extended for successive periods of ten (10) years unless an instrument mutually agreed upon and executed by the parties has been recorded providing for the release, amendment, or modification of this covenant agreeing to release, amend, or modify this Covenant in whole, or in part, as provided below.

10. RIGHT-OF-WAY DEDICATIONS. The obligations, conditions, and statements agreed to by the District pursuant to and contained in this Covenant shall supersede any future dedications of rights-of-way within the District.

11. RECORDING. This Covenant shall be recorded in the records of Miami-Dade County and the District shall be encumbered by this Covenant.

12. ASSIGNMENT, MODIFICATION, AMENDMENT, RELEASE. This Covenant may be assigned, modified, amended or released as to the District, or any portion thereof, by a written instrument executed by the, then, owner(s) of all of the subject property, including joinders of all mortgagees, if any, provided that the same is also approved in writing by the City.

13. NOTICES. All notices given or required under this Covenant shall be deemed sufficient if sent by certified mail, return receipt requested, to the addresses of the District specified in this Covenant, unless the District shall specify in writing different address for the giving of notices.

14. CONTRACTING OFFICER REPRESENTATIVE. For the purposes of this Covenant, the contracting representatives are as follows:

As to the City: City of Doral
8401 NW 53rd Terrace
Doral, Florida 33166
Attention: Ms. Barbara Hernandez City Manager

Copy to: Valerie Vicente
Interim City Attorney
8401 NW 53rd Terrace
Doral, Florida 33166

As to the District: Downtown Doral South Community Development
District
5385 N. Nob Hill Road
Sunrise, Florida 33351
Attn: District Manager

Copy to: Billing, Cochran, Lyles, Mauro & Ramsey, P.A.

515 East Las Olas Boulevard, Suite 600
Ft. Lauderdale, Florida 33301
Attn: Michael J. Pawelczyk, Esq.

Copy to:

Joe Jimenez
Codina Partners
2020 Salzedo Street
5th Floor
Coral Gables, Florida 33134

15. INSURANCE. The District, its successors, assigns, and heirs, shall maintain throughout the period of this Covenant Comprehensive General Liability insurance and coverage for legal liability for loss or damage to Improvements and the City's right-of-way arising from negligence of the District's employees. During construction, the District will maintain, or cause to be maintained, Builder's Risk Insurance and Worker's Compensation Insurance. The policies shall have minimum limits no less than \$1,000,000.00, and name the City as an additional insured.

16. SIGNATORY AUTHORITY. The officials executing this Covenant warrant and represent that they are authorized by their respective agency to enter into a binding Covenant.

17. ENFORCEMENT; COSTS AND FEES. Enforcement shall be by action against any parties or person violating, or attempting to violate, any covenants herein. To the extent permitted by applicable law, the prevailing party shall be entitled to recover from the other all costs incurred, including reasonable attorney's fees and costs for trial, alternate dispute resolution, or appellate proceedings. This enforcement provision shall be in addition to any other remedies available at law, in equity or both.

18. ASSIGNMENT. All of the easements, covenants, conditions and obligations herein contained shall be binding upon and inure to the benefit of the respective successors and assigns of the parties. Subject to the provisions of Section 18 of this Covenant, the District shall have the right to assign its rights and obligations in this Covenant to one or more successors of the District, provided, however, that upon any such assignment, any such assignee shall agree to be bound by the terms and conditions set forth in this Covenant.

19. SUCCESSORS AND ASSIGNMENT. The rights and obligations created by this Covenant shall be binding upon and inure to the benefit of the District and the City, their successors and assigns, and shall likewise burden each party according to the terms hereof. This Covenant may not be assigned, in whole or in part, without the prior written consent of all parties, and such written consent shall not be unreasonably withheld.

20. NON-WAIVER OF SOVEREIGN IMMUNITY. The City and the District do not waive sovereign immunity, and shall not be liable for the payment of attorney's fees or prejudgment interest.

21. JURISDICTION AND VENUE. For the purposes of this Covenant, Florida law shall govern the terms of this Covenant. Venue shall be in Miami-Dade County, Florida.

22. WAIVER OF TRIAL BY JURY. The City and the District hereby knowingly, irrevocably, voluntarily and intentionally waive any right either may have to a trial by jury in respect of any action, proceeding or counterclaim based on this Covenant, or arising out of, under, or in connection with this Covenant.

[THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

WITNESS:

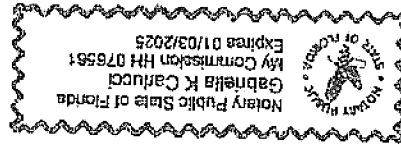
DOWNTOWN DORAL SOUTH
COMMUNITY DEVELOPMENT DISTRICT, a
local unit of special purpose government
established pursuant to Chapter 190, Florida
Statutes

Nicole M Agon
Witness
Nicole M. Agon
Printed Name

By: _____
Name: Teresa Baluja
Title: Vice Chairperson of the Board of Supervisors

Javier
Witness
Javier Fernandez de la Torre
Printed Name

STATE OF)
) SS
COUNTY OF MIAMI-DADE)



I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, the foregoing instrument was acknowledged before me by means of physical presence or online notarization, by Teresa Baluja, the vice chairman of the Board of Supervisors of DOWNTOWN DORAL SOUTH COMMUNITY DEVELOPMENT DISTRICT, a local unit of special purpose government established pursuant to Chapter 190, Florida Statutes, who is personally known to me or who has produced _____ as identification.

WITNESS my hand and official seal in the County and State last aforesaid this 25 day of April, 2023.

Gabriella Carucci
Notary Public
Gabriella Carucci
Typed, printed or stamped name of Notary Public

My Commission Expires: 1-3-2025

EXHIBIT A

ALL OF RIGHTS-OF-WAY DEDICATED ON DOWNTOWN DORAL SOUTH PHASE 1, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 173, PAGE 23, TOGETHER WITH ALL OF RIGHTS-OF-WAY DEDICATED ON DOWNTOWN DORAL SOUTH PHASE 2, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 173, PAGE 73, TOGETHER WITH ALL OF RIGHTS-OF-WAY DEDICATED ON CANARIAS EAST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 175, PAGE 26, ALL OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA, LESS AND EXCEPT ALL RIGHTS-OF-WAY VACATED BY SAID CANARIAS EAST PLAT.

RESOLUTION No. 22-198

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AUTHORIZING THE CITY MANAGER TO EXECUTE THE DOWNTOWN DORAL SOUTH MAINTENANCE COVENANT DEVELOPED BY CODINA PARTNERS, LLC IN COORDINATION WITH CITY STAFF; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the developers of Downtown Doral South have constructed and installed improvements along the Downtown Doral South area; and

WHEREAS, the area is bounded by NW 87th Avenue on the west, NW 81st Avenue on the east, NW 51st Terrace on the north, and NW 41st Street on the south; and

WHEREAS, the improvements include stormwater drainage improvements, irrigation, landscaping, streetlighting, and sidewalks; and

WHEREAS, during the planning and permitting phase of the Downtown Doral South development, the City advised the developer that all these improvements would be maintained by the area's association and/or the community development district (CDD); and

WHEREAS, Codina Partners, LLC in coordination with City Staff developed the attached Maintenance Covenant (Covenant) addressing City staff concerns and designating the maintenance responsibility for the area; and

WHEREAS, city Staff respectfully requests that the Mayor and the City Councilmembers authorize the City Manager to execute the Maintenance Covenant.

Res. No. 22-198
Page 2 of 3

**NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND THE CITY COUNCIL
OF THE CITY OF DORAL AS FOLLOWS:**

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made part hereof by this reference.

Section 2. Approval. The Downtown Doral South Maintenance Covenant, a copy of which is attached hereto as Exhibit "A", is hereby approved.

Section 3. Authorization. The City Manager is authorized to execute the Maintenance Covenant on behalf of the City in furtherance hereof.

Section 4. Implementation. The City Manager and City Attorney are hereby authorized to take such action as may be necessary to implement the purpose and the provisions of this resolution.

Section 5. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing Resolution was offered by Councilmember Puig-Corve who moved its adoption. The motion was seconded by Vice Mayor Cabral and upon being put to a vote, the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Digna Cabral	Yes
Councilman Pete Cabrera	Yes
Councilwoman Claudia Mariaca	Yes
Councilman Oscar Puig-Corve	Yes

PASSED AND ADOPTED this 5 day of October, 2022.



 JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:



 CONNIE DIAZ, MMC
 CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:



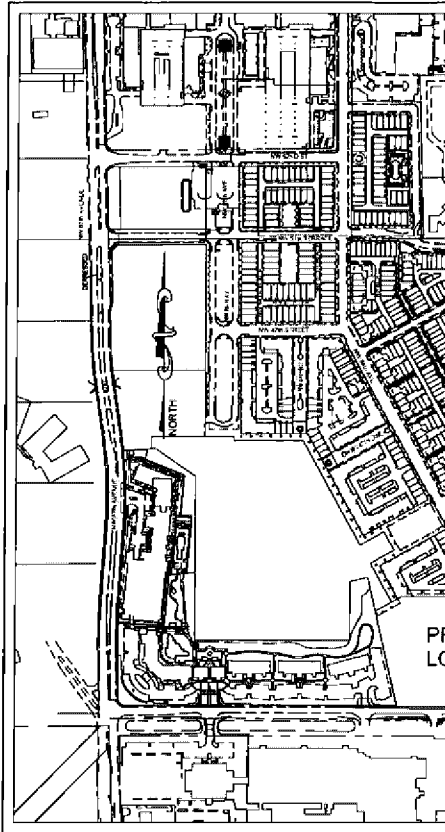
 LUIS FIGUEREDO, ESQ.
 CITY ATTORNEY

EXHIBIT "A"

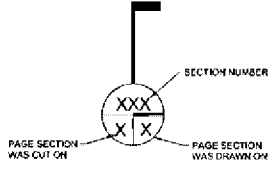
PAVING, GRADING DOWNTOWN DORA

DRAWING INDEX

Sheet #	Sheet Name	Revised #	Revision Date
CA-01	PAVING, GRADING & DRAINAGE LOCATION PLAN		
CA-02	PAVING, GRADING & DRAINAGE PLAN		
CA-03	PAVING, GRADING & DRAINAGE PLAN		
CA-04	PAVING, GRADING & DRAINAGE PLAN		
CA-05	PAVEMENT MARKING AND SIGNAGE PLAN		
CA-06	PAVEMENT MARKING AND SIGNAGE PLAN		
CA-07	PAVEMENT MARKING AND SIGNAGE PLAN		
CA-08	PAVING, GRADING & DRAINAGE DETAILS		
CA-09	PAVING, GRADING & DRAINAGE CROSS SECTIONS		
CA-10	PAVING, GRADING & DRAINAGE NOTES		
CA-11	PAVING, GRADING & DRAINAGE STRUCTURE TABLE		
CA-12	DRAINAGE PIPE SIZING CALCULATIONS		
CA-13	DRAINAGE PIPE SIZING CALCULATIONS		
CA-14	DRAINAGE PIPE SIZING CALCULATIONS		
CA-15	DRAINAGE PIPE SIZING CALCULATIONS		
CA-16	DRAINAGE PIPE SIZING CALCULATIONS		



LEGEND



THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS, AS ADOPTED BY THE FLORIDA LEGISLATURE, CHAPTER 72-328 F.S.

PROPOSED LEGEND

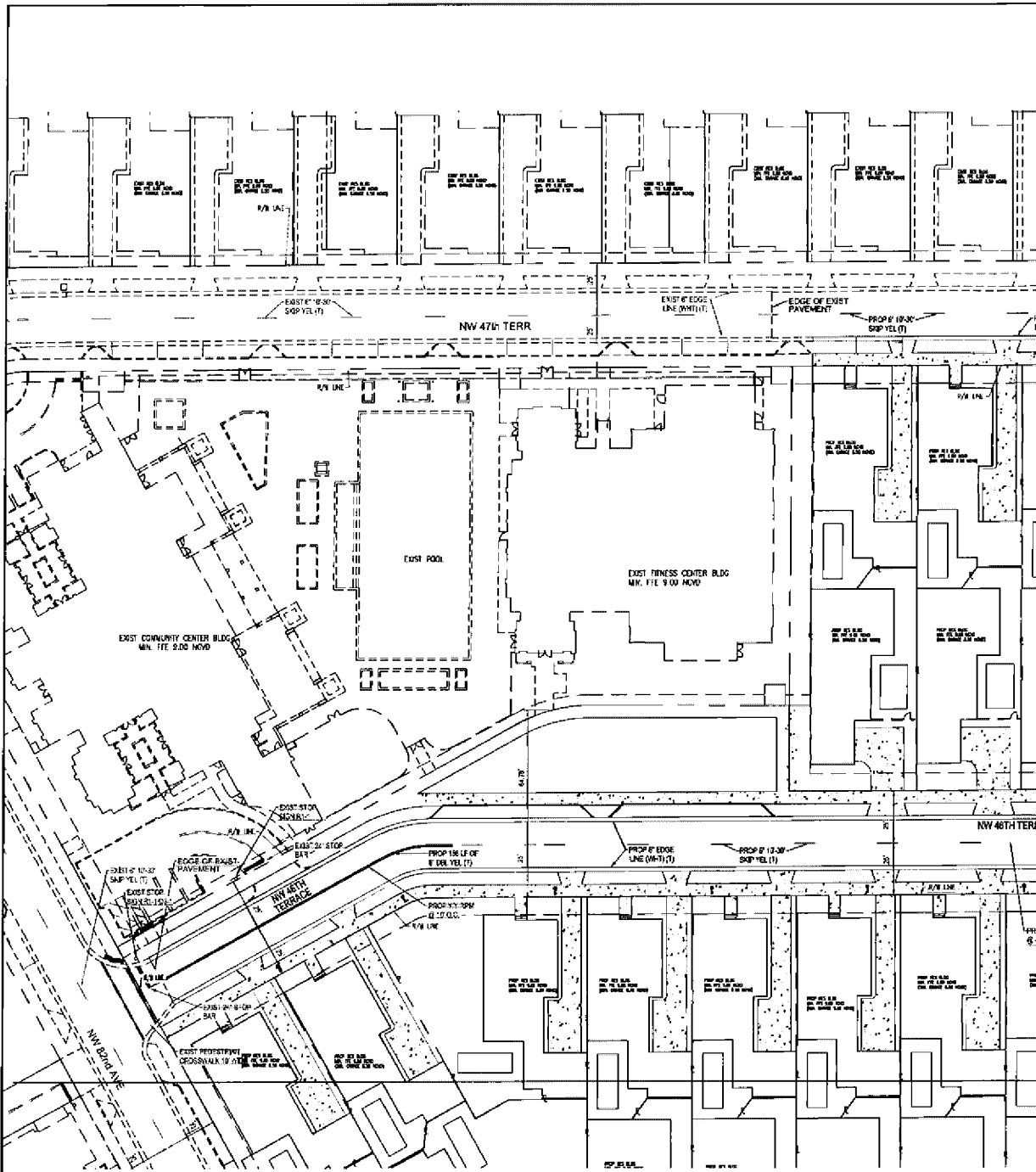
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	DRAINAGE FLOW ARROW		2" ASPHALT
	PAVEMENT ELEVATION		CONCRETE

ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT, 2019 EDITION, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR WATERWAY, MARINE AND COASTAL CONSTRUCTION, FDOT, 2019 EDITION.

NO.	DATE	DESCRIPTION	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.
1	07/29/23	PER COUNTY REVIEW COMMENTS							

RECORD OF REVISION

LUDOVICI & ORA
CONSULTING ENGINEERS
329 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305

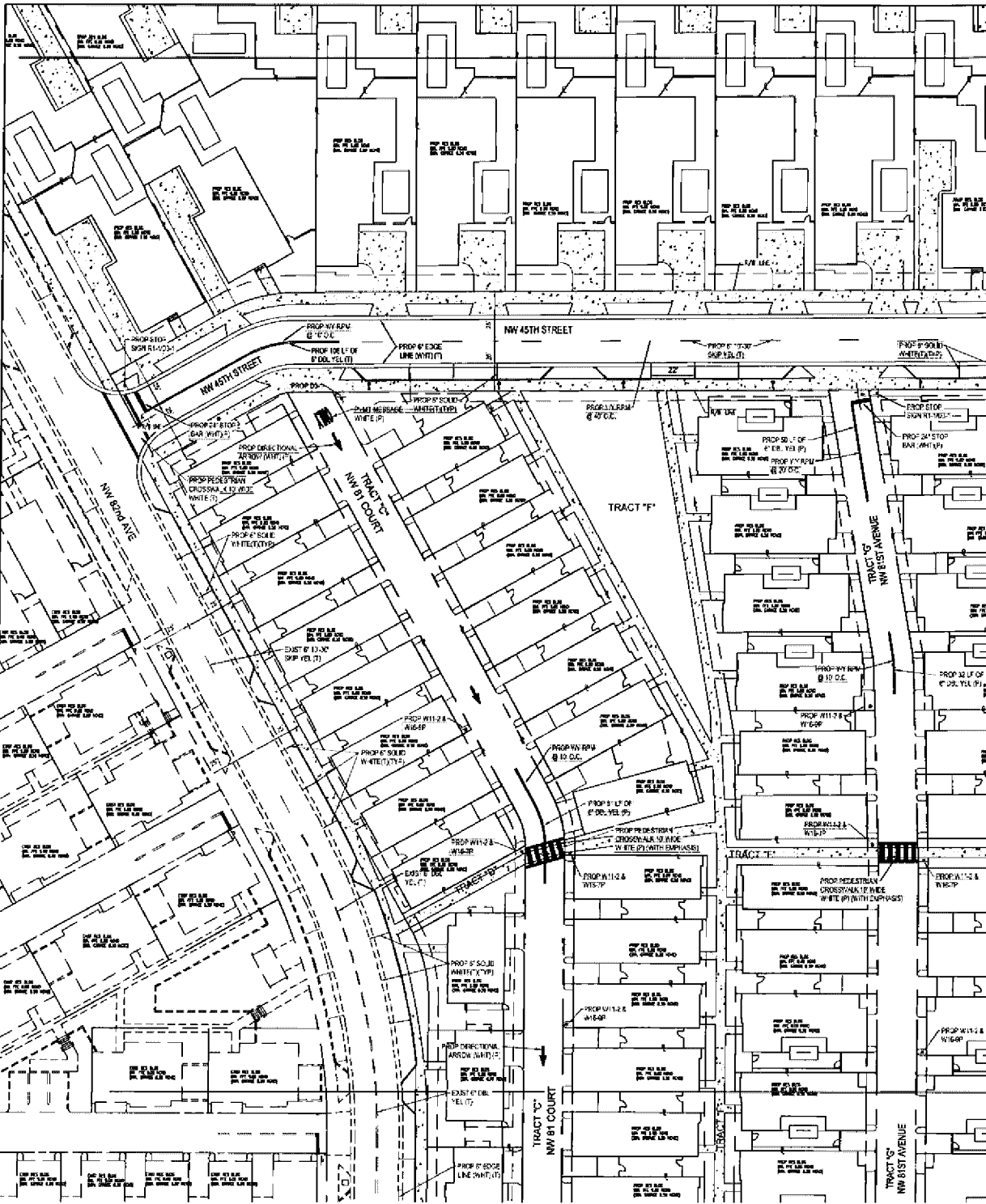


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1	07/26/20	PER COUNTY REVIEW COMMENTS							

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LUDOVICI & ORA
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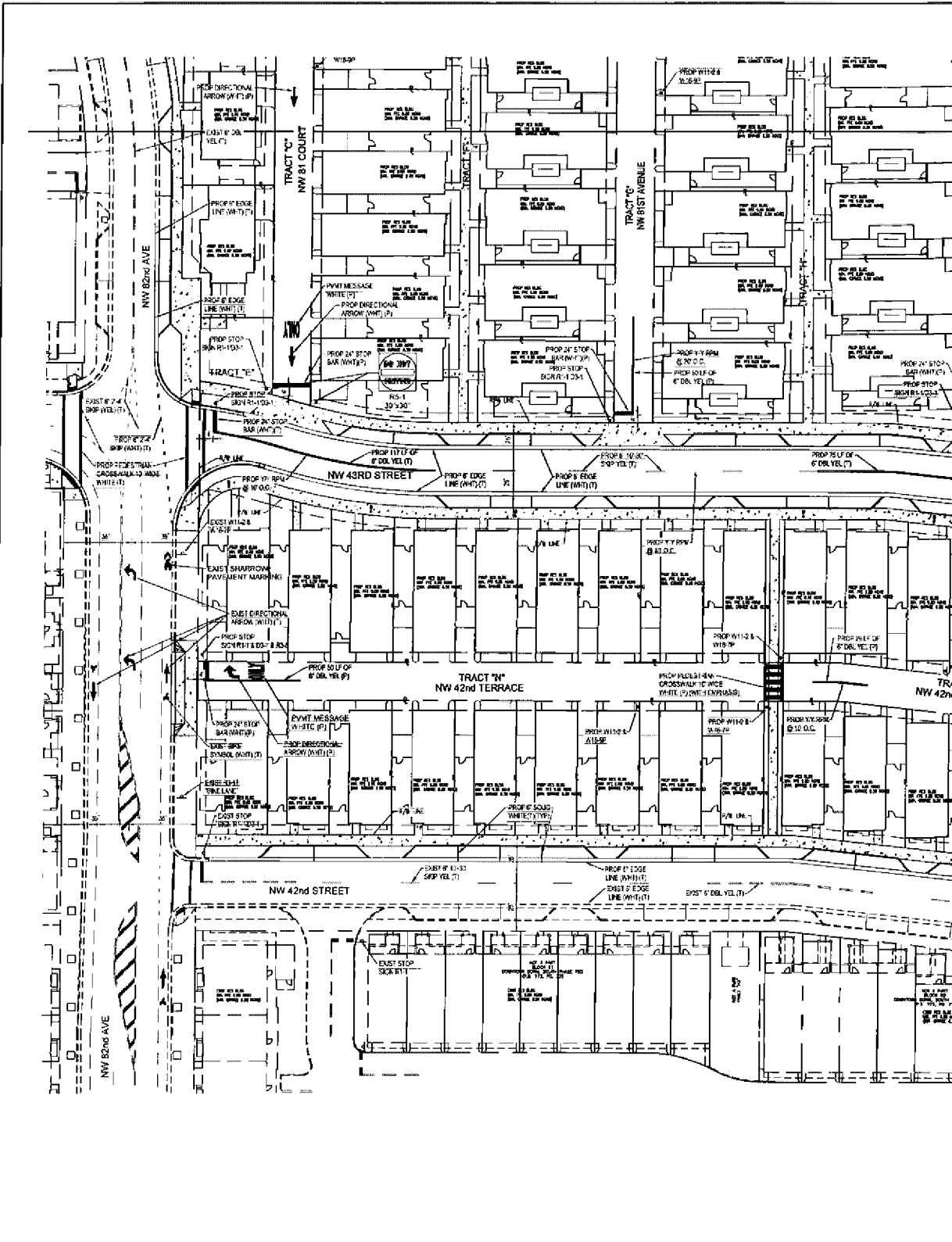
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LUDOVICI & ORA
CONSULTING ENGINEERS

329 PALERMO AVENUE, CORAL GABLES, FLORIDA 33131 • 305/

RECORD OF REVISION



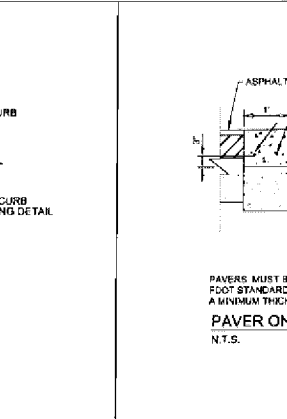
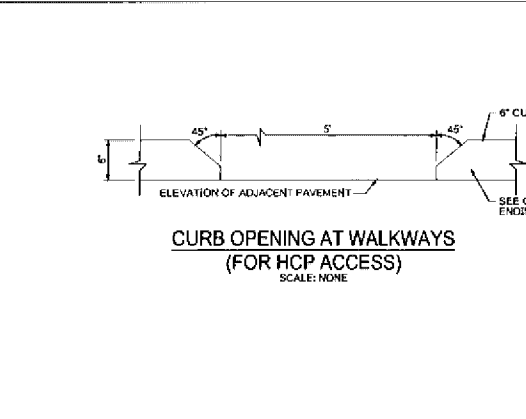
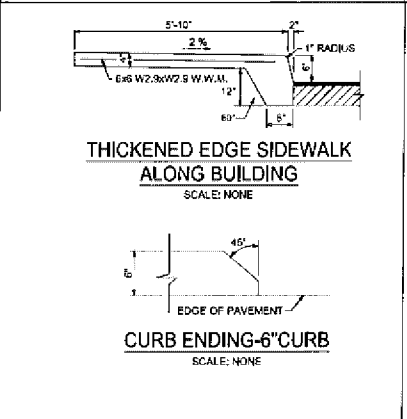
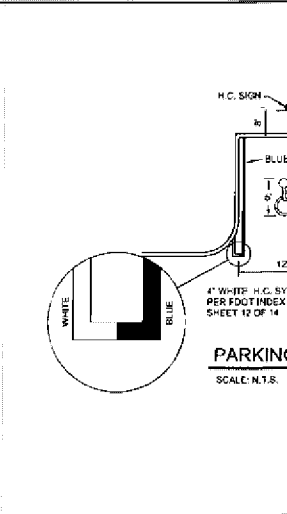
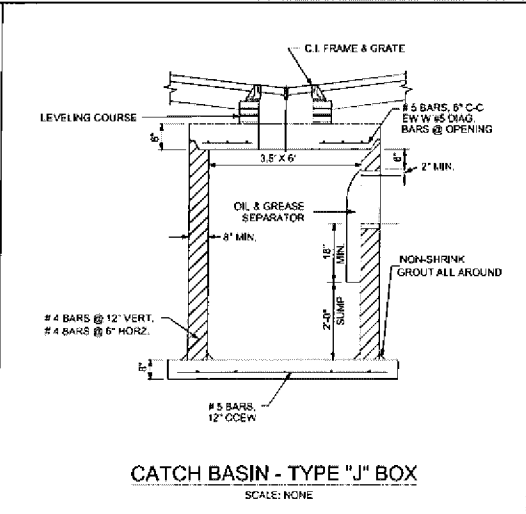
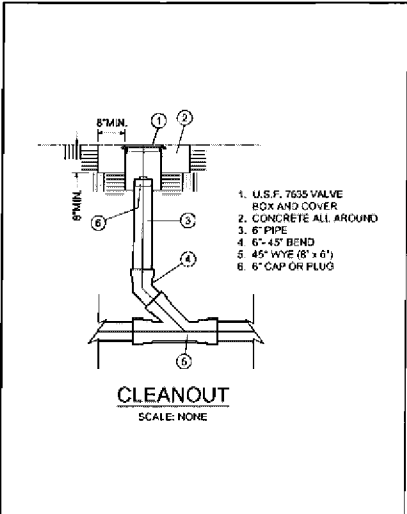
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1	07/29/23	PER COUNTY REVIEW COMMENTS							

RECORD OF REVISION



LUDOVICI & ORA
 CONSULTING ENGINEERS
 329 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 3056



6.3 5' T

Hemmed Bicyclist Symbol

4.2 5' T

Bike Lane Arrow

NOTES

1. All bicycle markings and messages shall be blue.
2. All bicycle markings shall be performed in accordance with the Florida Department of Transportation (FDOT) Manual of Uniform Traffic Control Devices (MUTCD).
3. All bicycle markings shall be performed in accordance with the Florida Department of Transportation (FDOT) Manual of Uniform Traffic Control Devices (MUTCD).
4. All bicycle markings shall be performed in accordance with the Florida Department of Transportation (FDOT) Manual of Uniform Traffic Control Devices (MUTCD).

