

SECTION 13, TOWNSHIP 52S, RANGE 40E  
FOR  
ALI AHMED

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1. A PREFERRED HORIZONTAL DISTANCE (OUTSIDE TO OUTSIDE) OF 10 FEET OR MINIMUM OF 6 FEET SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER MAINS. THE HORIZONTAL SEPARATION CAN BE REDUCED TO A MINIMUM OF 3 FEET ONLY FOR GRAVITY SEWER PIPES WHERE THE BOTTOM OF THE WATER MAIN IS LAND SURFACE OR THE BOTTOM OF THE GRAVITY SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE. WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATION ARE ALLOWED IF:
  - THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
  - THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OF CONCRETE.
  - THE TOP OF THE SEWER IS A LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE.
2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES PREFERABLY CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR GRAVITY SEWERS WHERE THE SEWER PIPE IS CROSSING BELOW THE WATER MAIN. THE MINIMUM VERTICAL SEPARATION SHALL BE MAINTAINED FOR ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FROM ALL JOINTS GRAVITY AND PRESSURE SEWER PIPES. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT SMALLER SEPARATIONS ARE ALLOWED IF:
  - THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
  - THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OF CONCRETE.
3. THE CONTRACTOR SHALL VERIFY NATURE, DEPTH, AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
4. ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT LEAST 5 FEET FROM ANY WATER AND SEWER MAIN AS MEASURED FROM THE OUTSIDE BELL OF THE WATER OF THE UTILITY PIPE.
5. WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINE IS NOT POSSIBLE, THE CONTRACTOR SHALL HAND DIG OR EXPOSE THE WATER AND SEWER PIPES. BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.
6. IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUTS, CABLES, ETC. IN THE SAME TRANCE PARALLEL AND ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS. ANY DEVIATION FROM NOTES 3, 4 AND 5 SHALL BE APPROVED IN WRITING BY THE RESPONSIBLE WATER AND SEWER UTILITY.
7. IN HIGHLY CONGESTED AREAS, WHERE EITHER WATER OR SEWER FACILITIES ARE EXISTING OR THE SEPARATION REQUIREMENTS CANNOT BE MET, SPECIAL CONSIDERATION MAY BE GIVEN SUBJECT TO SUBMITTAL OF DOCUMENTATION SHOWING THAT THE PROPOSED ALTERNATIVE WILL RESULT IN AN EQUIVALENT LEVEL OF RELIABILITY AND PUBLIC SAFETY.
8. GRAVITY SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE PVC-300 OR DUCTILE IRON PIPE THE MAXIMUM ALLOWABLE EXFILTRATION, INFILTRATION, OR LEAKAGE FOR GRAVITY SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE FIFTY (50) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY FOR RESIDENTIAL LAND USE AND TWENTY (20) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY FOR NON-RESIDENTIAL LAND USE. THE MAXIMUM ALLOWABLE EXFILTRATION, INFILTRATION, OR LEAKAGE IN GRAVITY SANITARY SEWERS CONSTRUCTED OUTSIDE A PUBLIC WELLFIELD PROTECTION AREA SHALL BE ONE HUNDRED (100) GALLONS PER INCH PIPE DIAMETER PER MILES PER DAY. THE DURATION OF ALL TESTS SHALL BE A MINIMUM OF TWO (2) HOURS, ANY OBSERVED LEAKS SHALL BE REPAIRED IMMEDIATELY OR THE PIPES SHALL BE REPLACED EVEN WHEN THE TIME TO LEAKAGE IS BELOW THAT ALLOWED.
9. FORCE MAIN SEWERS CONSTRUCTED IN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE EITHER DUCTILE IRON OR REINFORCED CONCRETE PIPE. SEWER PIPES:
  - FOR DUCTILE IRON PIPE EXFILTRATION RATE SHALL NOT BE GREATER THAN THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AMERICAN WATER WORKS ASSOCIATION STANDARD (AWWA) 600-82 AT A TEST PRESSURE OF 150 PSI.
  - FOR REINFORCED CONCRETE PIPE EXFILTRATION RATE SHALL NOT BE GREATER THAN HALF (1/2) THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AWWA 600-82 AT A TEST PRESSURE OF 150 PSI.
10. A NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AT EACH PUMP TO RECORD THE TOTAL NUMBER OF OPERATING HOURS OF THE STATION.

TRACT "C" OF "MIAMI LAKES EAST SECTION ONE", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 122, AT PAGE 48, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.



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| DRAWN BY:    | JF                  |
| CHECKED BY:  | KN                  |
| DATE:        | 11-15-1             |
| CAD I.D.:    | F190101 COVER SHEET |

PROJECT:

**MIAMI LAKES AUTO  
MALL GARAGE**

FOR

**ALI AHMED**



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June 18, 2020  
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FLORIDA BUSINESS CERT. OF AUTH. No. 27521

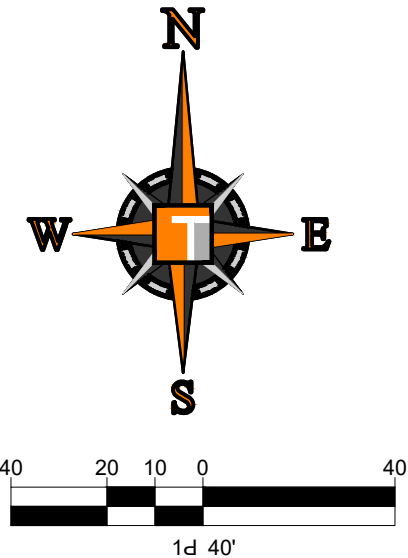
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**C-01**



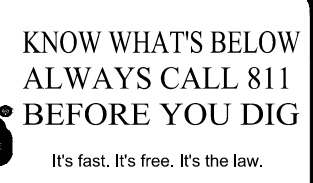


CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO

ALL EXISTING UTILITIES SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE AND LOCAL UTILITY COMPANY REQUIREMENTS.

ALL DEMOLITION DEBRIS TO BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

- THE OWNERS ENGINEERING GROUP IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
2. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO THOMAS ENGINEERING GROUP IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
3. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING:
- A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
- B. ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
- C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
- D. LOCATE/CAP ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE.
- E. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
- F. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL INFORM THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
- G. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "TOP PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
4. A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT.
- THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
- THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
- IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNERS STRUCTURAL OR GEOTECHNICAL ENGINEER.
- EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL, AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS- OF -WAY.
- CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
- DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
1. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STREETS AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
2. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
3. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
4. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

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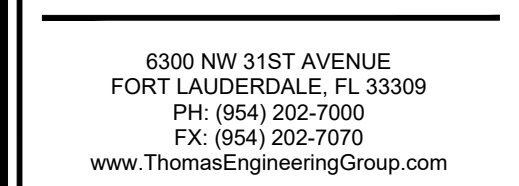
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| PROJECT No.: | F190101           |
| DRAWN BY:    | JVF               |
| CHECKED BY:  | KND               |
| DATE:        | 11-15-19          |
| CAD I.D.:    | F190101 DEMO PLAN |

PROJECT: \_\_\_\_\_

**MIAMI LAKES AUTO  
MALL GARAGE**

FOR

**ALI AHMED**



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KRISTIN N. DIPIERRO

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PROFESSIONAL ENGINEER

PROFESSIONAL ENGINEER  
June 18, 2020  
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