FDOT INDEX 17347

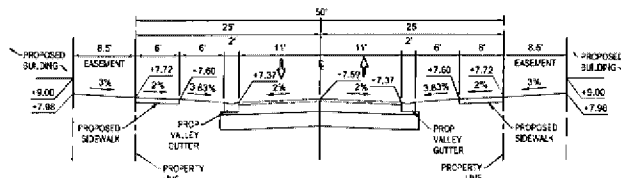
DISABLED PARKING SIGN DETAIL
N.T.S.

NOTE: SIGNS ARE TO BE MOUNTED AT HEIGHT OF 7'-0" FROM PAVEMENT TO BOTTOM OF SIGN.

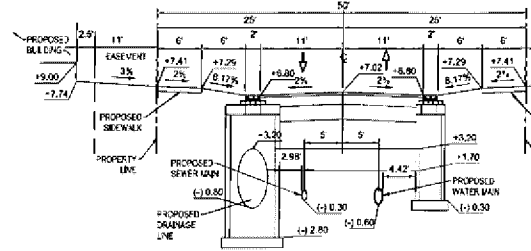
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RECORD OF REVISION									

LUDOVICI & ORA
CONSULTING ENGINEER

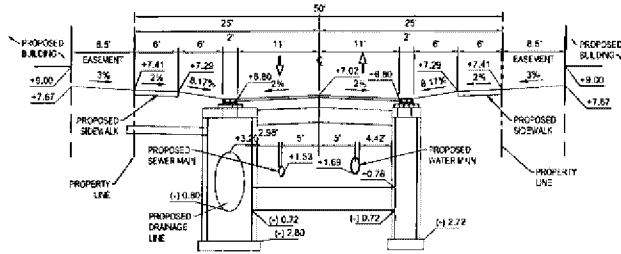
329 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305/...



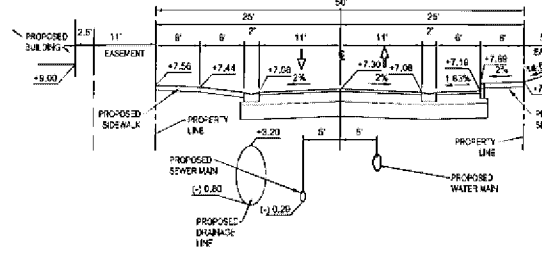
A1 NW 46th TERRACE
SCALE: 1"=5'V, 1"=10'H (LOOKING WEST)



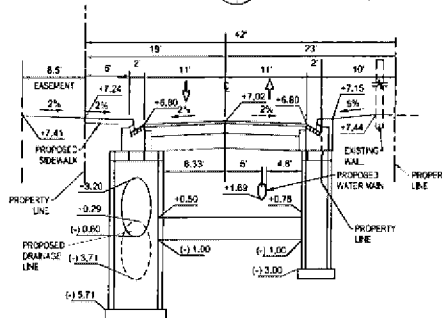
A5 NW 45th STREET
SCALE: 1"=5'V, 1"=10'H (LOOKING EAST)



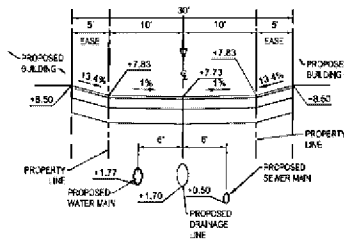
A2 NW 46th TERRACE
SCALE: 1"=5'V, 1"=10'H (LOOKING EAST)



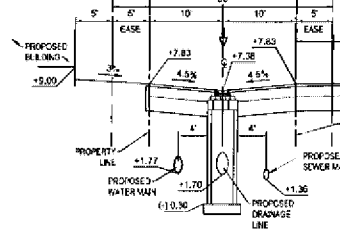
A6 NW 45th STREET
SCALE: 1"=5'V, 1"=10'H (LOOKING EAST)



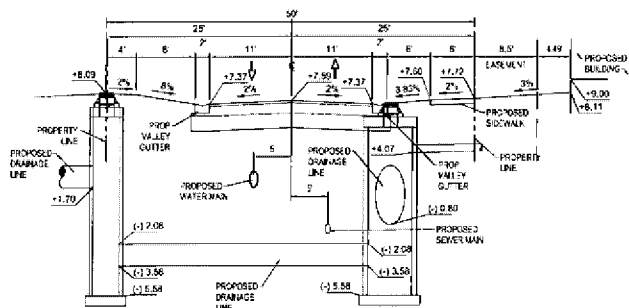
A3 NW 80th AVENUE
SCALE: 1"=5'V, 1"=10'H (LOOKING NORTH)



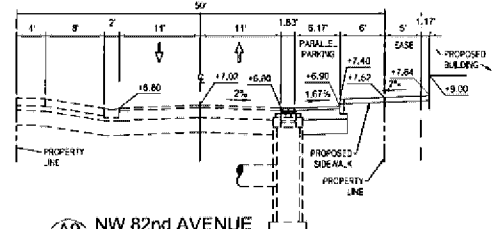
A7 NW 81st COURT
SCALE: 1"=5'V, 1"=10'H (LOOKING NORTHWEST)



A8 NW 81st COURT
SCALE: 1"=5'V, 1"=10'H (LOOKING NORTH)



A4 NW 45th STREET
SCALE: 1"=5'V, 1"=10'H (LOOKING WEST)



A9 NW 82nd AVENUE
SCALE: 1"=5'V, 1"=10'H (LOOKING NORTHWEST)

DATE: 11/20/23 BY: LUDOVICI & ORA CONSULTING ENGINEERS

NO.	DATE	DESCRIPTION	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.

RECORD OF REVISION

LUDOVICI & ORA
CONSULTING ENGINEERS
320 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305.440.0000

- I. GENERAL NOTES**
1. ALL ELEVATIONS REFER TO N.G.M.D. 1989.
 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION.
 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATION AND GIVING NOTICE OF REQUIRED INSPECTIONS, IN DOING THIS, HONOR THE LEAD-TIME NEEDS OF THE RESPECTIVE AGENCIES.
 4. NOTIFY ENGINEER'S FIELD REPRESENTATIVE AHEAD OF TIME SO THAT HE CAN MAKE REQUIRED INSPECTIONS LISTED BELOW.
 5. EXISTING FACILITIES:
 - a. PROMPTLY PATCH AND REPAIR ANY DAMAGES CAUSED TO EXISTING FACILITIES AND UTILITIES, CLOSELY MATCH TEXTURES AND FINISHES OF EXISTING ADJACENT SURFACES. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. INSPECT AND TEST PATCHED AREAS TO DEMONSTRATE INTEGRITY OF THE INSTALLATION, WHERE FEASIBLE.
 - b. CONTRACTOR TO VERIFY LOCATION, ELEVATION, MATERIAL AND CONDITION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
 - c. THE LOCATIONS OF EXISTING FACILITIES HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE LOCATION OF FACILITIES IN THE FIELD.
 - d. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
 - e. EXISTING LAND MARKERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REFERENCED BY THE CONTRACTOR'S SURVEY PARTY AND IF DISTURBED, SHALL BE RESET.
 - f. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 - g. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SOODED WITH ST. AUGUSTINE GRASS AND 15% INCENTIVA TO THE CONTRACTOR.
 - h. EXISTING ASPHALT PAVEMENT THAT IS TO BE REMOVED SHALL BE TRUCKED OFF-SITE BY THE CONTRACTOR FOR DISPOSAL AT A LOCATION APPROVED BY MIAMI-DADE COUNTY.
 - i. RUBBISH AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE.
 - j. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION.
 - k. ALL WORK SHALL BE PERFORMED ACCORDING TO THE STANDARDS OF THE CITY OF DORAL, APPLICABLE PORTIONS OF THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION CONTRACT DETAIL PLAN ARE HEREBY INCORPORATED BY REFERENCE. IN THE EVENT THAT A CITY STANDARD DIFFERS FROM INFORMATION SHOWN ON THESE PLANS, CONSIDER THE ENGINEER.
 - l. THE CONTRACTOR'S WORK SHALL NOT BE MAINTAINED COMPLETE UNTIL ACCEPTED BY THE CITY OF DORAL, INCLUDING ANY REQUIRED TESTS, CERTIFICATIONS "AS-BUILT" DRAWINGS, AND THE LIKE.
 - m. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY PRE-CONSTRUCTION MEETINGS WITH THE CITY OF DORAL, AND/OR ANY OTHER AGENCY, AND PRIOR TO EXCAVATION OF FRENCH DRAIN TRENCH FOR INSPECTION BY THE ENGINEER, AND PRIOR TO ANY FINAL INSPECTION OR WALK-THROUGH.
 - n. CLEAR AN REMOVE FROM ROADWAY AREAS OF ALL VEGETATION, TOPSOIL, ROOTS, AND OTHER DELETERIOUS MATERIALS. DELETERIOUS MATERIALS (I.E. TOPSOIL, ORGANIC TREES, SHRUBS, LOW VEGETATION, HAZARDOUS SYSTEMS AND RUBBISH) SHALL BE REMOVED IN THEIR ENTIRETY FROM BENEATH THE PROPOSED ROADWAY AREAS.
 6. SURVEY LAYOUT:
 - a. HORIZONTAL: RADIUS AND OFFSETS SHOW ON CURVE NOSES AND RETURNS ARE TO THE INSIDE FACE OF CURVE UNLESS OTHERWISE NOTED.
 - b. THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IF ANY ADDITIONAL DIMENSIONS OR SPECIFICATIONS ARE NEEDED TO LAYOUT OR CONSTRUCT THE PROJECT.
 - c. SLOPE:
 1. UNDERGROUND CONTRACTOR SHALL COMPLY WITH THE TRENCH SAFETY ACT, 183.03, FLORIDA STATUTES, WHICH INCORPORATES, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - a. DESIGN STANDARD 43 C.F.R. PART 1202, SUBPART F, EXCAVATION AND TRENCHES.
 - b. ADHERE TO ANY SPECIAL SHORING REQUIREMENTS OF THE STATE OR OTHER POLITICAL SUBDIVISION.
 - c. ENGINEER IS NOT RESPONSIBLE FOR THE SAFETY OF THE EXCAVATION OR DESIGN AND CONSTRUCTION OF ANY SHORING.
 - d. THE CONTRACTOR SHALL CONDUCT ALL CONSTRUCTION OPERATIONS IN A MANNER TO PREVENT INJURY TO PEOPLE AND WORKERS, AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES, ENSURE SAFE PASSAGE OF PEOPLE AROUND WORKING AREAS.
 2. NO MODIFICATIONS TO THESE PLANS ARE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER, NO AGENCY INSPECTOR, CONTRACTOR, OR OWNER IS AUTHORIZED TO UNILATERALLY MODIFY THESE PLANS.
 3. EXCEPT AS PARTICULARLY NOTED ON THE PLANS, ALL PROPOSED CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF DORAL, MIAMI-DADE COUNTY PUBLIC WORKS MANUAL. IF ANY ITEM OF WORK IS NOT COVERED IN EITHER OF THE SPECIFICATIONS, CONTRACTOR SHALL CONSULT THE ENGINEER FOR RECORD.
 4. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 7. PRE-CONSTRUCTION:
 - a. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST CATCH BASINS AND MANUFACTURER'S LITERATURE FOR ALL PIPE, FITTINGS AND OTHER HARDWARE FOR REVIEW BY THE ENGINEER.
 - b. SUBMITTALS (SHOP DRAWINGS AND PRODUCT LITERATURE): NUMBER REQUIRED: ONE TO BE RETAINED BY ENGINEER PLUS WHATEVER ADDITIONAL MAY BE NEEDED BY CONTRACTOR. SHOP ALL PRODUCTS AND MATERIALS.
 - c. SHOP DRAWINGS SHALL BE CHECKED AND APPROVED BY THE CONTRACTOR AND THEN SUBMITTED TO THE ENGINEER FOR RECORD FOR REVIEW PRIOR TO THE PURCHASE OR INSTALLATION OF ANY SYSTEM COMPONENTS.
 - d. POST CONSTRUCTION: RECORD DRAWINGS/PROJECT CLOSEOUT:
 1. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DIRT, DEBRIS CAUSED BY CONSTRUCTION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING BEFORE START OF CONSTRUCTION.
 2. HONOR CITY OF DORAL REQUIREMENTS.
 3. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE DRAINAGE SYSTEM BY MIAMI-DADE COUNTY DOW.
 8. MISCELLANEOUS:
 - a. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL EXISTING MANHOLE AND INLET COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON PLANS OR NOT.
 - b. ELEVATIONS AND LOCATIONS SHOWN ON PLANS FOR MANHOLE INLETS AND THE LIKE ARE PRODUCED AS A REFERENCE FOR PERMITTING, ESTIMATING AND PRECASTING. ACTUAL ELEVATIONS AND LOCATIONS SHALL MATCH FINISHED SURFACES, INCLUDING CROSS-SLOPES, WHERE APPLICABLE.
 9. PERMITS AND APPROVALS:
 - a. ENGINEER IS RESPONSIBLE FOR OBTAINING REGULATORY AGENCY APPROVALS OF CONSTRUCTION DRAWINGS.
 - b. OWNER IS RESPONSIBLE FOR OBTAINING CONSTRUCTION PERMITS FOR THOSE WORKS FOR WHICH THE REGULATORY AGENCIES ISSUE PERMITS ONLY TO THE OWNER.
 - c. CONTRACTOR IS RESPONSIBLE FOR PULLING ALL OTHER NECESSARY CONSTRUCTION PERMITS, UNLESS OTHERWISE PROVIDED IN THE CONTRACT BETWEEN CONTRACTOR AND OWNER, THE CONTRACTOR SHALL PAY THE CONSTRUCTION PERMIT FEES.

II. PAVING, GRADING AND DRAINAGE

 1. PAVING, GRADING AND DRAINAGE:
 - a. COMPACTED BASE COURSE THICKNESS FOR ASPHALTIC CONCRETE PAVEMENTS:
 1. 8" LIMBROCK BASE W/ A MIN. LBR OF 100, COMPACTED TO 98% OF THE MAX. DENSITY AS DETERMINED BY AASHTO T-180.
 2. 12" STABILIZED SUB-BASE, W/ A MIN. LBR-40, COMPACTED TO 95% OF THE MAX. DENSITY AS DETERMINED BY AASHTO T-180.
 3. ASPHALTIC CONCRETE THICKNESS:
 - a. 1-1/2" MINIMUM (TWO 3/4" LIFTS)
 - b. TILLET BASIN FRAMES & BRATES:
 1. U.S. FOUNDRY #100-6222 (RANGED) UNLESS NOTED OTHERWISE IN DRAINAGE STRUCTURE TABLE
 2. SOLID STORM DRAINAGE PIPE
 3. MANHOLES:
 - (1) ADVANCED DRAINAGE SYSTEMS, INC. "ADS N-12" SMOOTH-LINED CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, PERFORATED WHERE APPLICABLE.
 - OR
 - (2) EQUIVALENT 16 GAUGE, ALUMINUM, PERFORATED, AASHTO M195, TYPE III, CLASS 2 PERFORATION
 - (3) SOLID PIPE: EQUIVALENT 16 GAUGE, ALUMINUM, AASHTO M195, TYPE I.
 4. MAIN WATER LEADERS AND CONDENSATE DRAINS: FIVE CHAPTER 11; 4" AND LARGER SHALL BE PVC SDR 36; 3" AND SMALLER SHALL BE PVC SCHEDULE 40 OR 80
 5. WHERE NEW PAVEMENT IS TO MEET EXISTING PAVEMENT, ALL EDGES OF EXISTING PAVEMENT ARE TO BE SAW-CUT.
 6. ALL GRADERS SHOWN ARE FINISH ASPHALT PAVEMENT GRADES UNLESS OTHERWISE NOTED
 7. ALL EXISTING STORM INLETS SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT AGAINST SILTATION IN DRAINAGE SYSTEM.
 2. TRAFFIC GENERAL NOTES & CONDITIONS (THESE NOTES ARE REQUIRED BY THE MDPWD)
 1. ENGINEER SHALL PREPARE SIGNING & PAVEMENT MARKING PLANS IN A SEPARATE SHEET (1" = 30' SCALE MINIMUM)
 2. ENGINEER SHALL SEE & VERIFY FIELD CONDITIONS BEFORE PREPARING PROPOSED SIGNING & PAVEMENT MARKING PLANS.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL PAVEMENT MARKINGS AND SIGNS FROM EXISTING LOCATIONS WITHIN THE PLANS AND APPLICABLE TRAFFIC DESIGN STANDARDS.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS AS SHOWN IN THE PLANS AND APPLICABLE TRAFFIC DESIGN STANDARDS.
 5. CONTRACTOR SHALL BE RESPONSIBLE FOR WATCHING EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT, AND AT ALL INTERSECTING SIDE STREETS.
 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF REFLECTIVE PAVEMENT MARKERS ALONG THE ENTIRE LENGTH OF THE PROJECT.
 7. ANY SIGNING MATERIAL, INCLUDING SUPPORTS TO BE REMOVED, SHALL BE DELIVERED BY THE CONTRACTOR TO MIAMI-DADE COUNTY TRAFFIC SIGNALS AND SIGNS MAINTENANCE FACILITY LOCATED AT 7100 NW 38 STREET, MIAMI, FLORIDA. SIGN ASSEMBLY LOCATIONS SHOWN IN THE PLANS WHICH ARE IN CONFLICT WITH THE STREET LIGHTING UTILITIES, DRIVEWAYS, PEDESTRIAN RAMPS, ETC., MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER/INSPECTOR.
 8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FED RAMP/STRAKE WALK WHERE SIDEWALK IS EXISTING OR PROPOSED (ADA-PMU).
 3. SIGNAGE/PAVEMENT MARKINGS/MAINTENANCE OF TRAFFIC:
 1. THE CONTRACTOR SHALL CONTACT THE CITY OF DORAL PUBLIC WORKS DEPARTMENT TO OBTAIN A GENERAL PLAN FOR MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SPECIFIED TRAFFIC PLANS.
 2. COORDINATE MAINTENANCE OF TRAFFIC WITH AFFECTED PARTIES.
 3. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNERS AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
 4. ALL EXISTING PAVEMENT MARKINGS THAT WILL BE IN CONFLICT WITH THE PROPOSED MARKINGS SHALL BE REMOVED EXISTING OR PROPOSED PUBLIC RIGHTS-OF-WAY:
 - a. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC. FOLLOW FOOT SPECIFICATIONS SECTION 711 - THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS.
 - b. PAVEMENT MARKINGS WITHIN PRIVATE PROPERTY SHALL BE THE FOLLOWING:
 1. PARKING STRIPES:
 - (1) FOLLOW FOOT SPECIFICATIONS SECTION 710 - PAINTING TRAFFIC STRIPES.
 - (2) ALL PAVEMENT STRIPES TO BE 4", SOLID WHITE
 - (3) STOP BARS, DOUBLE YELLOW
 - (4) FOLLOW FOOT SPECIFICATION SECTION 711 THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS
 2. TRAFFIC SIGNS
 - a. MATERIALS: FOLLOW FOOT SPECIFICATION SECTION 706-HIGHWAY SIGNING; AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, U.S. DEPARTMENT OF TRANSPORTATION (M.U.T.C.D.) LATEST EDITION.
 - b. PLACEMENT: IN ACCORDANCE WITH THE M.U.T.C.D., PART II, SIGNS, IN LOCATIONS SHOWN ON THE PLANS.
 - c. FRIEZEGLASS BLANKS FOR TRAFFIC SIGNS ARE ALLOWED IN LIEU OF ALUMINUM.
 5. INSPECTIONS/TESTING:
 - a. EACH INSPECTION MUST BE COMPLETED BY ENGINEER'S FIELD REPRESENTATIVE PRIOR TO CONTRACTOR'S PROCEEDING TO NEXT STEP.
 - b. DRAINAGE INSPECTIONS EACH STRUCTURE
 - (1) EXCAVATE TRENCH, CALL FOR INSPECTION:
 - i. INSPECTION: LENGTH, DEPTH, AND WIDTH OF TRENCH.
 - ii. INSTALL FABRIC, ROCK AND PIPE. CALL FOR INSPECTION:
 - i. INSPECTION: DIAMETER, MATERIAL, LENGTH OF PIPE.
 - ii. COMPLETE THE CONSTRUCTION.
 - iii. BASE ROCK: BEFORE PRIMING; AND BEFORE PLACING ASPHALTIC CONCRETE.
 - (2) SITE GRADING
 6. REFERENCE SPECIFICATIONS: THE FOLLOWING MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS ARE HEREBY INCORPORATED BY REFERENCE. THESE STANDARDS ARE TAKEN FROM THE CITY OF DORAL, MIAMI-DADE COUNTY PUBLIC WORKS MANUAL PART I:
 1. DRAINAGE AND SUBGRADE - FOLLOW MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS.

SECTION	TITLE
30	EXCAVATION AND EMBANKMENT
32	STABILIZING
40	RESTORATION OF TRENCHES
61	LIMBROCK BASE
100	PRIME AND TACK COATS
132	ASPHALTIC BINDER COURSE
133	TYPE 1 ASPHALTIC CONCRETE SURFACE COURSE
145	CONCRETE SIDEWALK SPICES
168	STREET NAME SIGN
 2. DRAINAGE - FOLLOW MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS.

SECTION	TITLE
310	EXCAVATION, TRENCHING, AND BACKFILLING FOR PIPE STRUCTURES
328	DRAINAGE PIPE
340	STORM SEWER MANHOLES
350	CATCH BASINS
355	INLETS
 3. THE FOLLOWING MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS ARE HEREBY INCORPORATED BY REFERENCE. THESE STANDARDS ARE TAKEN FROM THE PUBLIC WORKS MANUAL PART I:

DETAIL	TITLE
R-10.2	ASPHALT DRIVEWAY COMMERCIAL
R-10.2 (2 SHEETS)	CONCRETE DRIVEWAY
R-13.1	SIDEWALK CONSTRUCTION
R-13.2	STANDARD SIDEWALK TRANSITION
R-14.1	CURB AND GUTTER SECTIONS
R-14.2	DRAIN SECTIONS
R-14.3	VALLEY GUTTER
R-14.4	CURB EDGINGS
R-14.4 (2 SHEETS)	CONCRETE VALLEY GUTTER (FOR 2 AND 4 LANE PAVEMENTS)
R-16.1 (SHEET 1)	STREET SIGN POST ASSEMBLY
R-16.1 (SHEET 2)	STREET SIGN POST TYPICAL INSTALLATION
R-16.1 (SHEET 3)	TYPE 1 STREET SIGN (ASSEMBLY & PARTICIPATION)
R-16.1 (SHEET 4)	STREET MESSAGE DETAILS
R-16.2	STREET STOP SIGN LOCATION
R-21.1	PAVEMENT RESTORATION FOR TRENCHES CUT IN PUBLIC RIGHTS-OF-WAY
SD-2.1	CATCH BASIN
SD-2.2	PRECAST CATCH BASIN
SD-2.3 (2 SHEETS)	CATCH BASIN FRAME AND GRADE
SD-2.4 (SHEET 1)	INLET, MANHOLE & JUNCTION BOX (TYPE J)
SD-2.4 (SHEET 2)	INLET, MANHOLE & JUNCTION BOX (TYPE P)
SD-2.4 (SHEET 3)	INLET, MANHOLE & JUNCTION BOX (TYPE S & J)
SD-3.0	JUNCTION BOX, MANHOLE TOP & PRECAST CONCRETE RISER DETAILS
SD-4.7	STORM SEWER MANHOLE FRAME AND COVER
SD-4.5	LEVELING COURSE
 4. MANHOLES: SEE FOOT INDEX NO. 304

NO.	DATE	DESCRIPTION	BY	APP.	DATE	DESCRIPTION	BY	APP.

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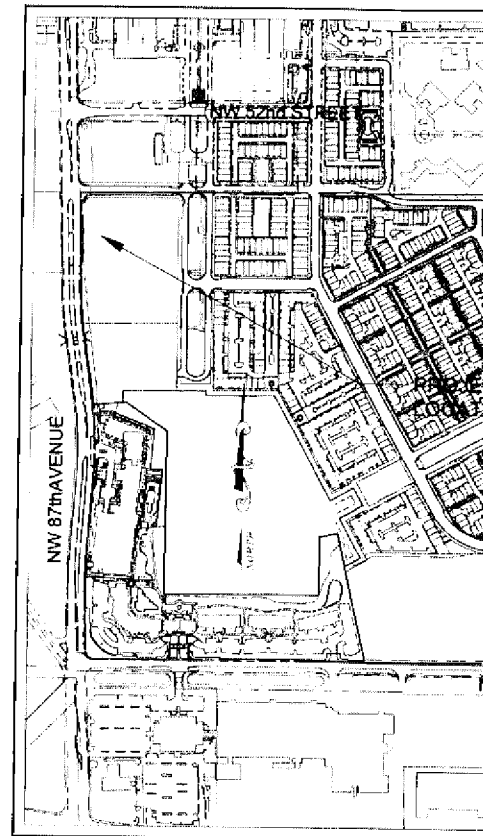
PAVING, GRAD DOWNTOWN DO

DRAWING INDEX			Number of	Revision Date
Sheet No.	Sheet Name			
CT-A1	PAVING, GRADING & DRAINAGE LOCATION MAP			
CT-A2	PAVING, GRADING & DRAINAGE LEGENDS - (VOID-SEE ARCHITECT'S BUILDING PLANS FOR FLOOD LEGEND)			
CT-A3	PAVING, GRADING & DRAINAGE - SHEET KEY MAP			
CT-B1	PAVING, GRADING & DRAINAGE PLAN			
CT-B2	PAVING, GRADING & DRAINAGE PLAN			
CT-B3	PAVING, GRADING & DRAINAGE PLAN			
CT-B4	PAVING, GRADING & DRAINAGE PLAN			
CT-B5	PAVING, GRADING & DRAINAGE PLAN			
CT-B6	PAVING, GRADING & DRAINAGE PLAN			
CT-B7	PAVING, GRADING & DRAINAGE PLAN			
CT-B8	PAVING, GRADING & DRAINAGE PLAN			
CT-B9	PAVING, GRADING & DRAINAGE PLAN			
CT-B10	PAVING, GRADING & DRAINAGE PLAN			
CT-B11	PAVING, GRADING & DRAINAGE PLAN			
CT-B12	PAVING, GRADING & DRAINAGE PLAN			
CT-C1	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C2	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C3	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C4	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C5	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C6	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C7	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C8	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C9	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C10	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C11	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-C12	PAVEMENT MARKING AND SIGNAGE PLAN			
CT-E1	PAVING, GRADING & DRAINAGE DETAILS			
CT-E2	PAVING, GRADING & DRAINAGE DETAILS			
CT-G1 - G5	PAVING, GRADING & DRAINAGE CROSS SECTIONS			
CT-H1 - H3	DRAINAGE PIPE SIZING CALCULATIONS			

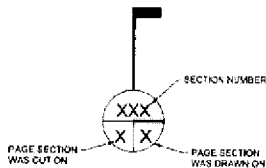
OFFSITE ROADWAY PLANS		
SHEET 1	KEY SHEET	
SHEET 2	PROJECT LAYOUT	
SHEET 3 TO 7	TYPICAL SECTIONS	
SHEET 8	GENERAL NOTES	
SHEET 9 TO 11	ROADWAY PLANS	
SHEET 20	SPECIAL DETAILS	

OFFSITE SIGNING AND PAVEMENT MARKING PLANS		
SHEET 5-1	KEY SHEET	
SHEET 5-2	GENERAL NOTES	
SHEET 5-3 TO 5-13	SIGNING AND PAVEMENT MARKING PLANS	

OFFSITE SIGNALIZATION PLANS		
SHEET 1-1	KEY SHEET	
SHEET 1-2	TABULATION OF QUANTITIES	
SHEET 1-3	SIGNALIZATION NOTES	
SHEET 1-4	SIGNALIZATION PLAN	
SHEET 1-5	SIGNALIZATION DETAIL A	
SHEET 1-6 TO 1-7	SIGNALIZATION PLAN	
SHEET 1-8	SIGNALIZATION DETAIL B	
SHEET 1-9 TO 1-10	SIGNALIZATION PLAN	
SHEET 1-11	SIGNALIZATION DETAIL C	
SHEET 1-12	MAST ARM TABULATION	
SHEET 1-13	MAST ARM ASSEMBLIES	



LEGEND



THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS, AS ADOPTED BY THE FLORIDA LEGISLATURE, CHAPTER 72-328 F.S.

PROPOSED LEGEND

PROPOSED LEGEND	EXISTING
CATCH BASIN, EXFILTRATION TRENCH, & STRUCTURE NUMBER	GROUND ELEVATION
DRAINAGE FLOW ARROW	2" ASPHALT
PAVEMENT ELEVATION	CONCRETE

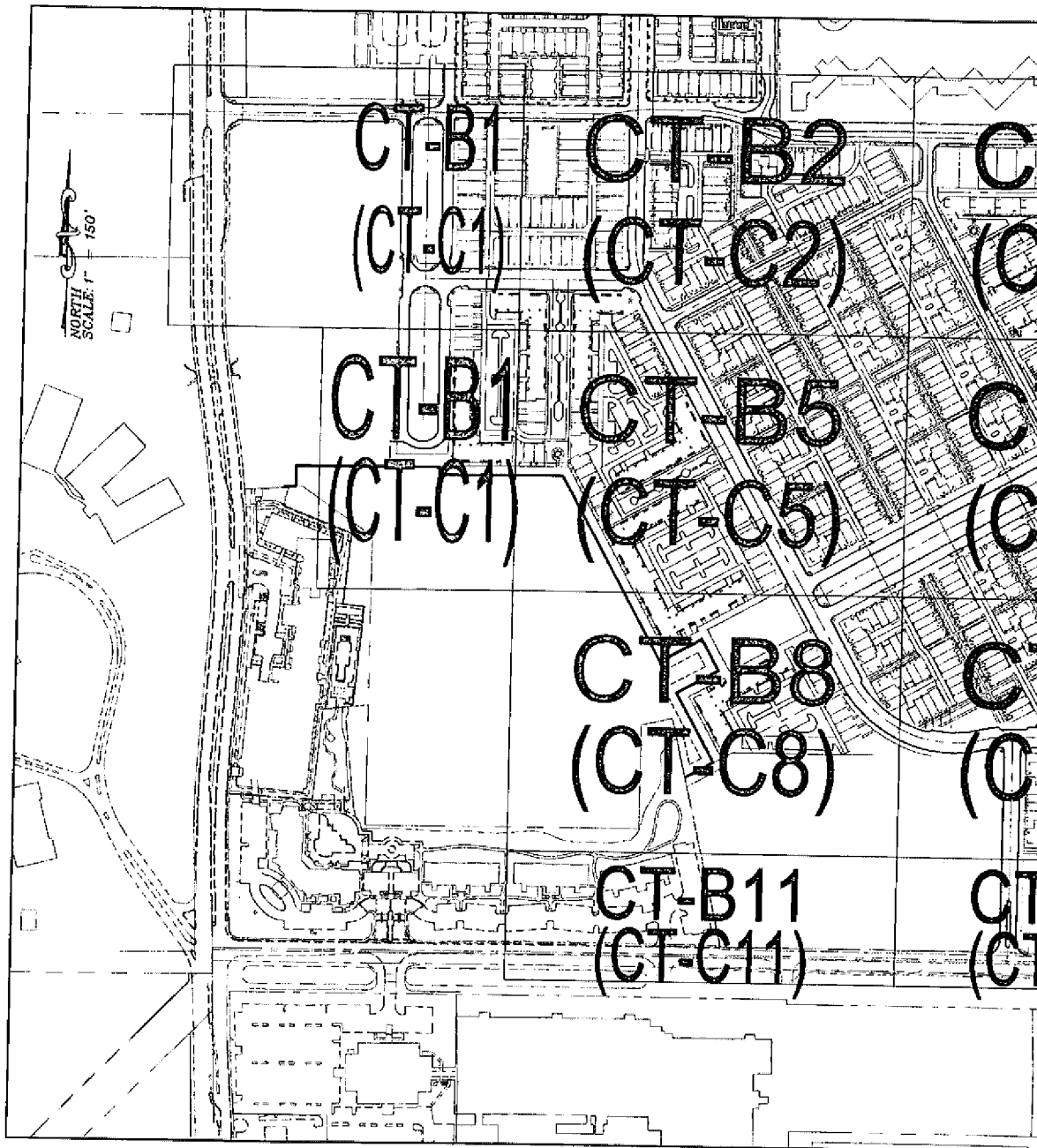
NO.	DATE	DESCRIPTION	BY	APP.
16	08-24-18	PER 2018 TRAFFIC REVIEW COMMENTS		
14	07-05-18	YARD DESIGN IS ADDED		
13	06-21-18	PER COUNTY TRAFFIC REVIEW COMMENTS		
12	05-11-18	ADDRESSING ISSUE AT 47TH AND PASEO		
11	04-04-18	GRADING COORDINATION WITH COWARITE		
10	04-03-18	GREYSTAR STRIPING COORDINATION		

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SHEET

13 06/25/18 PER COUNTY TRAFFIC REVIEW COMMENTS
 14 07/26/18 YARD DRAINS ADDED
 15 08/21/18 PER COUNTY TRAFFIC REVIEW COMMENTS
 12 05/11/18 ADDRESS: CB ISSUE AT 47TH AND PALMO
 11 04/24/18 GRADING COORDINATION WITH DOWNRITE
 10 04/08/18 GREYSTAR STRIPING COORDINATION

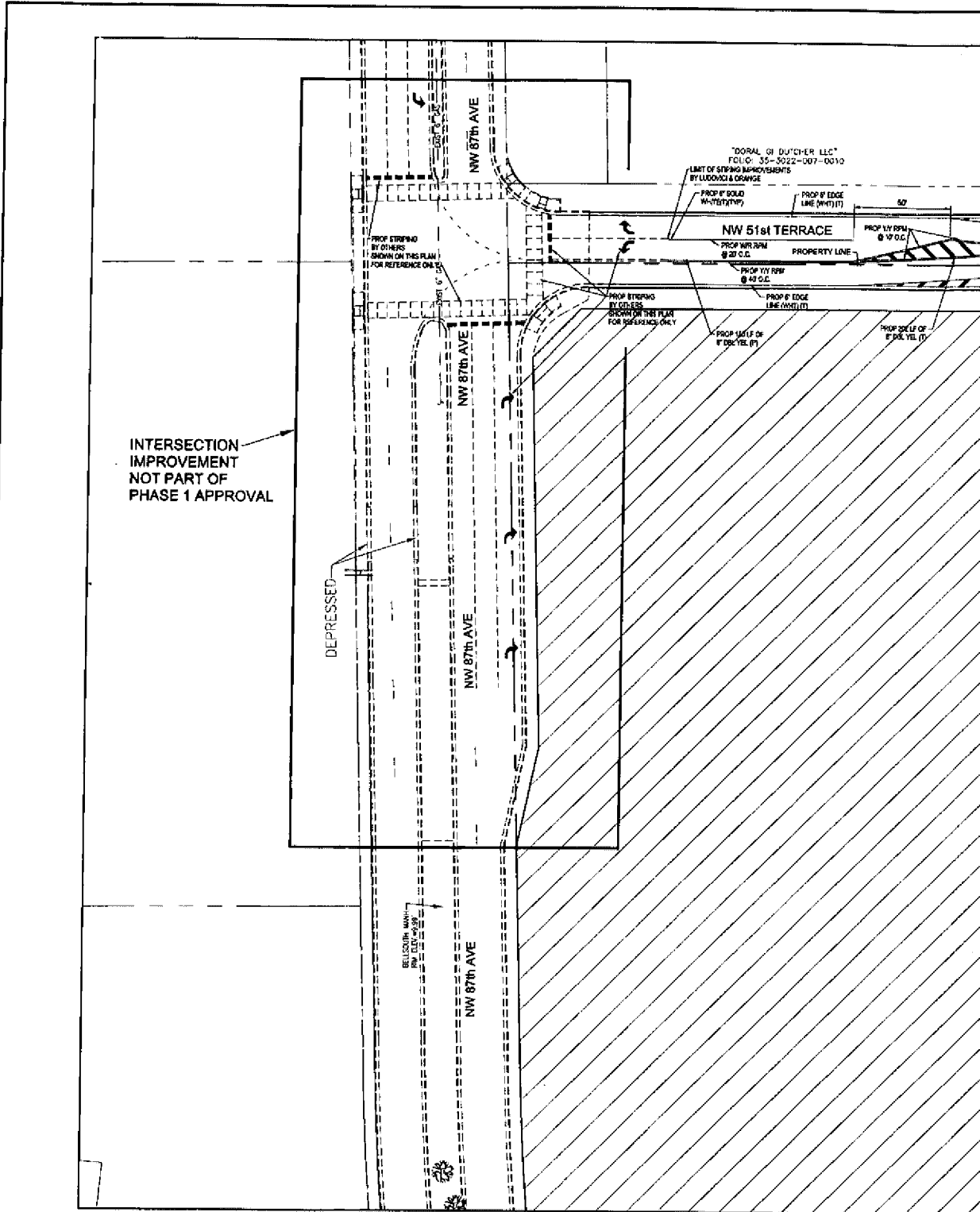
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Autocad Layout Title: CT-A3



DATE: 10/24/23
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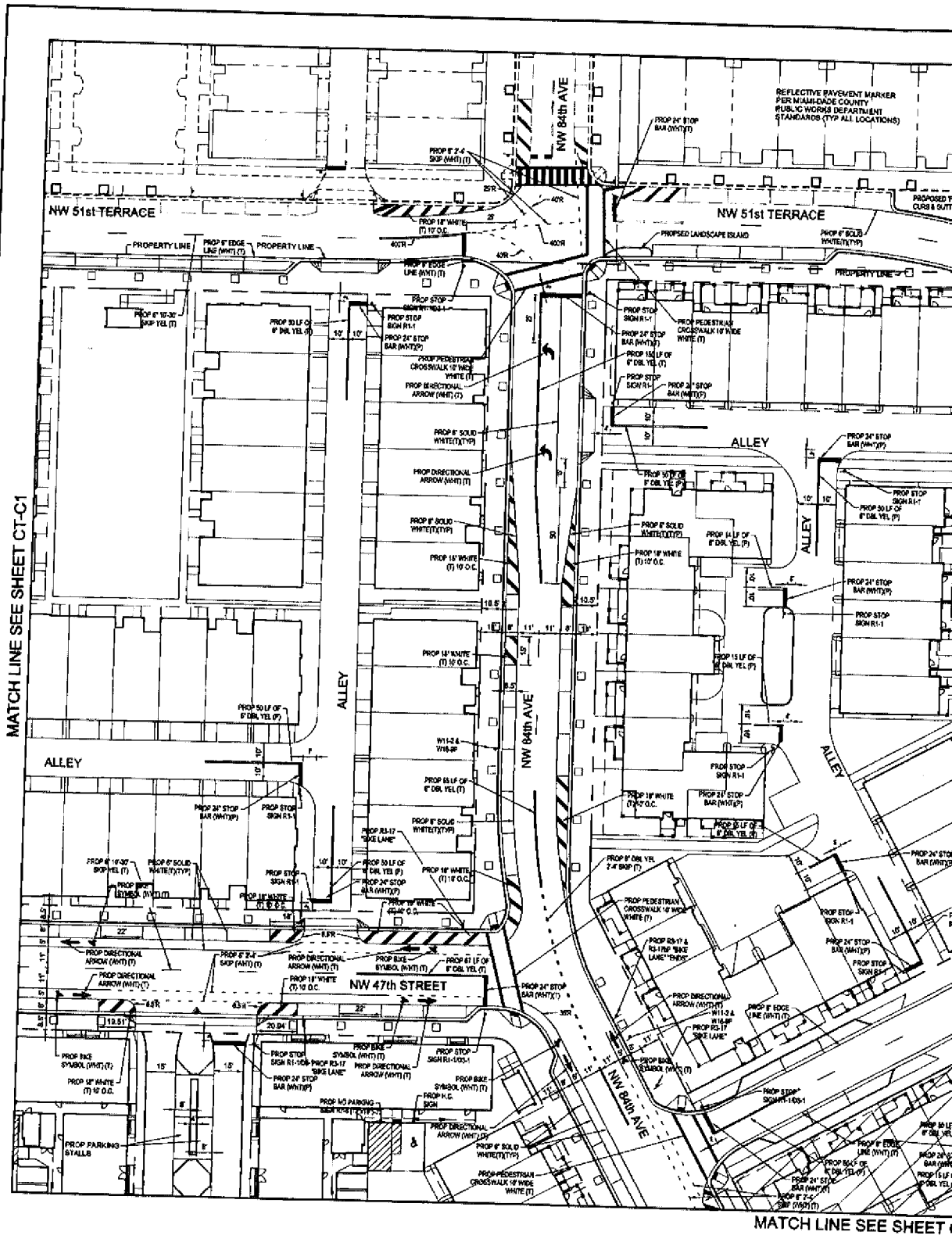
NO.	DATE	DESCRIPTION	BY	APP.
15	04/24/23	PER COUNTY TRAFFIC REVIEW COMMENTS		
14	07/05/23	YARD DRAINS ADDED		
13	02/11/23	PER COUNTY TRAFFIC REVIEW COMMENTS		
12	05/11/23	ADDRESSED CB ISSUE AT 47TH AND PASEO		
11	04/04/23	GRADING COORDINATION WITH DOWNGRADE		
10	02/02/23	GREYSTAR STRIPING COORDINATION		

RECORD OF REVISION



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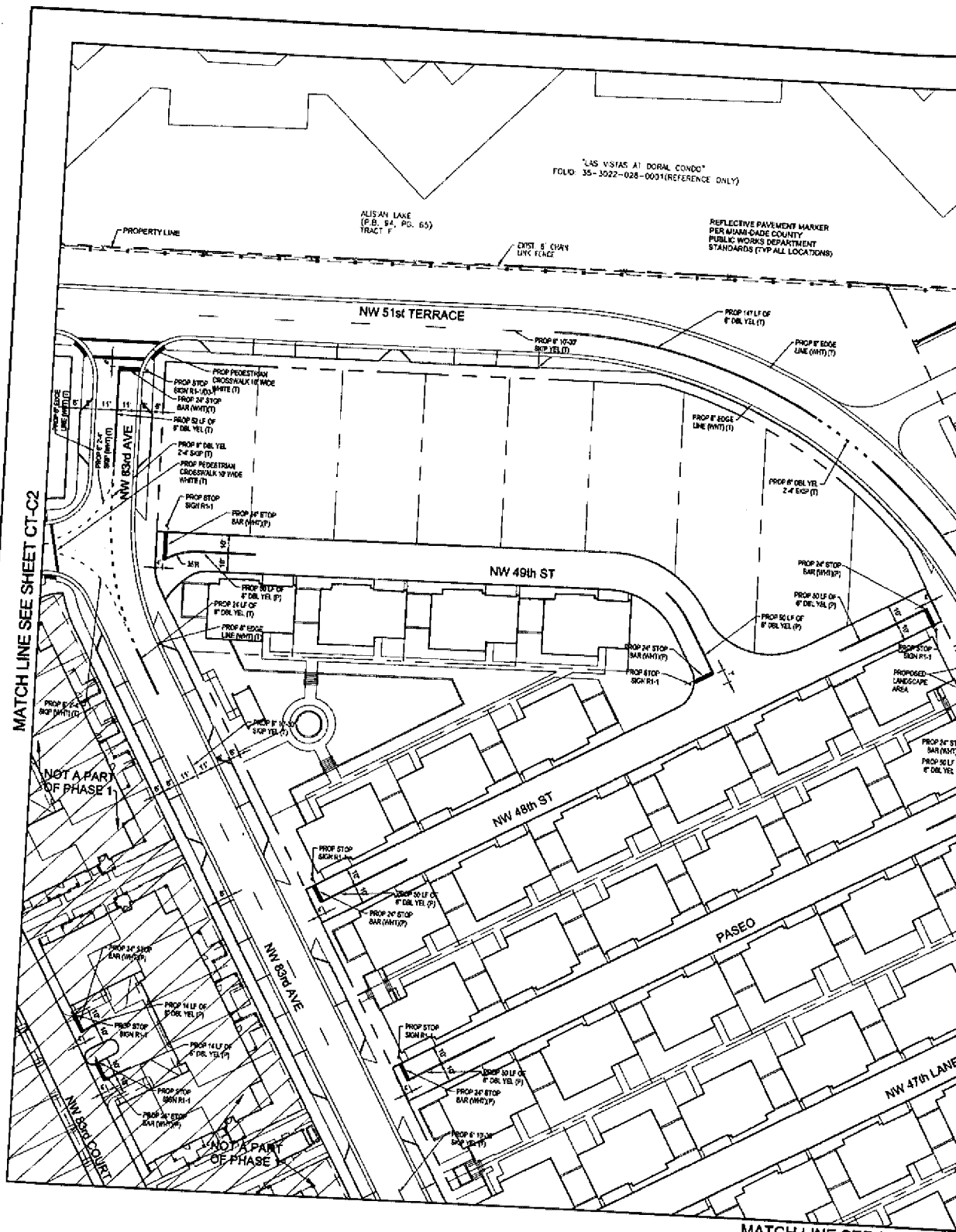
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12	05/11/23					ADDRESSED OR ISSUE AT 47TH AND PASSED		
11	04/18/23					GRADING COORDINATION WITH DOWNGRITE		
10	04/20/23					GREY STAR STRIPING COORDINATION		

RECORD OF REVISION



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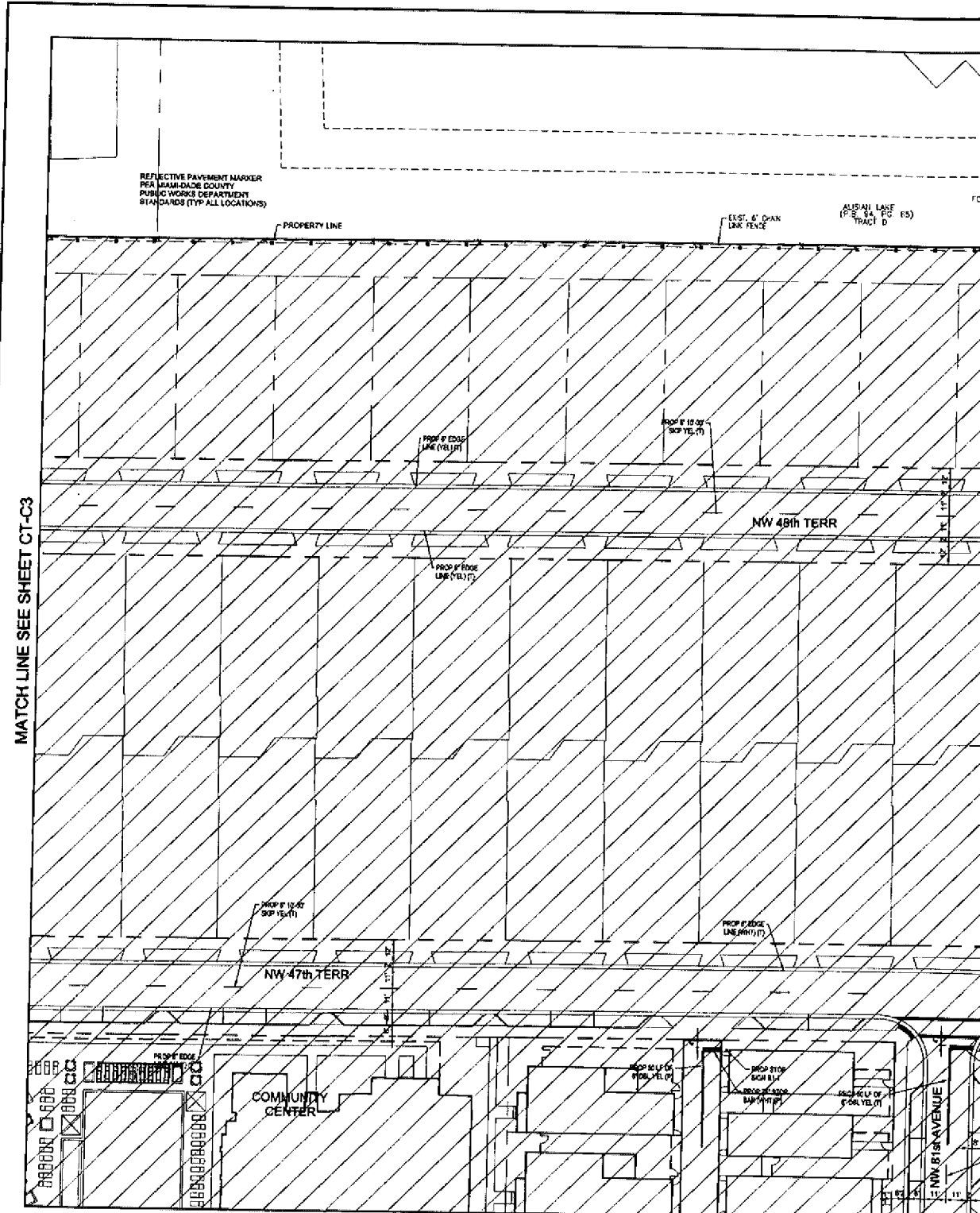
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14	07/06/18	YARD DRAINS ADDED							
13	06/21/18	PER COUNTY TRAFFIC REVIEW COMMENTS							
12	06/11/18	ADDRESS FC CR ISSUE AT 47TH AND PASEO							
11	06/06/18	SPADINE COORDINATION WITH DOWNSITE							
10	06/01/18	GREYSKI STRIPED OCCUPATION							



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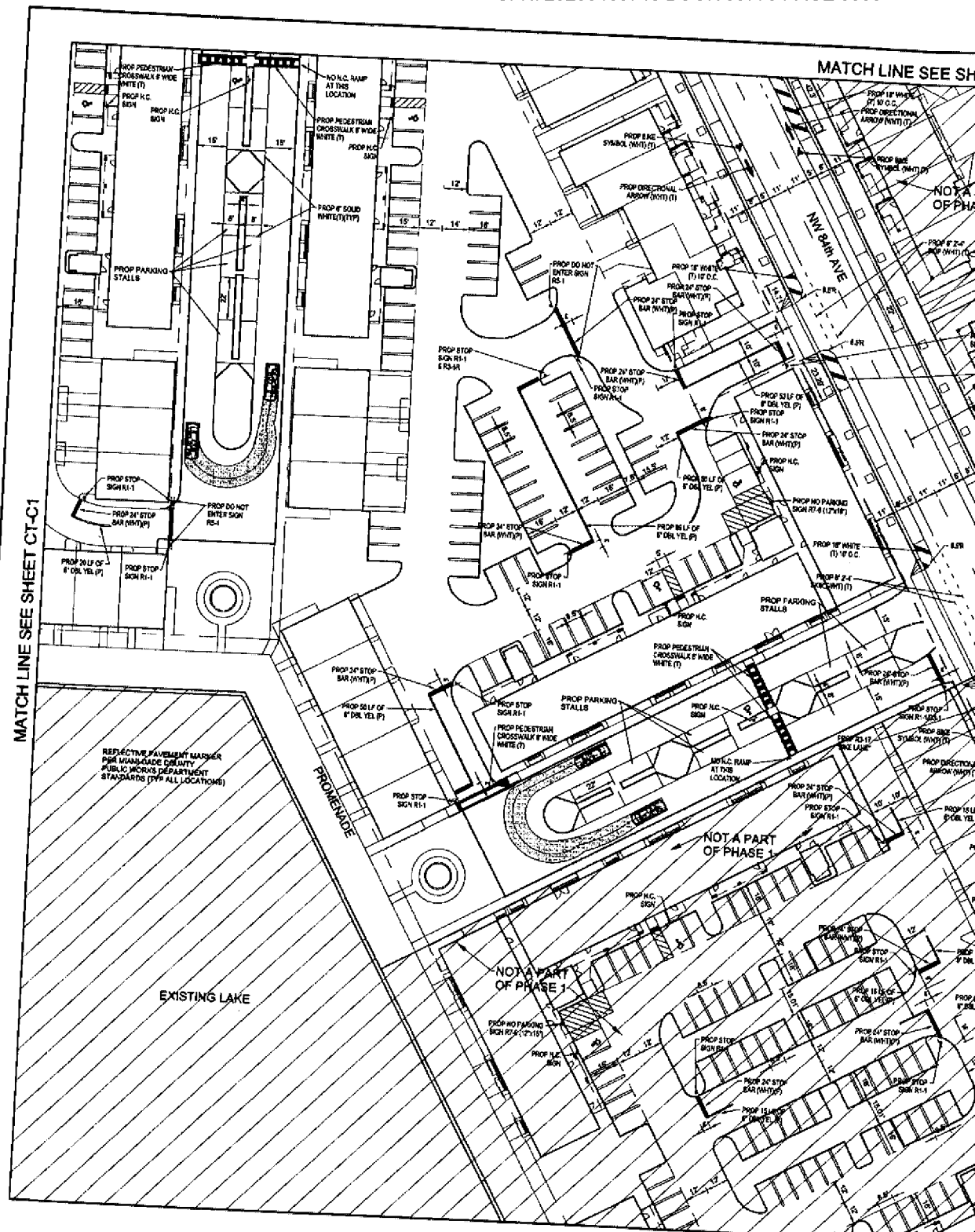
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NO.	DESCRIPTION	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.
12	PER COUNTY TRAFFIC REVIEW COMMENTS							
14	PER COUNTY TRAFFIC REVIEW COMMENTS							
15	PER COUNTY TRAFFIC REVIEW COMMENTS							
12	ADDRESS PER COUNTY TRAFFIC REVIEW COMMENTS							
11	ADDRESS PER COUNTY TRAFFIC REVIEW COMMENTS							
10	ADDRESS PER COUNTY TRAFFIC REVIEW COMMENTS							
9	ADDRESS PER COUNTY TRAFFIC REVIEW COMMENTS							
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RECORD OF REVISION



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NO.	DATE	DESCRIPTION	BY	APP.
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14	07/26/19	YARD DRAINS ADDED		
13	06/21/19	BAR COUNTY TRAFFIC REVIEW COMMENTS		
12	05/11/19	ADDRESS SIGN ISSUE AT 4TH AND PASSED		
11	04/04/19	GRADING COORDINATION WITH DOWNRITE		
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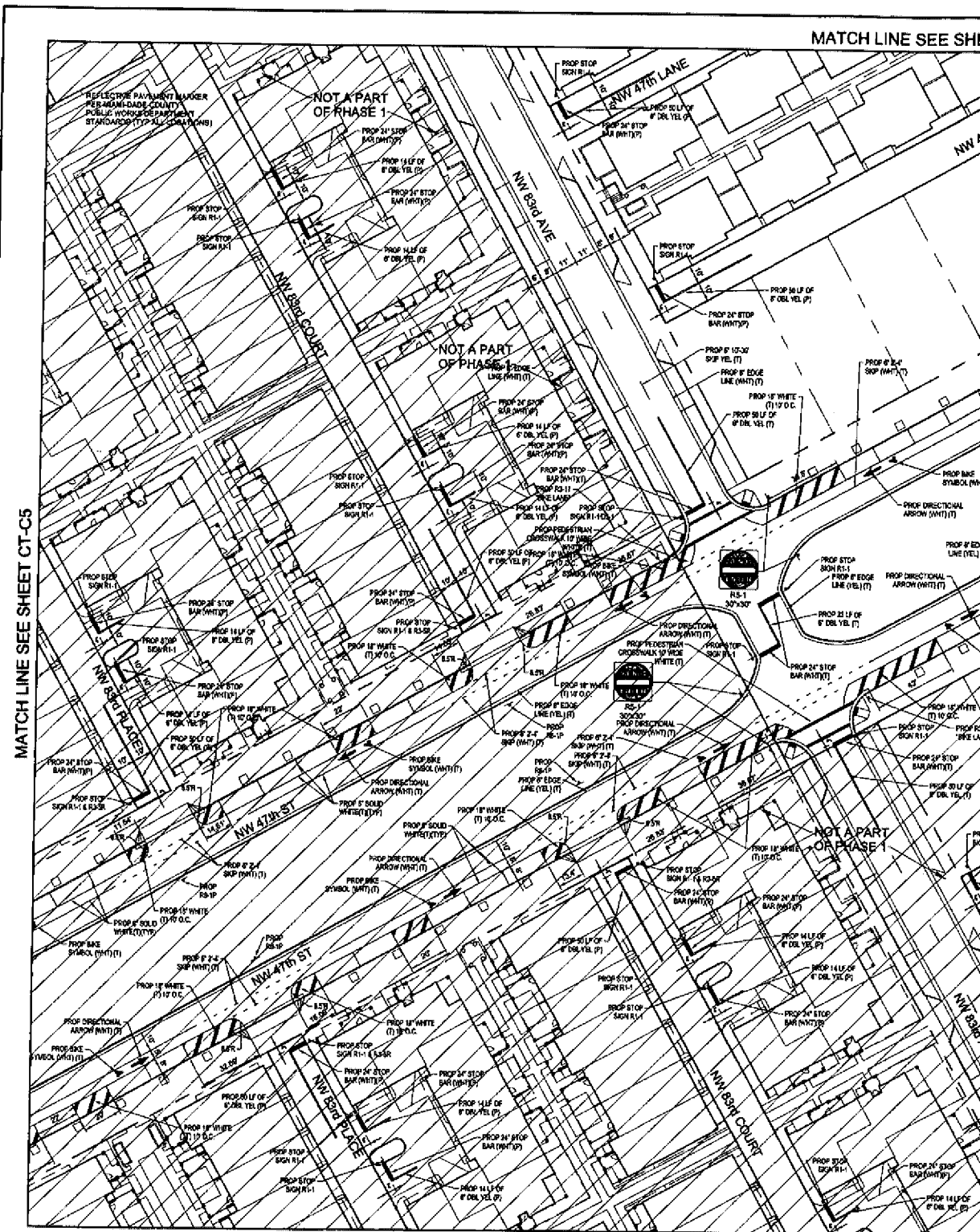
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 329 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305/448-1600 • L

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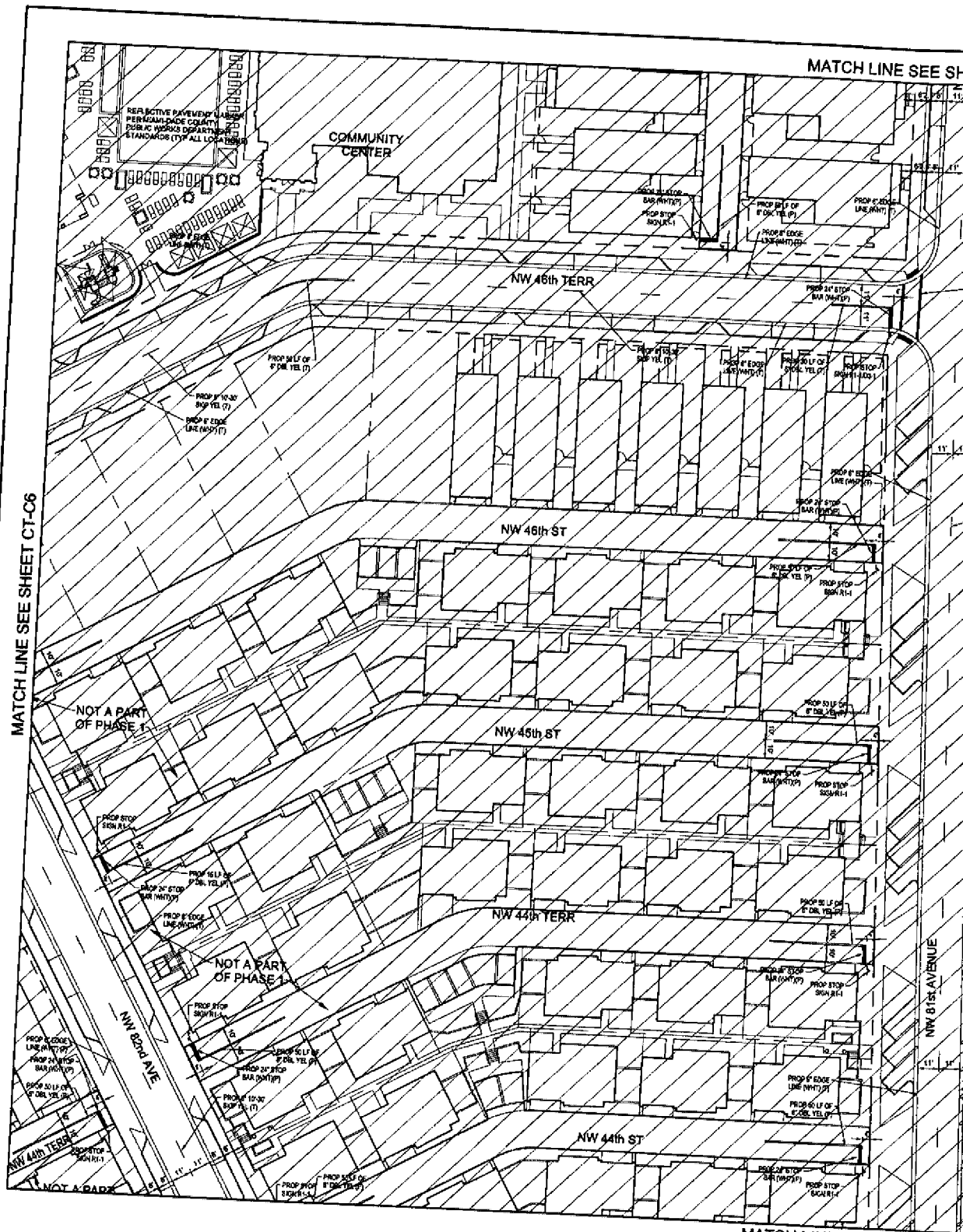
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15	0621111 GREYSTAR STRIPING CORRECTION				

RECORD OF REVISION



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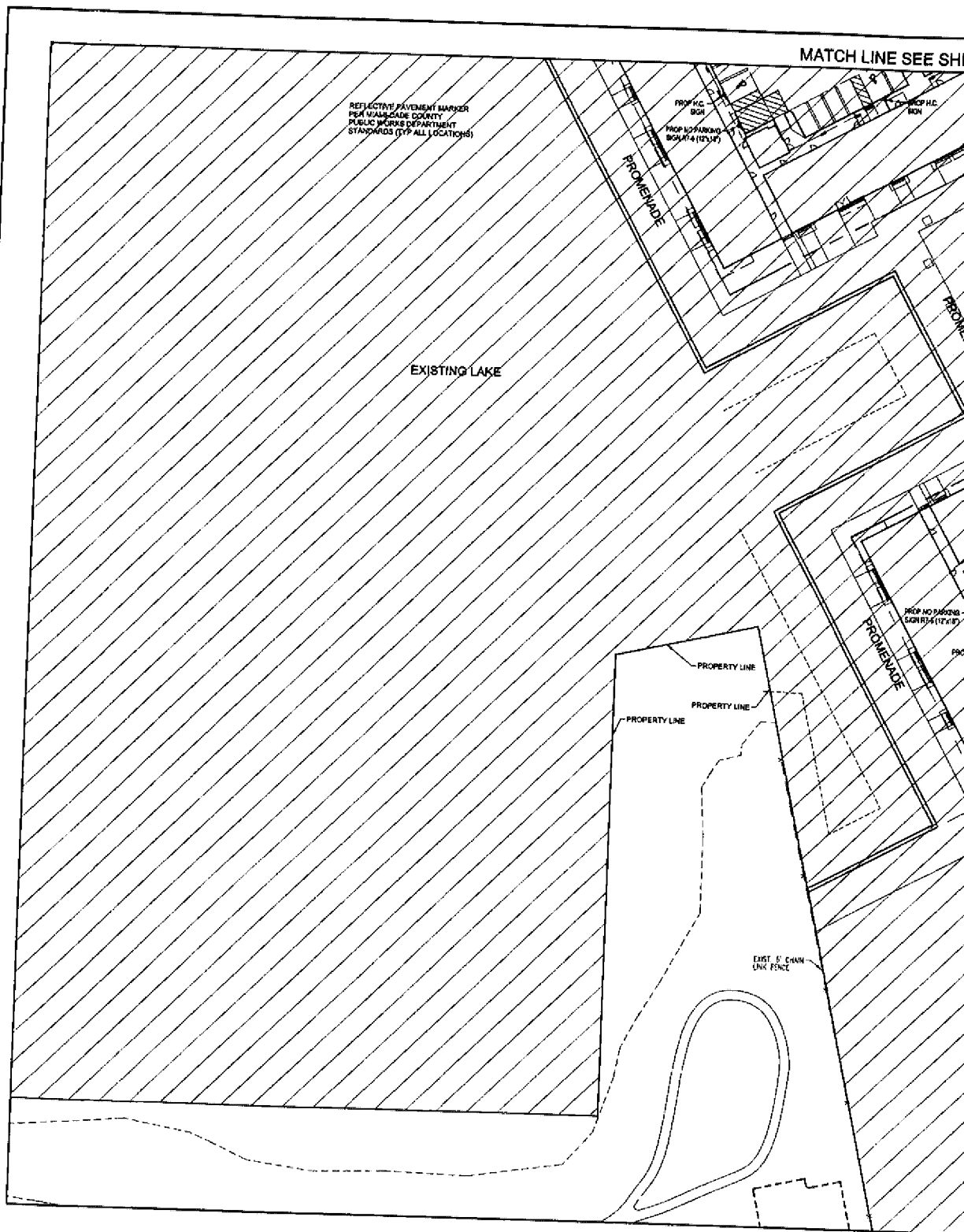
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12	06/11/18	ADDRESSED CR ISSUE AT 4TH AND PASEO				
11	04/24/18	GRADING COORDINATION WITH DONORITE				
10	11-20-17	GREYSTAR STRIPING COORDINATION				



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RECORD OF REVISION

Autocad Layout Tab: CT-C7



NO.	DATE	DESCRIPTION	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.
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14	07/26/18	YARD DRAINS ADDED							
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12	06/11/18	ADDRESS TO BE SET AT 17TH AND PASEO							
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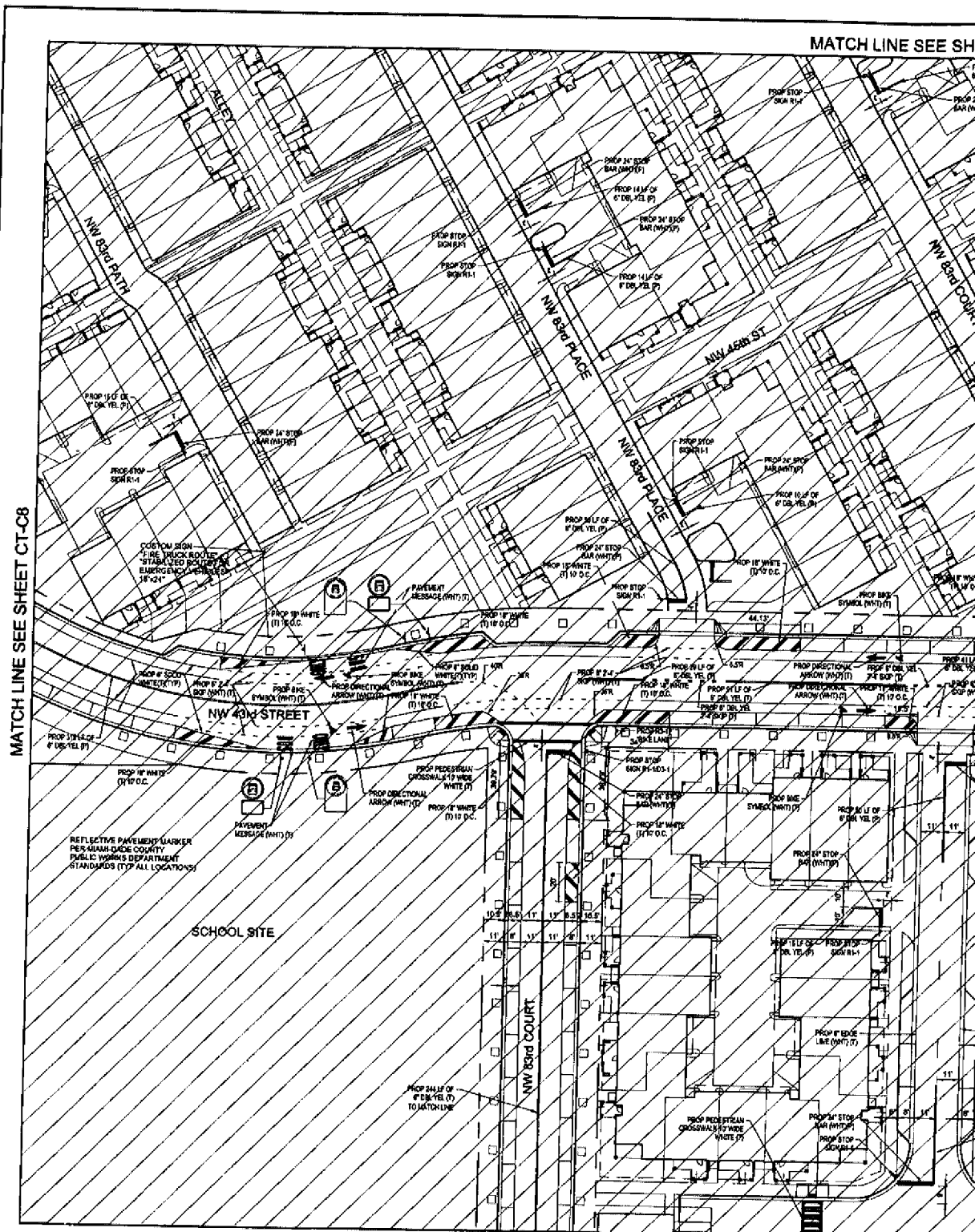
RECORD OF REVISION



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ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING:
 1. AASHTO ROAD BUILDING SPECIFICATIONS
 2. MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 3. HAWAII COUNTY PUBLIC WORKS DEPARTMENT STANDARDS FOR REFLECTIVE PAVEMENT MARKERS

Approved Layout Title: CT-04



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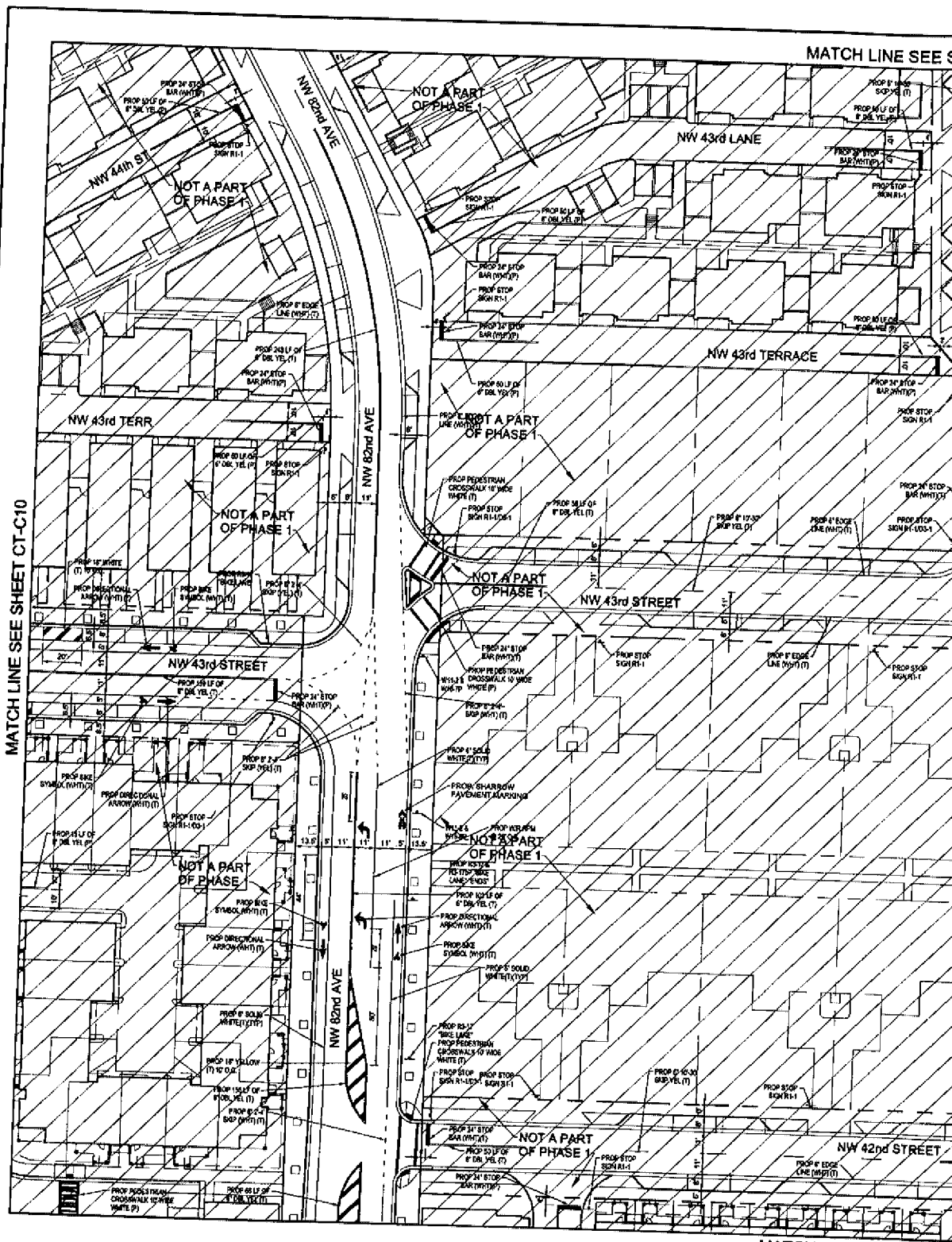
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11		YARD DRAINS ADDED		
12		PER COUNTY TRAFFIC REVIEW COMMENTS		
13		ADJUSTED CB ISSUE AT 4TH AND PASEO		
14		GROUND COORDINATION WITH DOWNSITE		
15		GREY STAR STRIPING OBSERVATION		

RECORD OF REVISION



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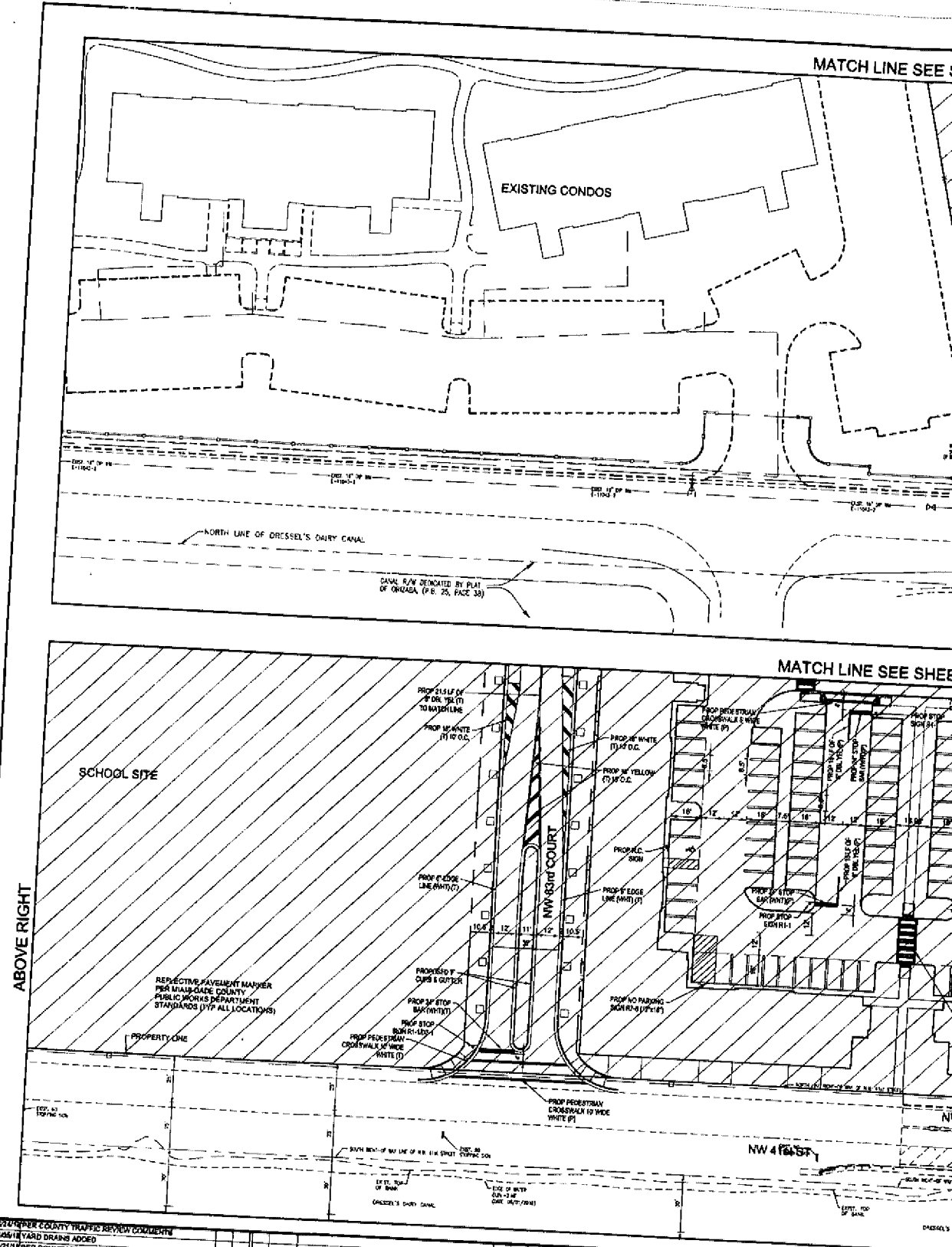
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13	08/21/23 PER COUNTY TRAFFIC REVIEW COMMENTS							
12	08/11/23 ADDRESSED CB ISSUE AT 47TH AND PASSED							
11	08/04/23 GRADING COORDINATION WITH DCAURITE							
10	08/01/23 GREY STAR STRIPING COORDINATION							

RECORD OF REVISION



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 CHECKED BY: M. J. ORANGE
 APPROVED BY: M. J. ORANGE
 LUDOVICI & ORANGE CONSULTING ENGINEERS

- 16 PER 47th PER COUNTY TRAFFIC REVIEW COMMENTS
- 14 PER 47th PER COUNTY TRAFFIC REVIEW COMMENTS
- 13 PER 47th PER COUNTY TRAFFIC REVIEW COMMENTS
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- 11 PER 47th GRADING COORDINATION WITH COURTYARD
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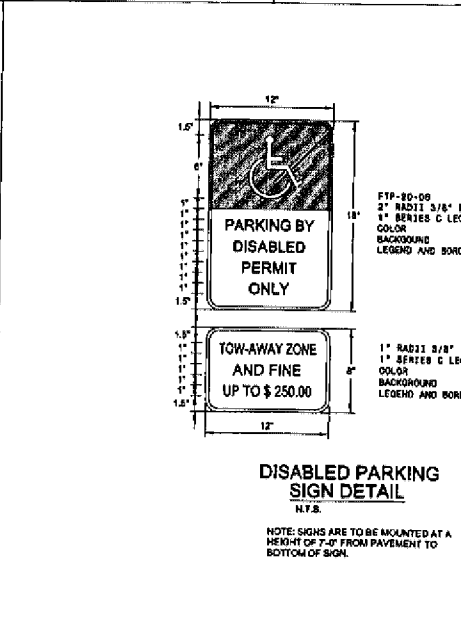
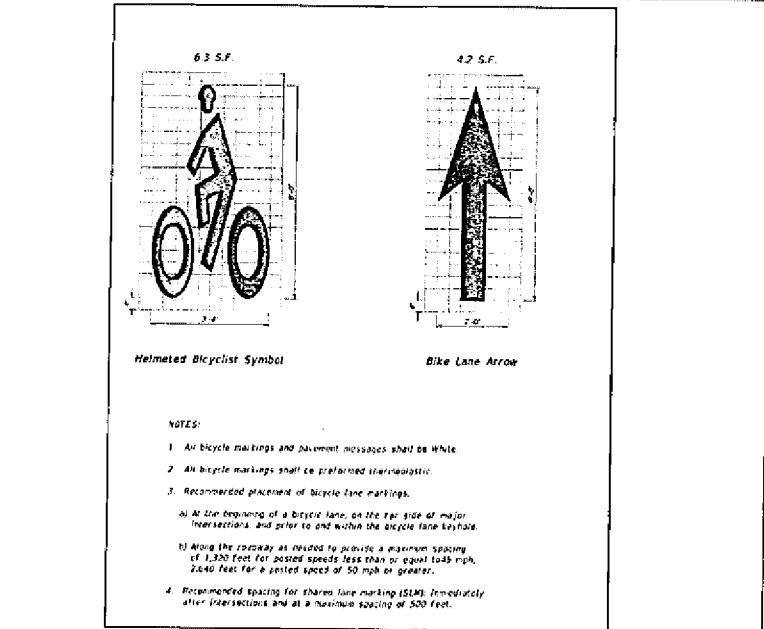
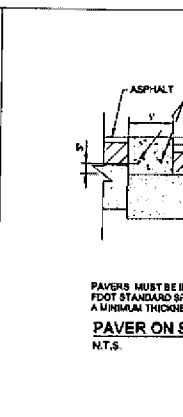
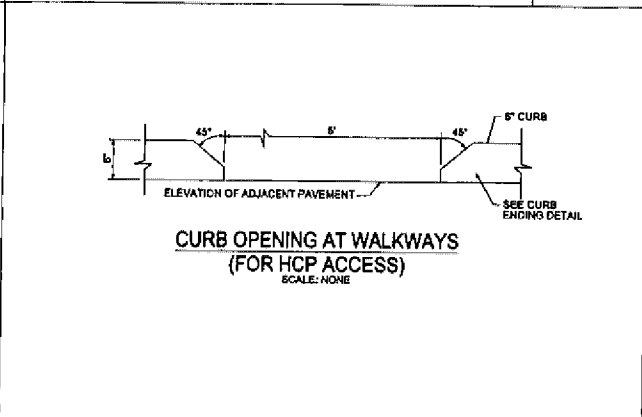
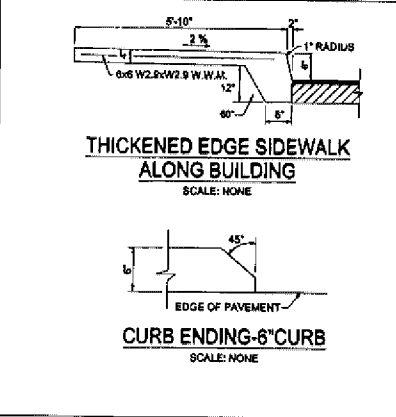
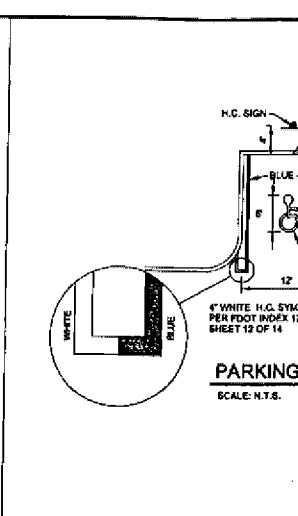
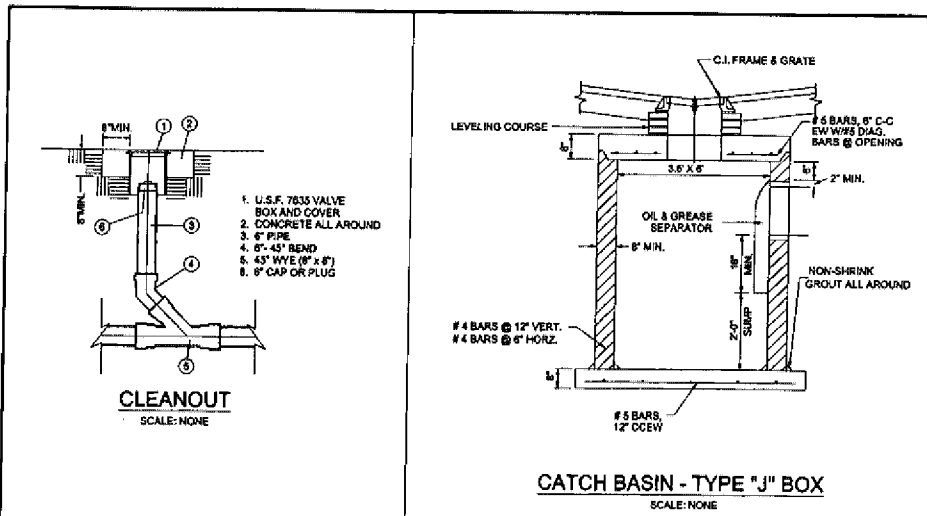
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 328 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305/448-1600

Approved Layout Tab: CL-11



ALL CIVIL DESIGN IS IN ACCORDANCE WITH THE FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS AND ARCHITECTS. SEE DOCUMENTS, SPECIFICATIONS, AND NOTES.

FOOT INDEX 17347

NO.	DATE	DESCRIPTION	BY	APP.
16	10/26/18	PER COUNTY TRAFFIC REVIEW COMMENTS		
17	11/01/18	YARD ORAINS ADDED		
18	11/16/18	PER COUNTY TRAFFIC REVIEW COMMENTS		
19	01/11/19	ADDRESSED CB ISSUE AT 47TH AND PALMO		
20	01/11/19	GRADING COORDINATION WITH DOWNSITE		
21	02/08/19	GREY STAR STRIPING COORDINATION		

RECORD OF REVISION

LUDOVICI & ORAN

CONSULTING ENGINEERS

320 PALERMO AVENUE, CORAL GABLES, FLORIDA 33134 • 305/448-XXXX

- 1. GENERAL NOTES**
- A. ALL ELEVATIONS REFER TO N.G.V.D. 1929.
 - B. **CONTRACTOR**
 1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION.
 2. THE CONTRACTOR IS TO BE RESPONSIBLE FOR COORDINATION AND GIVING NOTICE OF REQUIRED INSPECTIONS. IN SOME CASES, KNOW THE LEAD-TIME NEEDS OF THE RESPECTIVE AGENCIES.
 3. NOTIFY ENGINEER'S FIELD REPRESENTATIVE AHEAD OF TIME SO THAT HE CAN MAKE REQUIRED INSPECTIONS LISTED BELOW.
 - C. **EXISTING FACILITIES:**
 1. PROMPTLY REPAIR AND REPAIR ANY DAMAGES CAUSED BY EXISTING FACILITIES AND UTILITIES. CLOSELY MATCH TEXTURES AND FINISHES OF EXISTING ADJACENT SURFACES. PATCH WITH DURABLE BEAMS THAT ARE AS INVISIBLE AS POSSIBLE. INSPECT AND TEST PATCHED AREAS TO DEMONSTRATE INTEGRITY OF THE INSTALLATIONS, WHERE FEASIBLE.
 2. CONTRACTOR TO VERIFY LOCATION, ELEVATION, MATERIAL AND CONDITION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
 3. THE LOCATIONS OF EXISTING FACILITIES HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE LOCATION OF FACILITIES IN THE FIELD.
 4. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
 5. EXISTING LAND MARKERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REFERENCED BY THE CONTRACTOR'S SURVEY PARTY AND IF DISTURBED, SHALL BE RESET.
 6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 7. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SEEDING WITH BT. ADJUSTING GRASS IS ESSENTIAL TO THE CONTRACT.
 8. EXISTING ASPHALT PAVEMENT THAT IS TO BE REMOVED SHALL BE TRUCKED OFF-SITE BY THE CONTRACTOR FOR DISPOSAL AT A LOCATION APPROVED BY MIAMI-DADE COUNTY DEPT.
 9. RUBBER AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE.
 10. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION.
 11. ALL WORK SHALL BE PERFORMED ACCORDING TO THE STANDARDS OF THE CITY OF DORAL, APPLICABLE PORTIONS OF THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS ARE HEREBY INCORPORATED BY REFERENCE. IN THE EVENT THAT A CITY STANDARD DIFFERS FROM INFORMATION SHOWN ON THESE PLANS, CONSULT THE ENGINEER.
 12. THE CONTRACTOR'S WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL ACCEPTED BY THE CITY OF DORAL, INCLUDING ANY REQUIRED TESTS, CERTIFICATIONS "AS-BUILT" DRAWINGS, AND THE LIKE.
 13. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY PRE-CONSTRUCTION MEETINGS WITH THE CITY OF DORAL, AND/OR ANY OTHER AGENCY, AND PRIOR TO ENCLOSURE OF FRENCH DRAIN TRENCH FOR INSPECTION BY THE ENGINEER, AND PRIOR TO ANY FINAL INSPECTION OR WALK-THROUGH.
 14. CLEAR AN AREA FROM ROADWAY AREAS OF ALL VEGETATION, TOPSOIL, ROOTS, AND OTHER DELETERIOUS MATERIALS. OBSTACLES MATERIALS (I.E. TOPSOIL, ORGANICS, TREES, SHRUBS, LOW VEGETATION, MAJOR ROOT SYSTEMS AND RIBBLE) SHALL BE REMOVED IN THEIR ENTIRETY FROM BENEATH THE PROPOSED ROADWAY AREAS.
 - D. **SURVEY/LAYOUT:**
 1. HORIZONTAL BASIS AND OFFSETS SHOWN ON CURB HOSES AND RETURN ARE TO THE TRAFFIC FACE OF CURB UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IF ANY ADDITIONAL DIMENSIONS OR SPECIFICATIONS ARE NEEDED TO LAYOUT OR CONSTRUCT THE PROJECT.
 - E. **SAFETY:**
 1. UNDERGROUND CONTRACTOR SHALL COMPLY WITH THE TRENCH SAFETY ACT, HR 3183, FLORIDA STATUTES, WHICH INCORPORATES, BUT IS NOT LIMITED TO, THE FOLLOWING: a. OSHA STANDARD 19 C.F.R. PART 1926 SUBPART F, EXCAVATION AND TRENCHES.
 2. ADHERE TO ANY SPECIAL SHOWING REQUIREMENTS OF THE STATE OR OTHER POLITICAL JURISDICTION.
 3. ENGINEER IS NOT RESPONSIBLE FOR THE SAFETY OF THE EXCAVATION OR DESIGN AND CONSTRUCTION OF ANY SHOWING.
 4. THE CONTRACTOR SHALL CONDUCT ALL CONSTRUCTION OPERATIONS IN A MANNER TO PREVENT INJURY TO PEOPLE AND WORKERS, AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES. ENSURE SAFE PASSAGE OF PEOPLE AROUND WORKING AREAS.
 - F. **PLANS:**
 1. NO MODIFICATIONS TO THESE PLANS ARE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. NO AGENCY INSPECTOR, CONTRACTOR, OR OWNER IS AUTHORIZED TO UNILATERALLY MODIFY THESE PLANS.
 2. EXCEPT AS PARTICULARLY NOTED ON THE PLANS, ALL PROPOSED CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF DORAL, MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, IF ANY ITEM OF WORK IS NOT COVERED IN EITHER OF THE SPECIFICATIONS, CONTRACTOR SHALL CONSULT THE ENGINEER OF RECORD.
 3. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 - G. **PRE-CONSTRUCTION:**
 1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST CATCH BASINS AND MANUFACTURER'S LITERATURE FOR ALL PIPES, FITTINGS AND OTHER HARDWARE FOR REVIEW BY THE ENGINEER.
 2. SUBMITTALS (SHOP DRAWINGS AND PRODUCT LITERATURE) NUMBER REQUIRED: ONE TO BE RETAINED BY ENGINEER PLUS WHATEVER ADDITIONAL MAY BE REQUIRED BY CONTRACTOR. KEEP ALL PRODUCTS AND MATERIALS.
 3. SHOP DRAWINGS SHALL BE CHECKED AND APPROVED BY THE CONTRACTOR AND THEN SUBMITTED TO THE ENGINEER-OF-RECORD FOR REVIEW PRIOR TO THE PURCHASE OR INSTALLATION OF ANY SYSTEM COMPONENTS.
 - H. **POST CONSTRUCTION/RECORD DRAWINGS/PROJECT CLOSEOUT:**
 1. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF CURB, BERT, AND DEBRIS CAUSED BY CONSTRUCTION OPERATIONS. RESTORE ADJACENT AREAS TO CONDITIONS EXISTING BEFORE START OF CONSTRUCTION.
 2. KNOW CITY OF DORAL REQUIREMENTS.
 3. WORK REMOVED FROM THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE DRAINAGE SYSTEM BY MIAMI-DADE COUNTY DEPT.
 - I. **INSPEC:**
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL EXISTING HAZARDOUS AND INLET COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON PLANS OR NOT.
 2. ELEVATIONS AND VERTICAL BENCH MARKS FOR MANHOLES, INLETS AND THE LIKE ARE PROVIDED AS A REFERENCE FOR PERMITTING, ESTIMATING AND PRECASTING. ACTUAL ELEVATIONS AND LOCATIONS SHALL MATCH FINISHED SURFACES, INCLUDING CROSS-SLOPES, WHERE APPLICABLE.
 - J. **PERMITS AND APPROVALS:**
 1. ENGINEER IS RESPONSIBLE FOR OBTAINING REGULATORY AGENCY APPROVALS OF CONSTRUCTION DRAWINGS.
 2. OWNER IS RESPONSIBLE FOR OBTAINING CONSTRUCTION PERMITS FOR THOSE WORKS FOR WHICH THE REGULATORY AGENCIES ISSUE PERMITS ONLY TO THE OWNER.
 3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER NECESSARY CONSTRUCTION PERMITS, UNLESS OTHERWISE PROVIDED IN THE CONTRACT BETWEEN CONTRACTOR AND OWNER. THE CONTRACTOR SHALL PAY THE CONSTRUCTION PERMIT FEES.
- II. PAVING, GRADING AND DRAINAGE**
- A. **PAVING, GRADING AND DRAINAGE:**
 1. COMPACTED BASE COURSE THICKNESS FOR ASPHALTIC CONCRETE PAVEMENTS:
 - a. 4" LEBROCK BASE BY A MIN. LBR OF 100, COMPACTED TO 95% OF THE MAX. DENSITY AS DETERMINED BY AASHTO T-100.
 - b. 1" STABILIZED SUB-BASE, BY A MIN. LBR-40, COMPACTED TO 95% OF THE MAX. DENSITY AS DETERMINED BY AASHTO T-100.
 2. ASPHALTIC CONCRETE THICKNESS:
 - a. 1-1/2" MINIMUM. (TWO 3/4" LIFTS)
 3. INLET BASIN FRAMES & GRATES:
 - a. U.S. FORMWAY 4700-400 (HINGED) UNLESS NOTED OTHERWISE IN DRAINAGE STRUCTURE TABLE
 4. SOLID STORM DRAINAGE PIPE
 - a. ROADWAYS:
 - (1) ADVANCED DRAINAGE SYSTEMS, INC. "ADE R-12" SMOOTH-LINED CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE, PERFORATED WHERE APPLICABLE.
 - (2) EQUIVALENT 16 GAUGE, ALUMINUM, PERFORATED, AASHTO M195, TYPE III, CLASS 2 PERFORATIONS.
 - (3) SOLID PIPE: EQUIVALENT 16 GAUGE, ALUMINUM, AASHTO M195, TYPE I.
 - b. RAIN WATER LEADERS AND CONCRETE DRAINS: FBC CHAPTER 11 4" AND LARGER SHALL BE PVC SCH 40 3" AND SMALLER SHALL BE PVC SCHEDULE 40 OR 60 WHEN NEW PAVEMENT IS TO BE SET EXISTING PAVEMENT, ALL EDGES OF EXISTING PAVEMENT ARE TO BE CUT.
 - c. ALL GRADES SHOWN ARE FINISH ASPHALT PAVEMENT GRADES UNLESS OTHERWISE NOTED.
 - d. ALL EXISTING STORM INLETS SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN DRAINAGE SYSTEM.
- B. **TRAFFIC GENERAL NOTES & CONDITIONS (THESE NOTES ARE REQUIRED BY THE WOPND)**
 1. ENGINEER SHALL PREPARE STORM & PAVEMENT MARKING PLANS IN A SEPARATE SHEET (1" = 50' SCALE MINIMUM).
 2. ENGINEER SHALL VERIFY FIELD CONDITIONS BEFORE PREPARING PROPOSED STORM & PAVEMENT MARKING PLANS.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL PAVEMENT MARKINGS AND SIGNS CONFLICTING WITH THE PROPOSED ROADWAY CONSTRUCTION.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL PAVEMENT MARKINGS AND SIGNS AS SHOWN IN THE PLANS AND APPLICABLE TRAFFIC DESIGN STANDARDS.
 5. CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT, AND AT ALL INTERSECTING SIDE STREET LOCATIONS.
 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF REFLECTIVE PAVEMENT MARKERS ALONG THE ENTIRE LENGTH OF THE PROJECT.
 7. ANY SIGNING MATERIAL, INCLUDING SUPPORTS TO BE REMOVED, SHALL BE OBTAINED BY THE CONTRACTOR TO MIAMI-DADE COUNTY TRAFFIC SIGNALS AND SIGNS MAINTENANCE FACILITY LOCATED AT 7100 NW 38 STREET, MIAMI, FLORIDA.
 8. SIGN ASSEMBLY LOCATIONS SHOWN IN THE PLANS WHICH ARE IN CONFLICT WITH THE STREET LIGHTING UTILITIES, DRIVEWAYS, PEDESTRIAN RAMPS, ETC., MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER INSPECTOR.
 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FED RAMP/SIDEWALK WHERE SIDEWALK IS EXISTING OR PROPOSED (ADA-PWI).
 10. ROADWAY PAVEMENT MARKINGS/MAINTENANCE OF TRAFFIC:
 1. THE CONTRACTOR SHALL CONTACT THE CITY OF DORAL PUBLIC WORKS DEPARTMENT TO OBTAIN A CLEAN PLAN FOR MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SPECIFIED TRAFFIC PLANS.
 2. COORDINATE MAINTENANCE OF TRAFFIC WITH AFFECTED PARTIES.
 3. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNERS AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
 4. ALL EXISTING PAVEMENT MARKINGS THAT WILL BE IN CONFLICT WITH THE PROPOSED MARKINGS SHALL BE REMOVED.
 5. PAVEMENT MARKINGS WITHIN EXISTING OR PROPOSED PUBLIC RIGHTS-OF-WAY:
 - a. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC. FOLLOW FOOT SPECIFICATIONS SECTION 711--THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS.
 - b. PAVEMENT MARKINGS WITHIN PRIVATE PROPERTY SHALL BE THE FOLLOWING:
 - (1) PARKING STALL STRIPES:
 - (i) FOLLOW FOOT SPECIFICATIONS SECTION 710-- PAINTING TRAFFIC STRIPES.
 - (ii) PAINTING TRAFFIC STRIPES ARE TO BE 4", SOLID WHITE
 - (2) STOP BAR, DOUBLE YELLOW
 - (i) FOLLOW FOOT SPECIFICATION SECTION 711 THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS.
 - C. **TRAFFIC SIGNS:**
 1. MATERIALS: FOLLOW FOOT SPECIFICATION SECTION 700-HIGHWAY SIGNING; AND MANUAL ON UNIFORMED CONTROL DEVICES, U.S. DEPARTMENT OF TRANSPORTATION (M.U.T.C.D.) LATEST EDITION.
 2. PLACEMENT: IN ACCORDANCE WITH THE M.U.T.C.D., PART II, SIGNS, IN LOCATIONS SHOWN ON THESE PLANS.
 3. SIGNBLANK SIGNS FOR TRAFFIC SIGNS ARE ALLOWED IN LIEU OF ALUMINUM SIGNING/TESTING.
 - D. **INSPECTIONS/TESTING:**
 1. **INSPECTION SCHEDULE:**
 - a. EACH INSPECTION MUST BE COMPLETED BY ENGINEER'S FIELD REPRESENTATIVE PRIOR TO CONTRACTOR'S PROCEEDING TO NEXT STEP.
 - b. DRAINAGE INSPECTIONS EACH STRUCTURE:
 - (1) EXCAVATE TRENCH, CALL FOR INSPECTION:
 - i. INSPECTION: LENGTH, DEPTH, AND WIDTH OF TRENCH.
 - ii. INSTALL FABRIC, RIBBON AND PIPE. CALL FOR INSPECTION.
 - (2) INSPECTION: DIAMETER, MATERIAL, LENGTH OF PIPE.
 - i. COMPLETE THE CONSTRUCTION.
 - ii. SURVEY AND GRADE.
 - iii. BASE ROCK BEFORE FINISH; AND BEFORE PLACING ASPHALTIC CONCRETE.
 - c. **INSPECTION SCHEDULE:**
 - i. SITE GRADING.
 - ii. REFINISH SPECIFICATIONS-THE FOLLOWING MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS ARE HEREBY INCORPORATED BY REFERENCE. THESE STANDARDS ARE TAKEN FROM THE PUBLIC WORKS MANUAL PART II.
 2. **PAVEMENT AND SUBGRADE:** FOLLOW MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS:

SECTION	TITLE
30	EXCAVATION AND EMBANKMENT
40	STABILIZING
51	RESTORATION OF TRENCHES
54	LINEROCK BASE
100	PAVING AND TACK COATS
132	ASPHALTIC BITUMEN COURSE
133	TYPE I ASPHALTIC CONCRETE SURFACE COURSE
145	CONCRETE SIDEWALK
168	STREET NAME SIGN
 3. **DRAINAGE:** FOLLOW MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS:

SECTION	TITLE
S10	EXCAVATION, TRENCHING, AND BACKFILLING FOR PIPE STRUCTURES
S20	ORAINAGE PIPE
S40	STORM SEWER MANHOLE
S45	CATCH BASIN
S48	INLETS
 - E. **THE FOLLOWING MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS ARE HEREBY INCORPORATED BY REFERENCE. THESE STANDARDS ARE TAKEN FROM THE PUBLIC WORKS MANUAL PART I.**

DETAIL	TITLE
R-12-8	ASPHALT DRIVEWAY COMMERCIAL PAVEMENT
R-12-8 (S)	CONCRETE DRIVEWAY
R-13-1	SIDEWALK CONSTRUCTION
R-12-9	STANDARD SIDEWALK TRANSITION
R-14-1	CURB AND OUTER SECTIONS
R-14-2	CURB SECTIONS
R-14-3	RANLEY CUTS
R-14-4	CURB ENDINGS
R-14-5 (S)	CONCRETE VALLEY BUTTER (FOR 2 AND 4 LANE PAVEMENT)
R-18-1 (SHEET)	STREET SIGN POST ASSEMBLY
R-18-1 (SHEET)	STREET SIGN POST PHYSICAL INSTALLATION
R-18-1 (SHEET)	STREET / STOP SIGN ASSEMBLY & FABRICATION
R-18-1 (SHEET)	STREET MESSAGE DETAILS
R-18-2	STREET / STOP SIGN LOCATION
R-21-1	PAVEMENT RESTORATION FOR TRENCHES CUT IN PUBLIC RIGHTS-OF-WAY
80-2-1	CATCH BASIN
80-2-2	PRECAST CATCH BASIN
80-2-3 (S)	CATCH BASIN FRAMES AND GRATE
80-2-8 (SHEET)	INLET, MANHOLE & JUNCTION BOX (TYPE V)
80-2-8 (SHEET)	INLET, MANHOLE & JUNCTION BOX (TYPE P)
80-2-9 (SHEET)	INLET, MANHOLE & JUNCTION BOX (TYPE P & J)
80-3-0	JUNCTION BOX, MANHOLE TOP & PRECAST CONCRETE RISER DETAILS
80-4-7	STORM SEWER MANHOLE FRAME AND COVER
80-4-8	LEVELING COURSE
 - F. **MANHOLE RAMP:** SEE FOOT INDEX NO. 304

15	10/24/18 PER COUNTY TRAFFIC REVIEW COMMENTS						
14	07/06/18 BY AND DRAINS ADDED						
13	06/21/18 PER COUNTY TRAFFIC REVIEW COMMENTS						
12	09/17/18 ADDRESSED CB ISSUE AT 47TH AND PASSEO						
11	04/06/18 GRADING COORDINATION WITH DOWNGRADE						
10	03/06/18 GREY/STAIN STRIPPING OBSERVATION						

NO.	DATE	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.

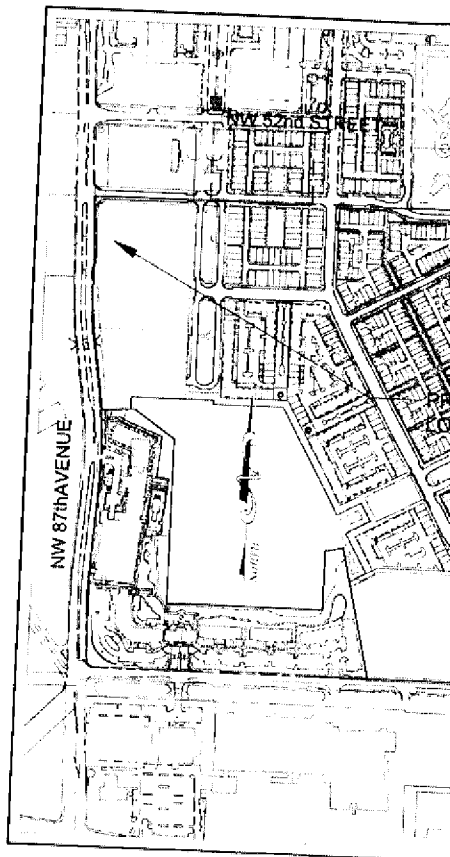
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PAVING, GRA DOWNTOWN

Sheet	Sheet Name	Reference	Number
CT-71	PAVING, GRADING & DRAINAGE LOCATION MAP		
CT-72	PAVING, GRADING & DRAINAGE FLOOD LEGEND (WHO SEE ARCHITECT'S BUILDING PLANS FOR FLOOD LEGEND)		
CT-73	PAVING, GRADING & DRAINAGE - 3'-FEET KEY MAP		
CT-81	PAVING, GRADING & DRAINAGE PLAN		
CT-82	PAVING, GRADING & DRAINAGE PLAN		
CT-83	PAVING, GRADING & DRAINAGE PLAN		
CT-84	PAVING, GRADING & DRAINAGE PLAN		
CT-85	PAVING, GRADING & DRAINAGE PLAN		
CT-86	PAVING, GRADING & DRAINAGE PLAN		
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CT-199	PAVING, GRADING & DRAINAGE PLAN		
CT-200	PAVING, GRADING & DRAINAGE PLAN		

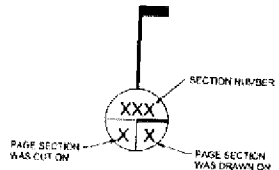


Sheet	Sheet Name
SHEET 1	KEY SHEET
SHEET 2	PROJECT LAYOUT
SHEET 3 TO 7	TYPICAL SECTIONS
SHEET 8	GENERAL NOTES
SHEET 9 TO 14	ROADWAY PLANS
SHEET 15	SPECIAL DETAILS

Sheet	Sheet Name
SHEET S-1	KEY SHEET
SHEET S-2	GENERAL NOTES
SHEET S-3 TO S-13	SIGNING AND PAVEMENT MARKING PLANS

Sheet	Sheet Name
SHEET T-1	KEY SHEET
SHEET T-2	TABULATION OF QUANTITIES
SHEET T-3	SIGNALIZATION NOTES
SHEET T-4	SIGNALIZATION PLAN
SHEET T-5	SIGNALIZATION DETAILS
SHEET T-6 TO T-7	SIGNALIZATION PLAN
SHEET T-8	SIGNALIZATION DETAILS
SHEET T-9 TO T-10	SIGNALIZATION PLAN
SHEET T-11	SIGNALIZATION DETAILS
SHEET T-12	MAST ARM TABULATION
SHEET T-13	MAST ARM ASSEMBLIES

LEGEND



THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS, AS ADOPTED BY THE FLORIDA LEGISLATURE, CHAPTER 72-328 F.S.

PROPOSED LEGEND

Symbol	Description	Symbol	Description
	CATCH BASIN, EXFILTRATION TRENCH & STRUCTURE NUMBER		GROUND ELEVATION
	DRAINAGE FLOW ARROW		2" ASPHALT
	PAVEMENT ELEVATION		CONCRETE

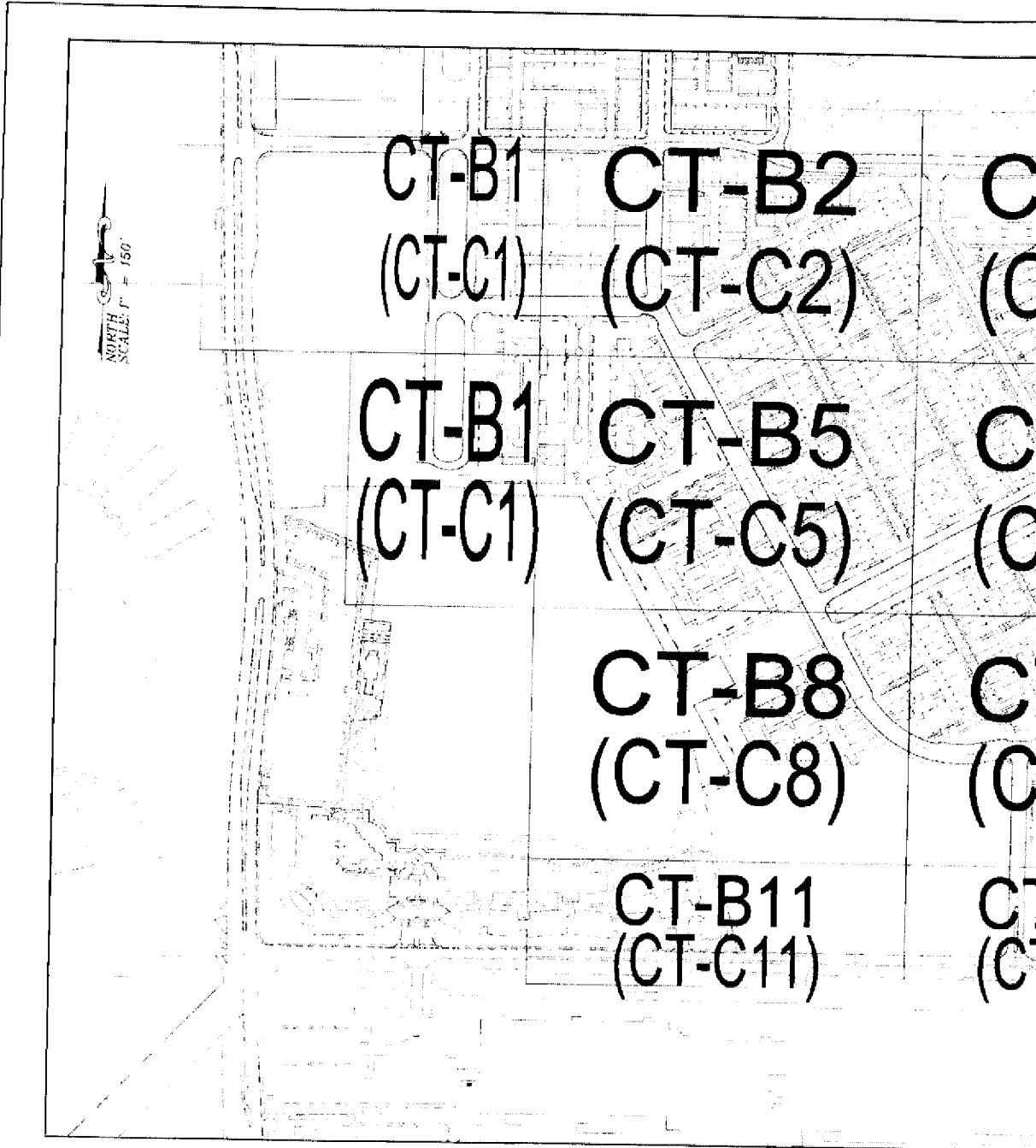
20 02/28/2018 PER COUNTY TRAFFIC REVIEW COMMENTS
 19 01/26/2018 PER COUNTY TRAFFIC REVIEW COMMENTS
 18 12/05/18 PER PERMITS CONDITION
 17 11/01/18 PER COUNTY TRAFFIC REVIEW COMMENTS
 16 09/17/18 CONDOR STATE TRAFFIC ADOPT

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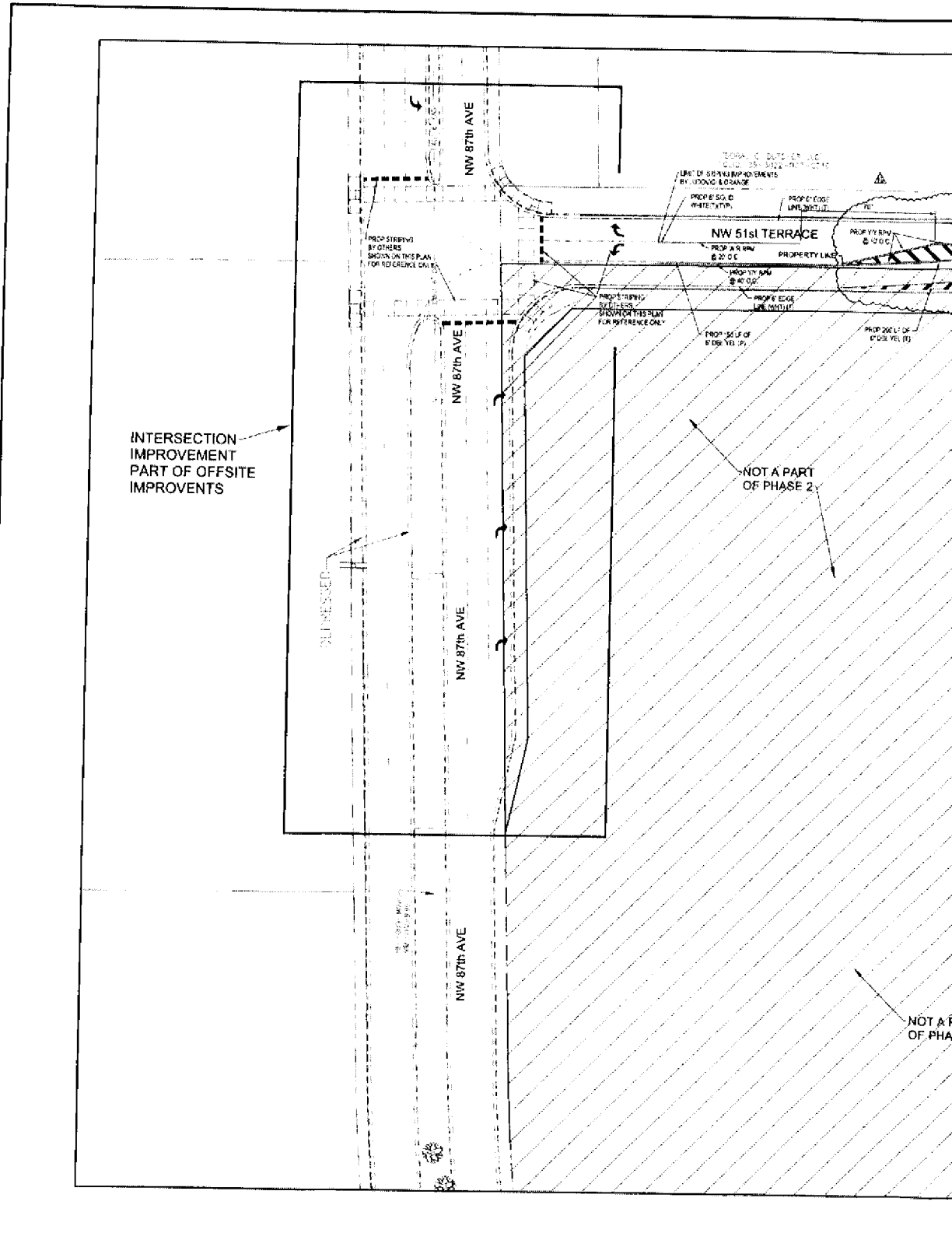
SHEET

- 16 09/17/19 CONDENSATE LINES ADDED
- 15 08/24/19 PER COUNTY TRAFFIC REVIEW COMMENTS
- 14 07/25/19 YARD DRINKS ADDED
- 13 06/21/19 PER COUNTY TRAFFIC REVIEW COMMENTS
- 12 05/15/19 ADDRESS CORRECTED ON ISSUE AT 47TH AND PASSEO

NO.	DATE	DESCRIPTION	BY	APP.	NO.	DATE	DESCRIPTION	BY	APP.
RECORD OF REVISION									

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Autocad Layout Tab: CT-43



20 02/28/19 PER COUNTY TRAFFIC REVIEW COMMENTS
 19 01/02/19 PER COUNTY TRAFFIC REVIEW COMMENTS
 18 12/28/18 PER FIELD CONDITION
 17 11/01/18 PER COUNTY TRAFFIC REVIEW COMMENTS
 16 08/17/18 CONDUIT REATE - BMP'S ADDED
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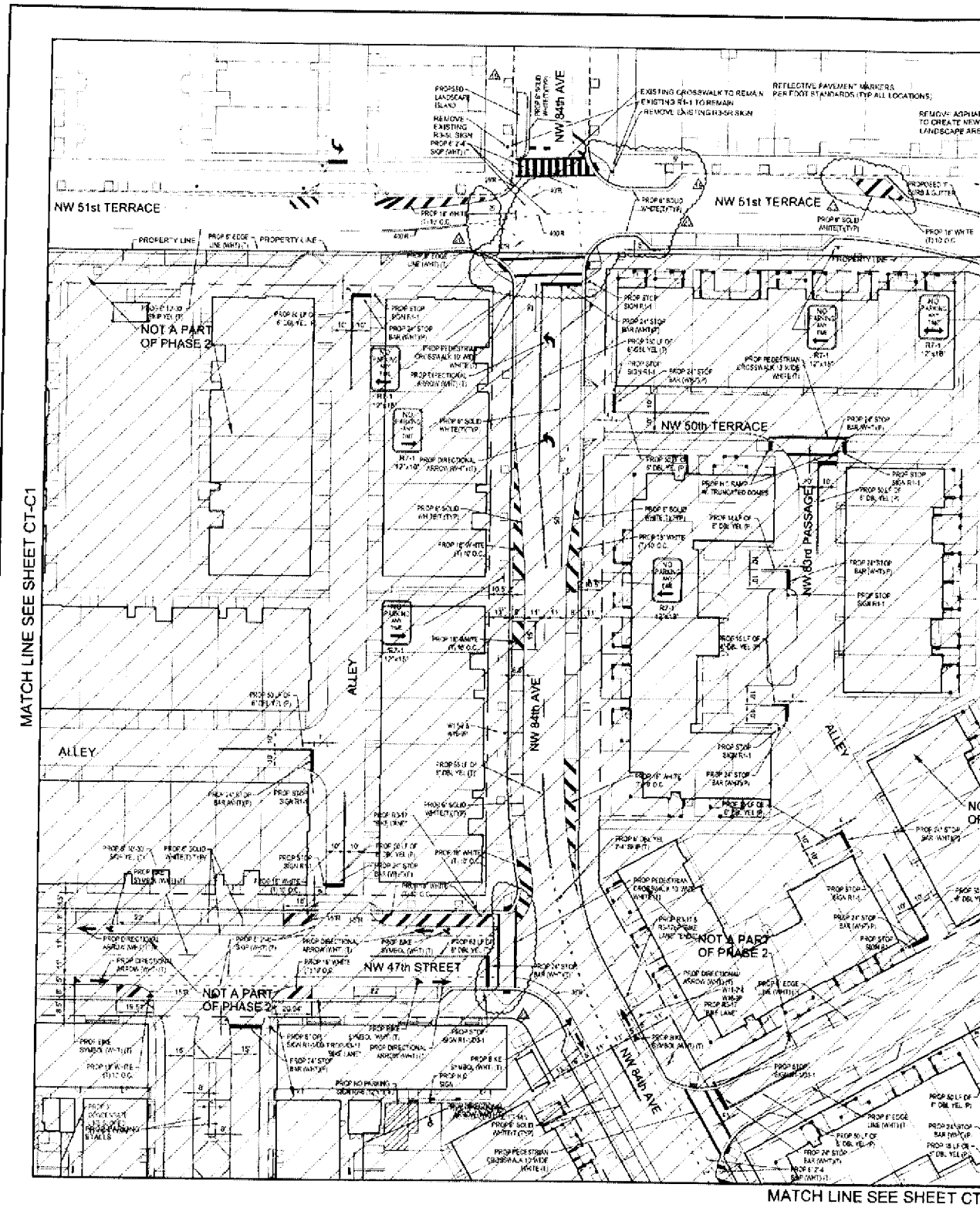
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19	01/02/19	PER COUNTY TRAFFIC REVIEW COMMENTS							
18	12/28/18	PER FIELD CONDITION							
17	11/01/18	PER COUNTY TRAFFIC REVIEW COMMENTS							
16	08/17/18	CONDUIT REATE - BMP'S ADDED							

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AutoCAD Layout Tab: CT-01

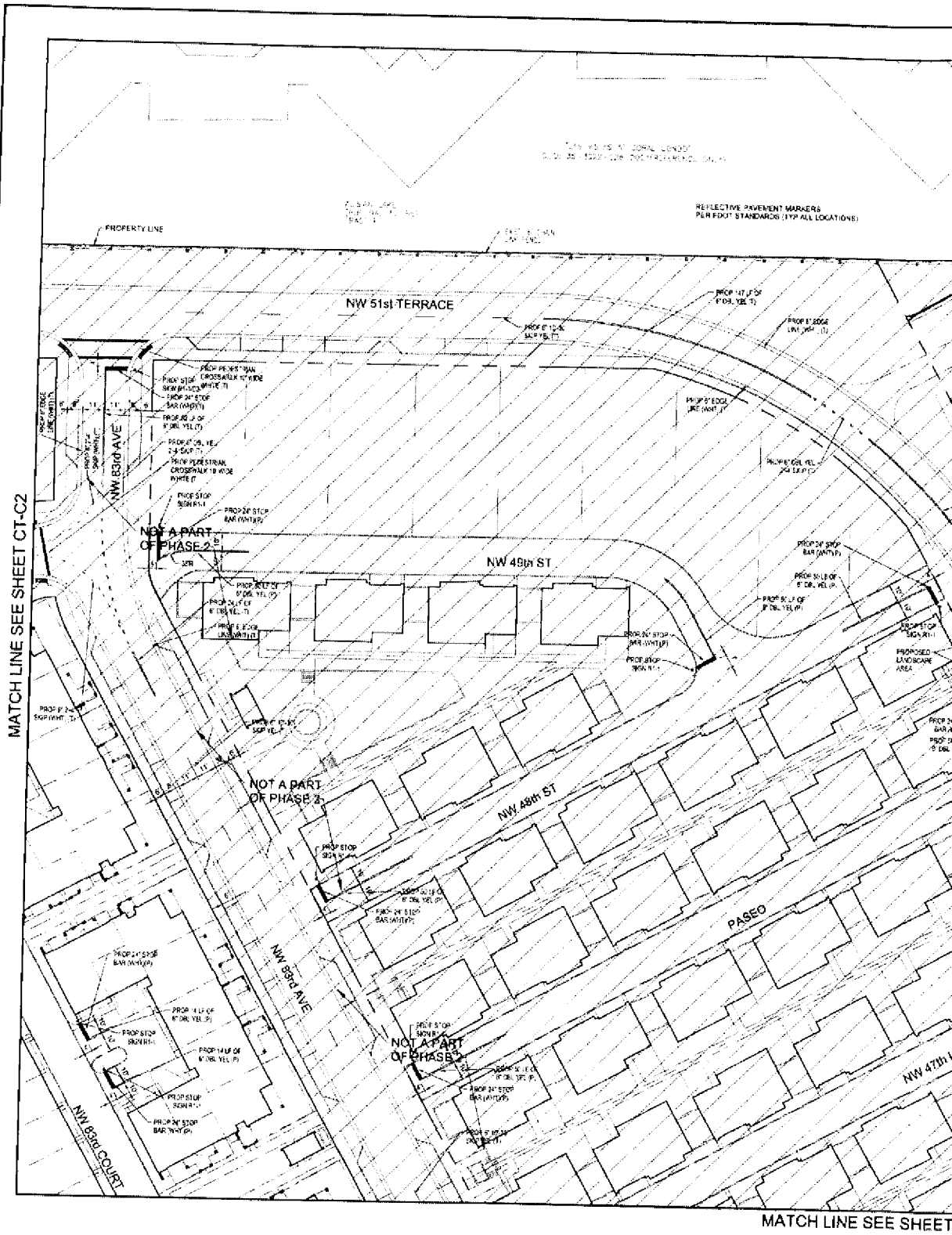


20 02/24/19 PER COUNTY TRAFFIC REVIEW COMMENTS
 19 01/02/19 PER COUNTY TRAFFIC REVIEW COMMENTS
 18 12/05/18 PER FIELD CONDITION
 17 11/01/18 PER COUNTY TRAFFIC REVIEW COMMENTS
 16 09-17/18 CONDENSATE LINES ADDED

NO.	DATE	DESCRIPTION	BY	APP.	DATE	DESCRIPTION	BY	APP.
RECORD OF REVISION								

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As noted Layout 1 of CT-C2



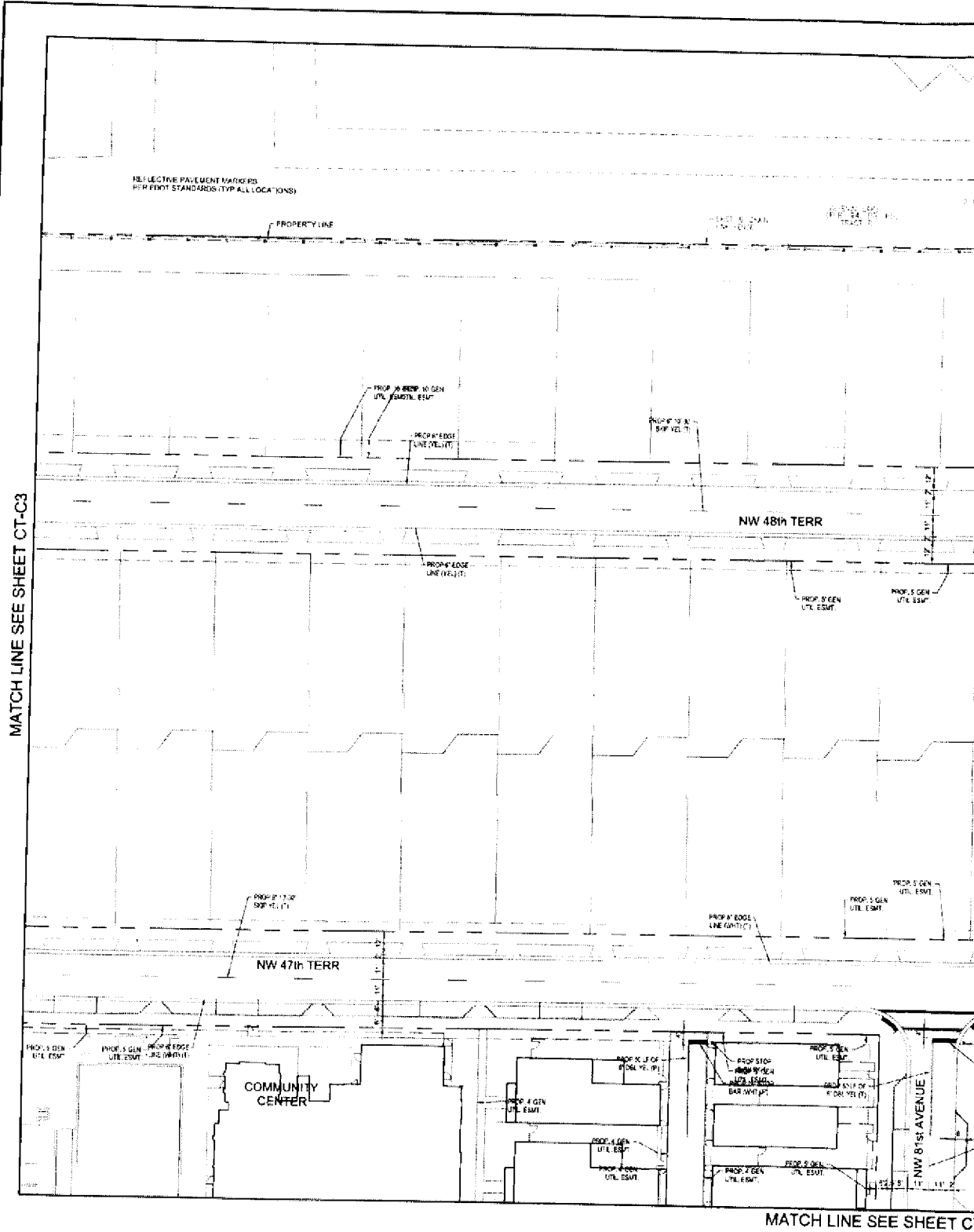
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14	01/02/19	PER COUNTY TRAFFIC REVIEW COMMENTS		
15	12/05/18	PER FIELD CONDITION		
17	11/01/18	PER COUNTY TRAFFIC REVIEW COMMENTS		
16	09/17/18	CONDENSATE LINES ADDED		
15	08/24/18	PER COUNTY TRAFFIC REVIEW COMMENTS		
14	04/11/18	U.S.P.F.T.M.		

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MATCH LINE SEE SHEET CT-C3

MATCH LINE SEE SHEET C

- 18 01-02-19 PER COUNTY TRAFFIC REVIEW COMMENTS
- 19 12-06-18 PER FIELD CONDITION
- 20 11-01-18 PER COUNTY TRAFFIC REVIEW COMMENTS
- 21 05-17-18 CONDENSATE LINES ADDED
- 22 04-10-18 PER COUNTY TRAFFIC REVIEW COMMENTS

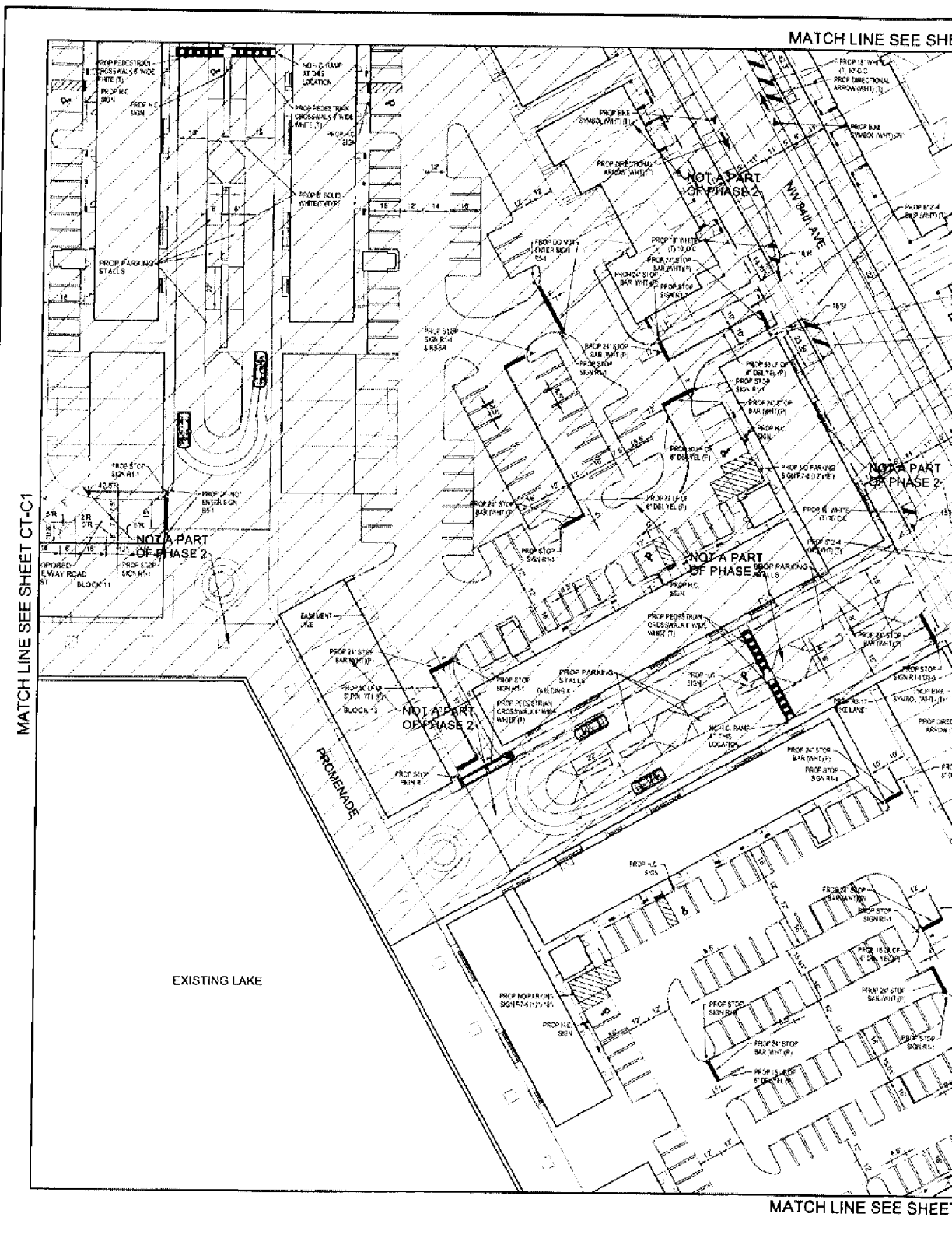
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Approved by: [Signature] Date: 07-04



NO.	DATE	DESCRIPTION	BY	CHK'D	DATE	DESCRIPTION	BY
20	02-28-16	PER COUNTY TRAFFIC REVIEW COMMENTS					
19	01-02-16	UPPER COUNTY TRAFFIC REVIEW COMMENTS					
18	10-05-15	PER FIELD CONDITION					
17	08-10-15	PER COUNTY TRAFFIC REVIEW COMMENTS					
16	08-10-16	CONDENSATE LINES ADDED					
15	04-04-16						

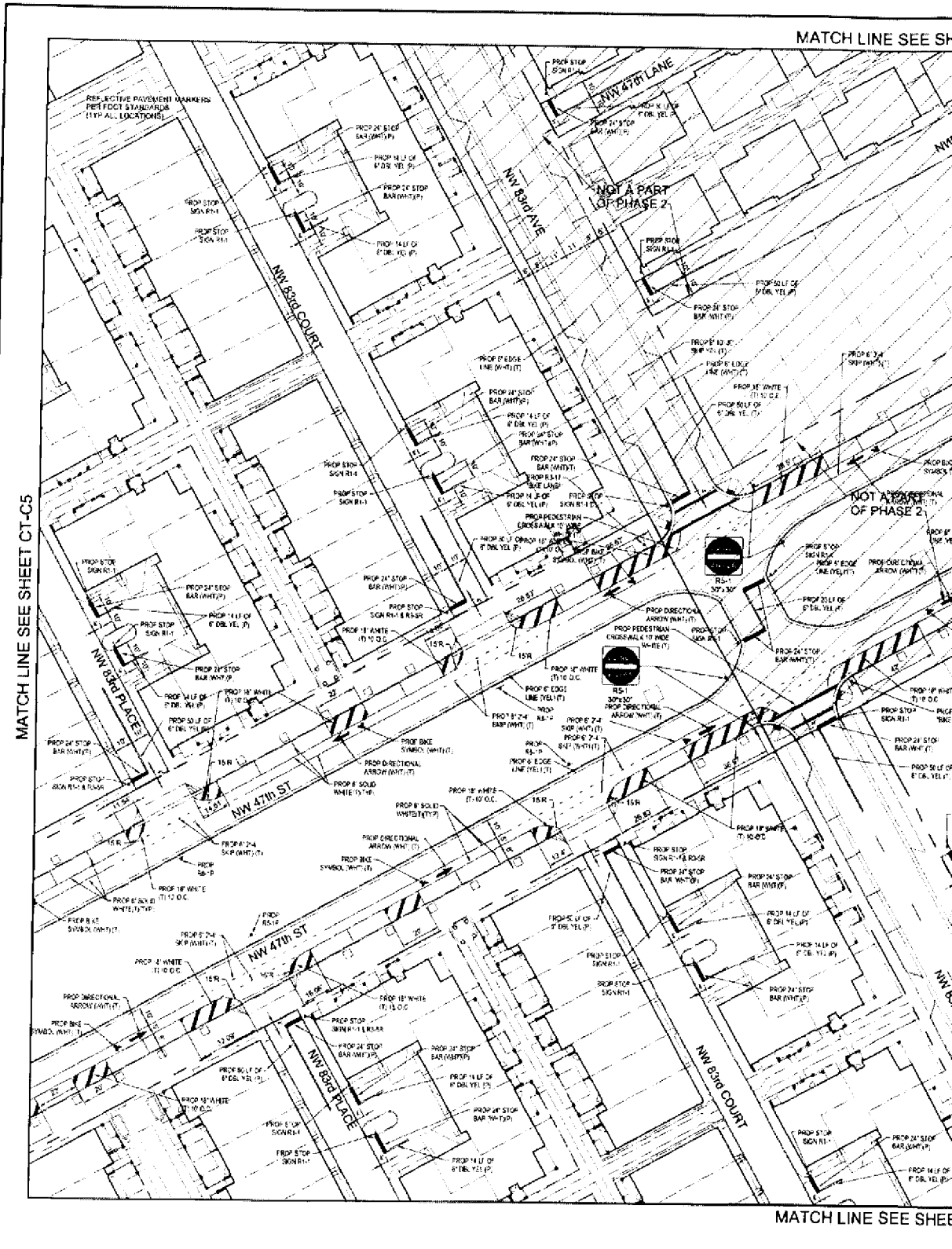
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Autocad Layout Size: C1-C5



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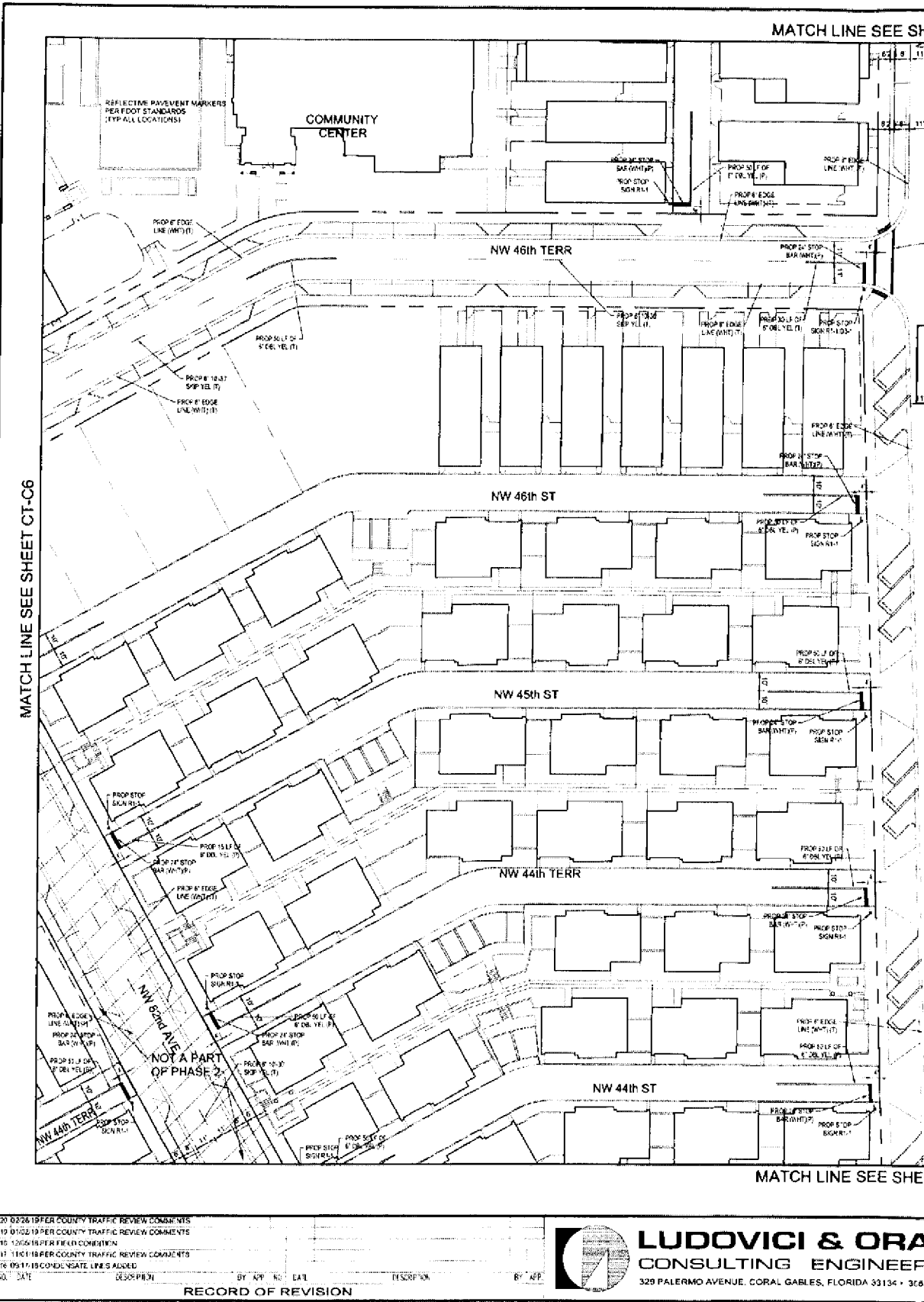
- 20 02/28/19 PER COUNTY TRAFFIC REVIEW COMMENTS
- 19 01/02/19 PER COUNTY TRAFFIC REVIEW COMMENTS
- 18 12/05/18 PER FIELD CONDITION
- 17 11/01/18 PER COUNTY TRAFFIC REVIEW COMMENTS
- 16 09/17/18 CONDENSATE LINES ADDED

NO.	DATE	DESCRIPTION	BY	APP.	DATE	DESCRIPTION	BY	APP.
RECORD OF REVISION								




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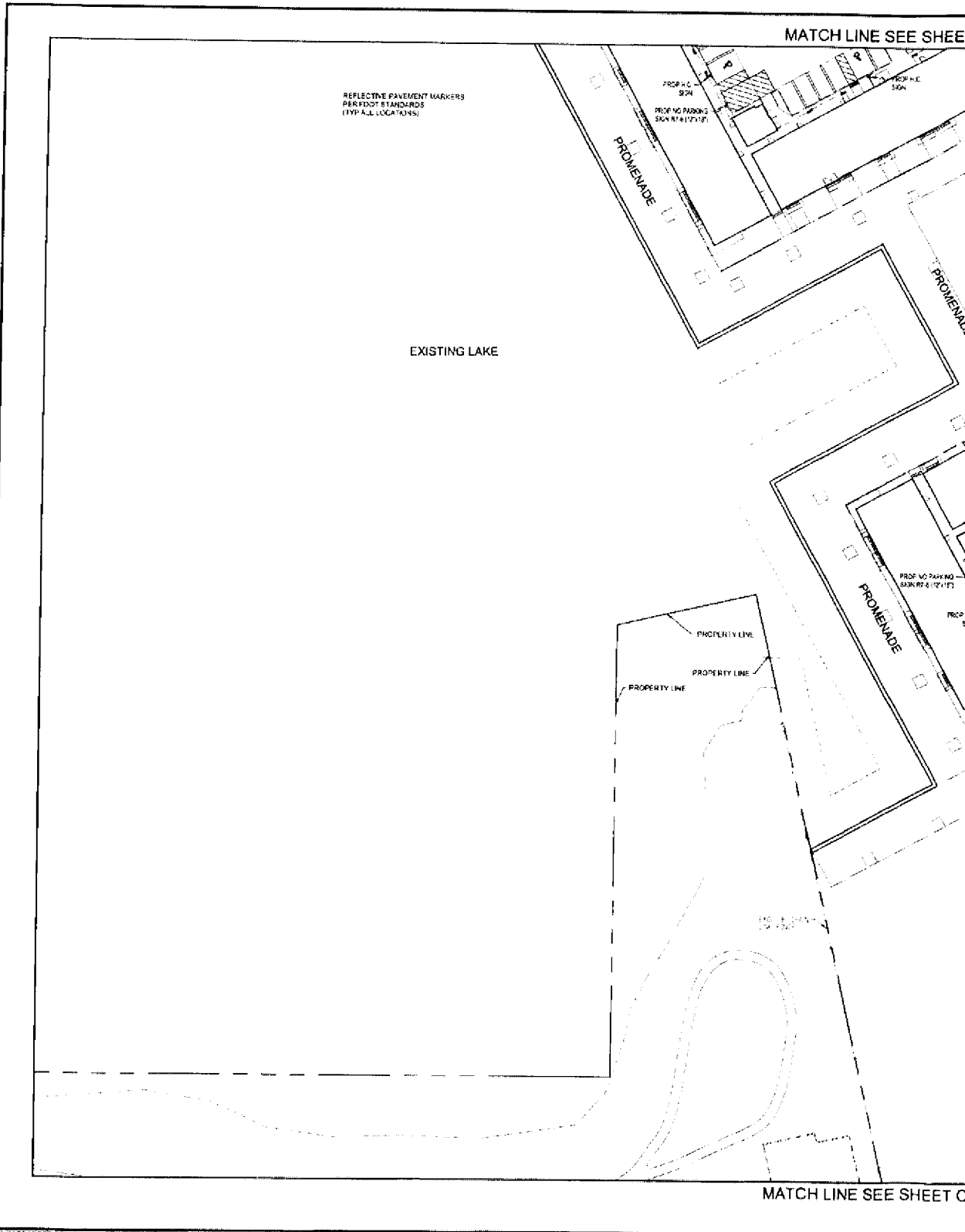


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 18-1206-18 PER FIELD COMMENT
 17-1101-18 PER COUNTY TRAFFIC REVIEW COMMENTS
 16-0917-18 COND USATE LINE 3 ADDED

NO.	DATE	DESCRIPTION	BY	APP.	DATE	DESCRIPTION	BY	APP.
RECORD OF REVISION								


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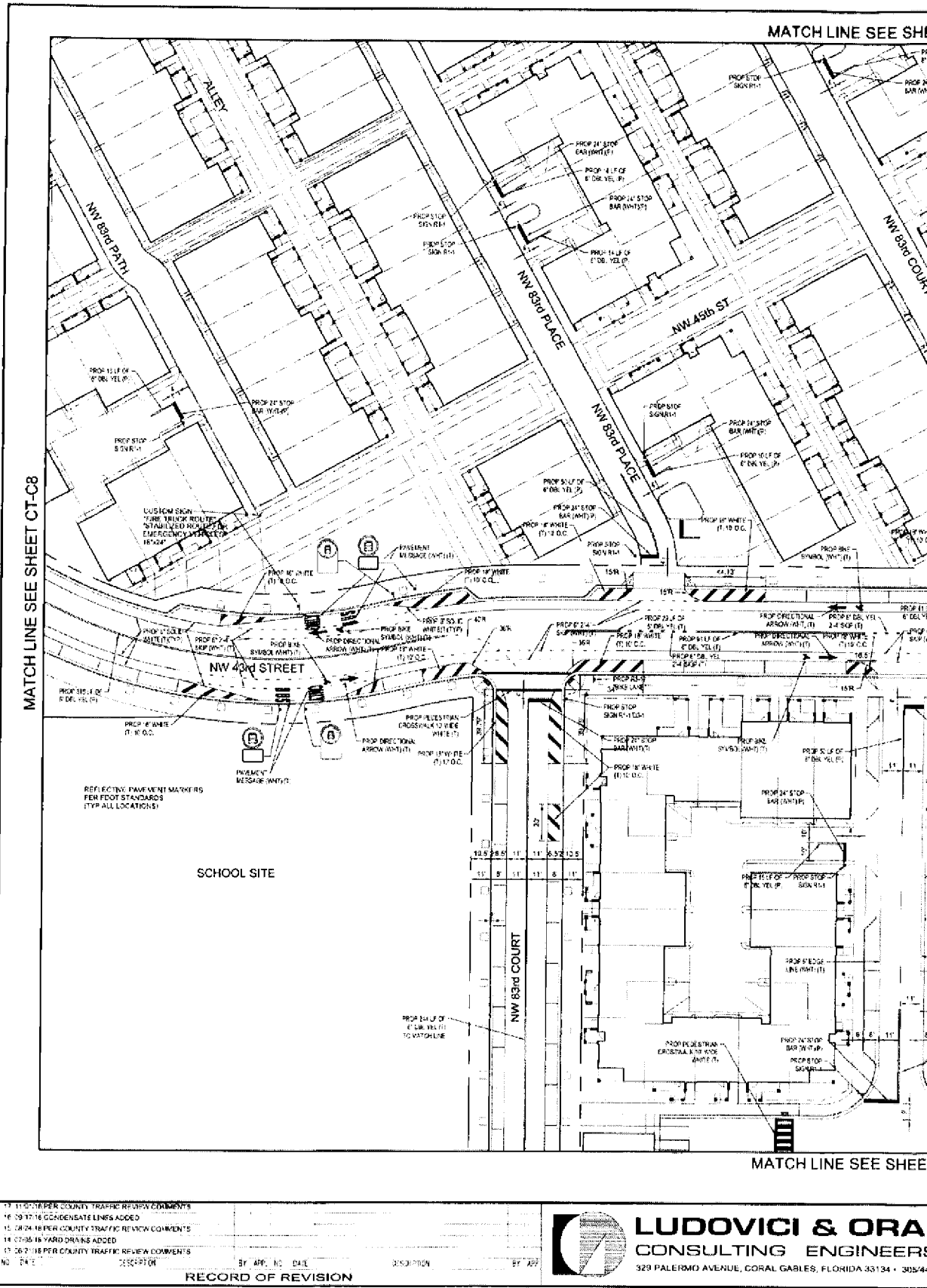
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18	10/05/18	PER FIELD CHECK			
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16	08/11/18	CONDENSATE LINES ADDED			
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RECORD OF REVISION



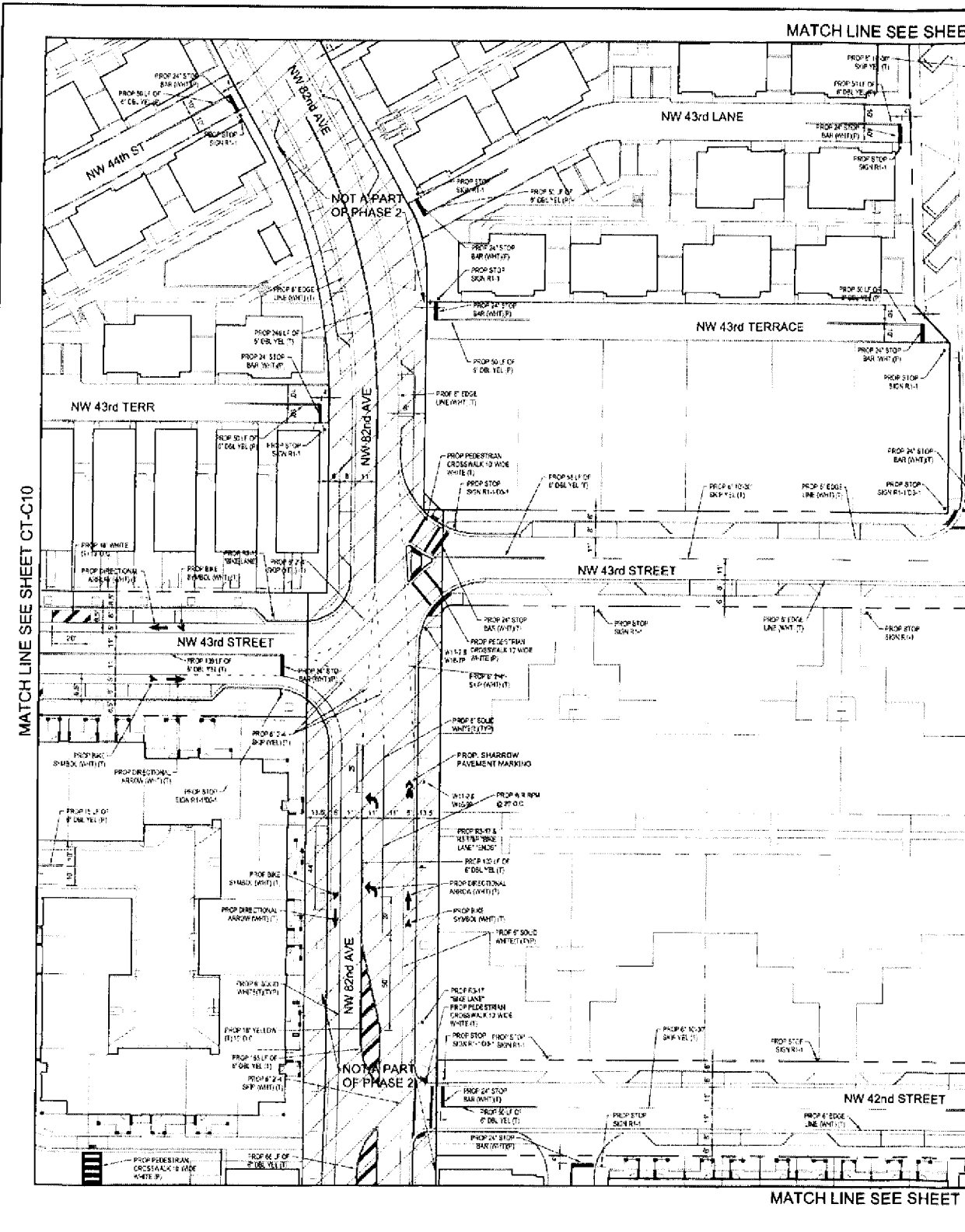
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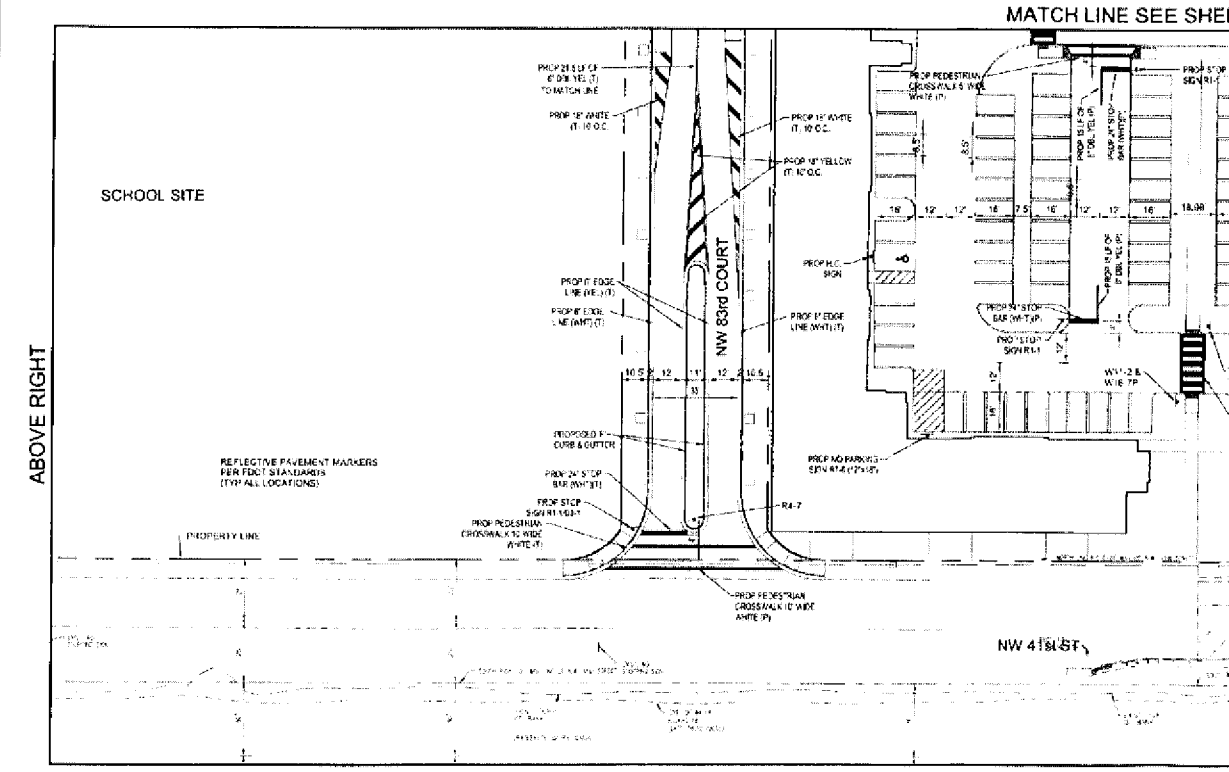
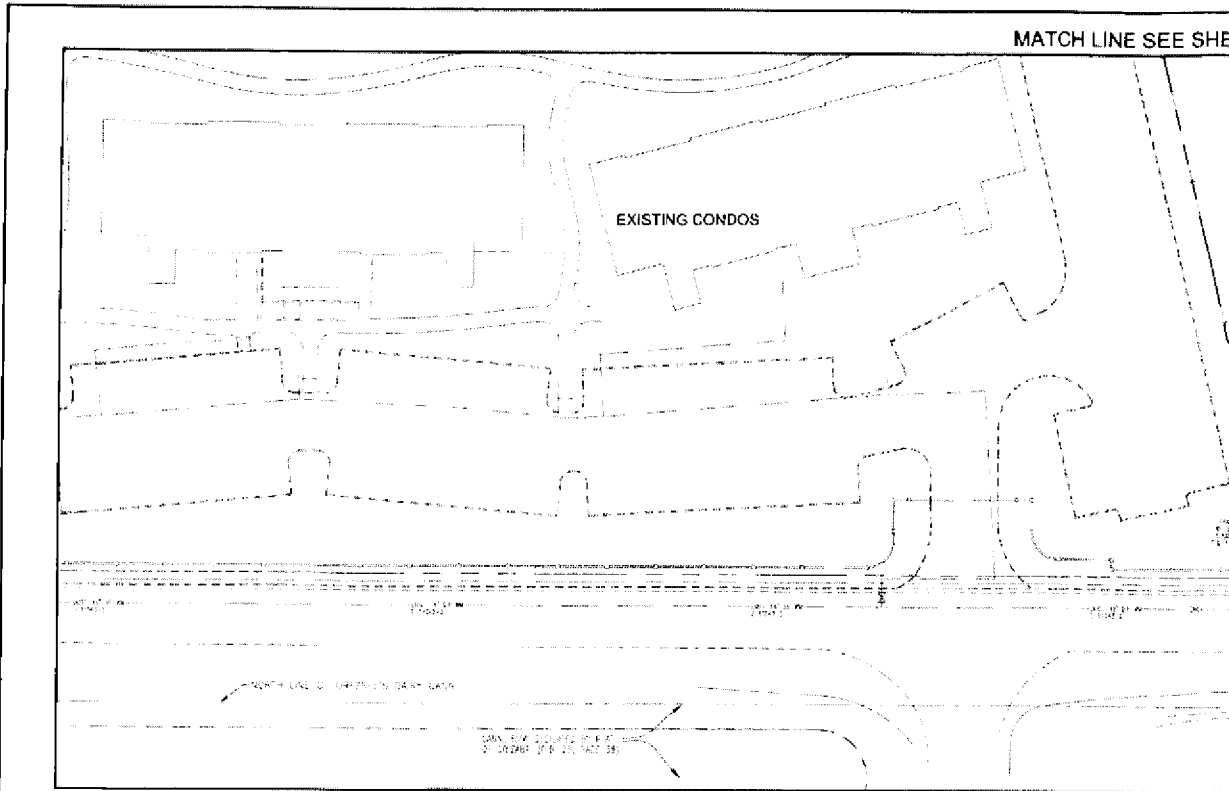
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14	10/25/18	PER FIELD CONDITIONS						
15	11/01/18	PER COUNTY TRAFFIC REVIEW COMMENTS						
16	12/17/18	TO CONDENSE LINES ADDED						
17	08/24/18	PER COUNTY TRAFFIC REVIEW COMMENTS						

RECORD OF REVISION



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Actual Layout Page CT-C10

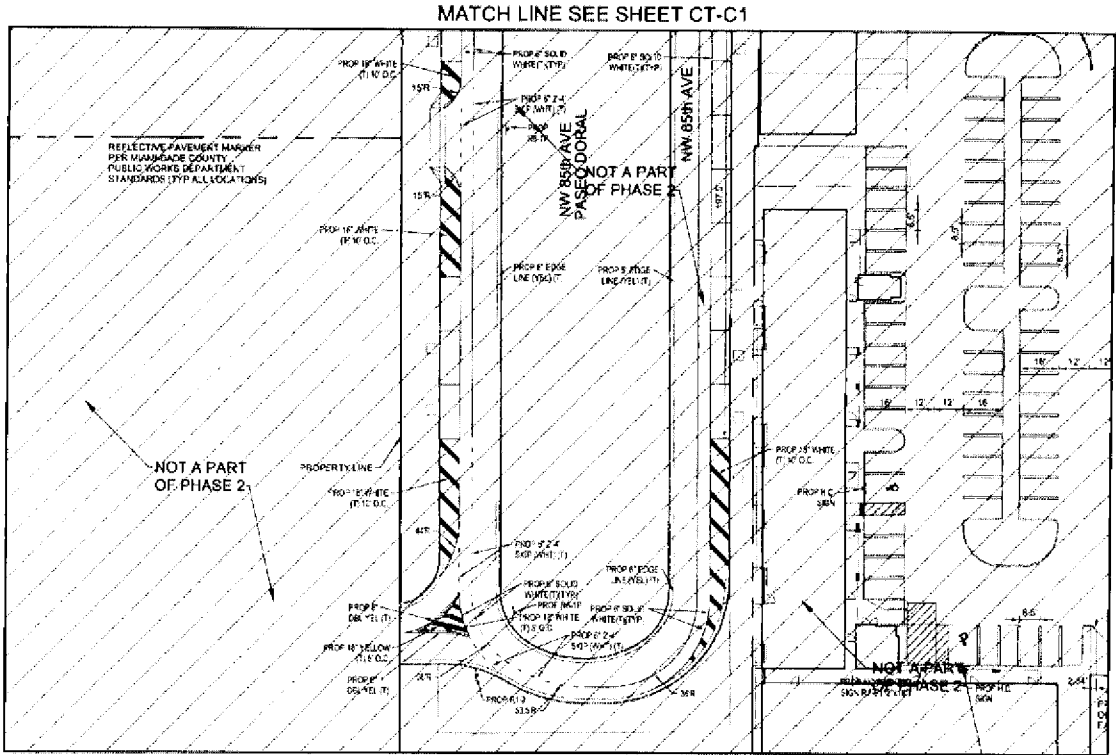
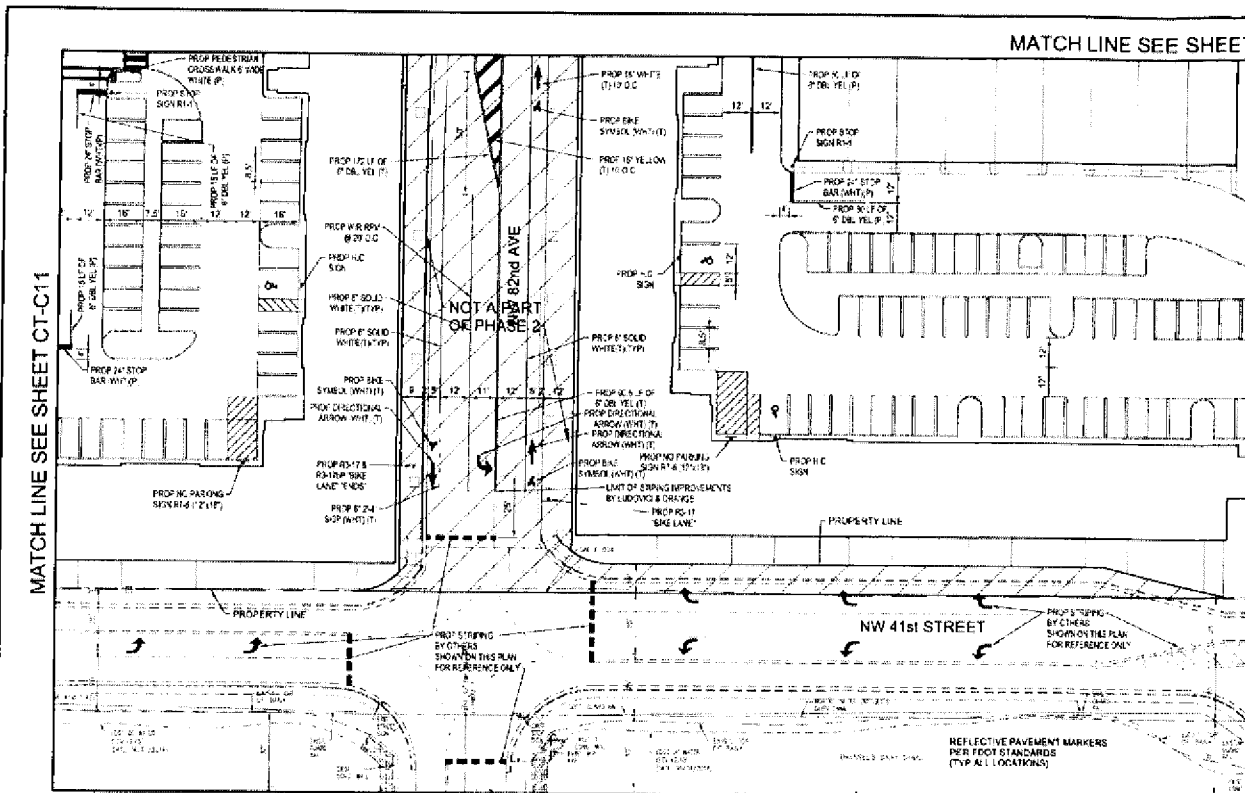


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16	09/11/18	CONDENSATE LINES ADDED							
15	03/24/18	PER COUNTY TRAFFIC REVIEW COMMENTS							
14	07/05/18	YARD DRAINS ADDED							
13	05/21/18	PER COUNTY TRAFFIC REVIEW COMMENTS							

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AutoCAD Layout Tab: C1-211



- 12. 11/01/10 PER COUNTY TRAFFIC REVIEW COMMENTS
- 13. 09/11/10 CONDENSATE LINES ADDED
- 14. 08/24/10 PER COUNTY TRAFFIC REVIEW COMMENTS
- 15. 07/25/10 YARD DRAINS ADDED
- 16. 06/21/10 PER COUNTY TRAFFIC REVIEW COMMENTS

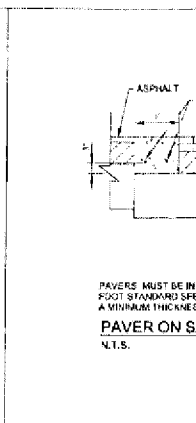
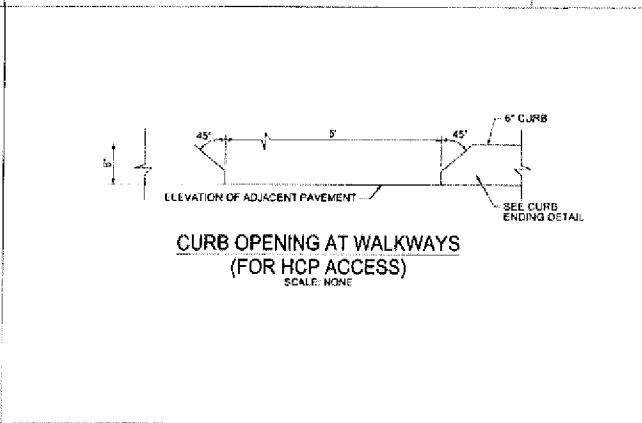
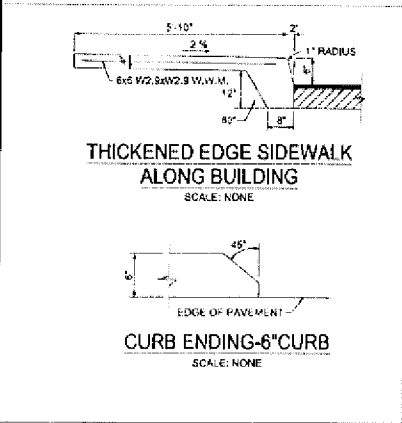
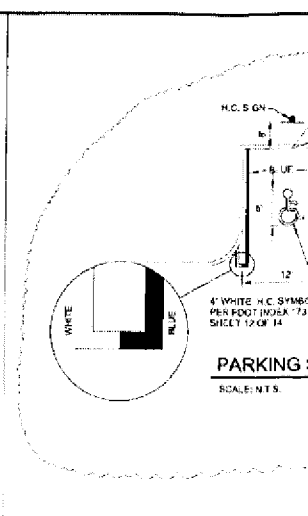
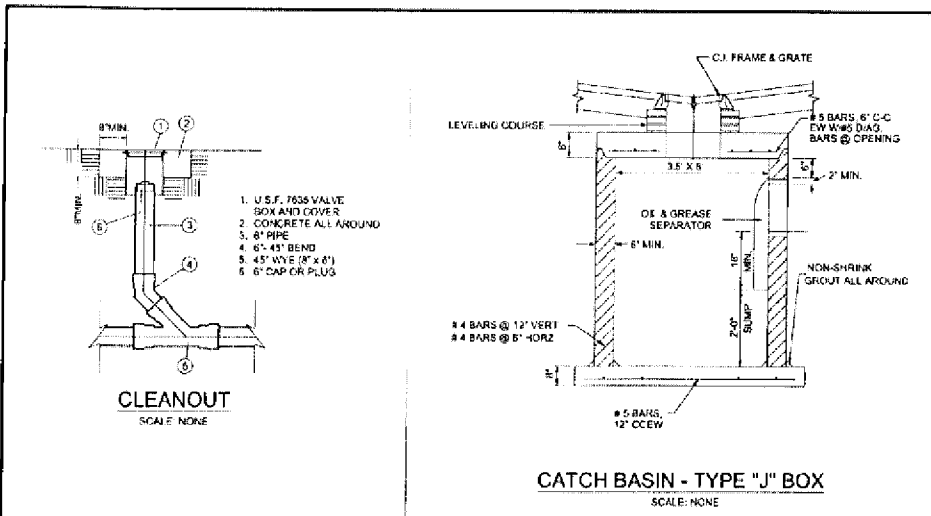
RECORD OF REVISION

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Bicyclist Symbol

Bike Lane Arrow

NOTES

1. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).
2. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).
3. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).
4. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).
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9. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).
10. All signs shall be in accordance with the Florida Manual on Uniform Traffic Control Devices (MUTCD).

FDOT INDEX 17347

DISABLED PARKING SIGN DETAIL
N.T.S.

NOTE: SIGNS ARE TO BE MOUNTED AT A HEIGHT OF 7'-0" FROM PAVEMENT TO BOTTOM OF SIGN.

NO.	DATE	DESCRIPTION	BY
17	11/11/16	PER COUNTY TRAFFIC REVIEW COMMENTS	
18	09/17/16	CONDENSATE LINES ADDED	
19	08/24/16	PER COUNTY TRAFFIC REVIEW COMMENTS	
20	07/26/16	YARD DRAINS ADDED	
21	06/21/16	PER COUNTY TRAFFIC REVIEW COMMENTS	
22	05/11/16		
23	02/22/16	PER CLUBHOUSE SITE PLAN REVISION	

RECORD OF REVISION

LUDOVICI & ORAN
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- II. GENERAL NOTES**
- A. ALL ELEVATIONS REFER TO A D V D. 1928
 - CONTRACTOR**
 1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION.
 2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATION AND GIVING NOTICE OF REQUIRED INTERFERENCES. IN DOING THIS, HONOR THE LEAD-TIME NEEDS OF THE RESPECTIVE AGENCIES.
 3. NOTIFY ENGINEER'S FIELD REPRESENTATIVE AHEAD OF TIME SO THAT HE CAN MAKE REQUIRED INTERFERENCES LISTED BELOW.
 - EXISTING UTILITIES:**
 1. PROPERLY PATCH AND REPAIR ANY DAMAGES CAUSED TO EXISTING FACILITIES AND UTILITIES. OBTAIN A MAINTENANCE PERMIT FROM THE ADJACENT UTILITY OWNER, PATCH WITH DURABLE SEAMS THAT ARE AS NEARLY AS POSSIBLE. INSPECT AND TEST PATCHED AREAS TO DEMONSTRATE INTEGRITY OF THE INSTALLATIONS, WHERE FEASIBLE.
 2. CONTRACTOR TO VERIFY LOCATION, ELEVATION, MATERIAL AND CONDITION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
 3. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE LOCATION OF FACILITIES IN THE FIELD.
 4. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
 5. EXISTING LAND MARKERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RE-ESTABLISHED BY THE CONTRACTOR'S SURVEY PARTY AND IF DISTURBED, SHALL BE RESET.
 6. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 7. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SEEDING WITH EST. ASSISTIVE GRADES AND IS INCIDENTAL TO THE CONTRACT.
 8. EXISTING ASPHALT PAVEMENT THAT IS TO BE SEVERED SHALL BE TRUCKED OFF-SITE BY THE CONTRACTOR FOR DISPOSAL AT A LOCATION APPROVED BY MIAMI-DADE COUNTY DEPT.
 9. RUBBISH AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE.
 10. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION.
 11. ALL WORK SHALL BE PERFORMED ACCORDING TO THE STANDARDS OF THE CITY OF DORAL, APPLICABLE PORTIONS OF THE DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION (STANDARD DETAILS) ARE HEREBY INCORPORATED BY REFERENCE. IN THE EVENT THAT A CITY STANDARD DIFFERS FROM INFORMATION SHOWN ON THESE PLANS, CONSULT THE ENGINEER.
 12. THE CONTRACTOR'S WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL APPROVED BY THE CITY OF DORAL AND ANY REQUIRED PERMITS, CERTIFICATIONS AND BUILT DRAWINGS, AND THE LIKE.
 13. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY PRE-CONSTRUCTION MEETING WITH THE CITY OF DORAL, AND/OR ANY OTHER AGENCY, AND PRIOR TO EXCAVATION OF FRENCH DRAIN TRENCH FOR INSPECTION BY THE ENGINEER, AND PRIOR TO ANY FINAL INSPECTION OR WALK-THROUGH.
 14. CLEAR AN AREA FROM ADJACENT AREAS OF ALL VEGETATION, ROOTS, AND OTHER DELETERIOUS MATERIALS. DELETERIOUS MATERIALS (I.E. FOSPHOL, ORGANICS, TREES, SHRUBS, LOW VEGETATION, MAJOR ROOT SYSTEMS AND ROOTS) SHALL BE REMOVED IN THEIR ENTIRETY FROM BENEATH THE PROPOSED ROADWAY AREAS.
 - SURVEY/LAYOUT:**
 1. HORIZONTAL, VERTICAL AND OFFSETS SHOWN ON CURB ROSES AND RETURNS ARE TO THE "TOP OF CURB" UNLESS OTHERWISE INDICATED.
 2. THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IF ANY ADDITIONAL DIMENSIONS OR SPECIFICATIONS ARE NEEDED TO LAYOUT OR CONSTRUCT THE PROJECT.
 - SAFETY:**
 1. UNDERGROUND CONTRACTOR SHALL COMPLY WITH THE TRENCH SAFETY ACT, HB 3183, FLORIDA STATUTES, WHICH INCORPORATES, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - a. SORE STANDARD 29 C.F.R. PART 1926, SUBPART F, EXCAVATION AND TRENCHES.
 2. ADHERE TO ANY SPECIAL SHORING REQUIREMENTS OF THE STATE OR OTHER POLITICAL JURISDICTION.
 3. ENGINEER IS NOT RESPONSIBLE FOR THE SAFETY OF THE EXCAVATION OR DESIGN AND CONSTRUCTION OF ANY SHORING.
 4. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION OPERATIONS IN A MANNER TO PREVENT INJURY TO PEOPLE AND WORKERS, AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES. ENSURE SAFE PASSAGE OF PEOPLE AROUND WORKING AREAS.
 2. NO NOTIFICATIONS TO THESE PLANS ARE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. NO AGENCY INSPECTOR, CONTRACTOR, OR OWNER IS AUTHORIZED TO UNLAWFULLY MODIFY THESE PLANS.
 3. EXCEPT AS PARTICULARLY NOTED ON THE PLANS, ALL PROPOSED CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF DORAL, MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, IF ANY ITEM OF WORK IS NOT COVERED IN EITHER OF THE SPECIFICATIONS, CONTRACTOR SHALL CONSULT THE ENGINEER OF RECORD.
 4. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES WITHIN JURISDICTION AND OBTAINING PERMITS BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 - PRE-CONSTRUCTION:**
 1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST DATCH BASINS AND MANHOLES TO THE ENGINEER FOR REVIEW AND APPROVAL.
 2. SUBMITTALS (SHOP DRAWINGS AND PRODUCT LITERATURE) NUMBER REQUIRED: ONE TO BE RETAINED BY ENGINEER PLUS WHATEVER ADDITIONAL MAY BE NEEDED BY CONTRACTOR. THREE: ALL PRODUCTS AND MATERIALS.
 3. SHOP DRAWINGS SHALL BE CHECKED AND APPROVED BY THE CONTRACTOR AND THEN SUBMITTED TO THE ENGINEER-OF-RECORD FOR REVIEW PRIOR TO THE PURCHASE OR INSTALLATION OF ANY SYSTEM COMPONENT.
 4. MOST CONSTRUCTION RECORD DRAWINGS/PROJECT CLOSEOUT:
 1. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY CONSTRUCTION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING BEFORE START OF CONSTRUCTION.
 2. HONOR CITY OF DORAL REQUIREMENTS.
 3. HIGH PERFORMANCE UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE DRAINAGE SYSTEM BY MIAMI-DADE COUNTY DEPT.
 - WALK:**
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL EXISTING MANHOLE AND INLET COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AND REQUIRED, WHETHER SPECIFICALLY SHOWN ON PLANS OR NOT.
 2. ELEVATIONS AND LOCATIONS SHOWN ON PLANS FOR MANHOLES, INLETS AND THE LIKE ARE PROVIDED AS A REFERENCE FOR FINISHING, ESTABLISHING AND PRECASTING. ACTUAL ELEVATIONS AND LOCATIONS SHALL MATCH FINISHED SURFACES, INCLUDING CROSS-SLOPES, WHERE APPLICABLE.
 - PERMITS AND APPROVALS:**
 1. ENGINEER IS RESPONSIBLE FOR OBTAINING REGULATORY AGENCY APPROVALS OF CONSTRUCTION DRAWINGS.
 2. OWNER IS RESPONSIBLE FOR OBTAINING CONSTRUCTION PERMITS FOR THOSE WORKS FOR WHICH THE REGULATORY AGENCIES ISSUE PERMITS ONLY TO THE OWNER.
 3. CONTRACTOR IS RESPONSIBLE FOR FULFILLING ALL OTHER NECESSARY CONSTRUCTION PERMITS, UNLESS OTHERWISE PROVIDED IN THE CONTRACT BETWEEN OWNER AND OWNER. THE CONTRACTOR SHALL PAY THE CONSTRUCTION PERMIT FEES.
 - PAVING, GRADING AND DRAINAGE:**
 1. COMPACTED BASE COURSE (THICKNESS FOR ASPHALTIC CONCRETE PAVEMENTS):
 - a. 8" LIBERGA PASE W/ A MIN. LBN OF 100, COMPACTED TO 98% OF THE MAX. DENSITY AS DETERMINED BY ASTM D-155.
 - b. 12" STABILIZED SUB-BASE W/ A MIN. LBN OF 40, COMPACTED TO 95% OF THE MAX. DENSITY AS DETERMINED BY ASTM D-155.
 2. ASPHALTIC CONCRETE (THICKNESS):
 - a. 1-1/2" MINIMUM (TWO 3/4" LIFTS)
 3. INLET BASIN FRAMES & GRATES:
 - a. U.S. STANDARD 400 (R-29) (INSECT) UNLESS NOTED OTHERWISE IN DRAINAGE STRUCTURE TABLE
 4. SOLID STORM DRAINAGE PIPE
 - a. MANHOLES:
 - (1) ADVANCED DRAINAGE SYSTEMS, INC. "ADS 12" SMOOTH-LINED CORRUGATED HIGH-DENSITY POLYETHYLENE PIPE, PERFORATED WHERE APPLICABLE
 - OR
 - (2) EQUIVALENT 18" DIA. ALUMINUM PERFORATED, ADS-18196, TYPE 22, CLASS 2 PERFORMANCE
 - (3) SOLID PIPE: EQUIVALENT 18" DIA. ALUMINUM, ADS-18196, TYPE 1
 - b. RAIN WATER LEADERS AND COMPONENTS DRAWING: PDC CHAPTER 11; 4" AND LARGER SHALL BE PVC SDR 35; 3" AND SMALLER SHALL BE PVC SCHEDULE 40 OR 50
 - c. WHERE NEW PAVEMENT IS TO BE SET OVER EXISTING PAVEMENT, ALL EDGES OF EXISTING PAVEMENT ARE TO BE GRAD OFF.
 - d. ALL GRASSES SHOWN ARE FINISH ASPHALT PAVEMENT GRADES UNLESS OTHERWISE NOTED.
 - e. ALL EXISTING STORM INLETS SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT AGAINST DILUTION IN DRAINAGE SYSTEM.

17 10/13/18 PER COUNTY TRAFFIC REVIEW COMMENTS

18 09/11/18 COMMENTS (LMB ADDED)


19 05/24/18 PER COUNTY TRAFFIC REVIEW COMMENTS

20 04/05/18 PAID DRAWS ADDED

21 03/21/18 PER COUNTY TRAFFIC REVIEW COMMENTS

NO.	DATE	DESCRIPTION	BY	APP. NO.	DATE	DESCRIPTION	BY	APP. NO.

RECORD OF REVISION



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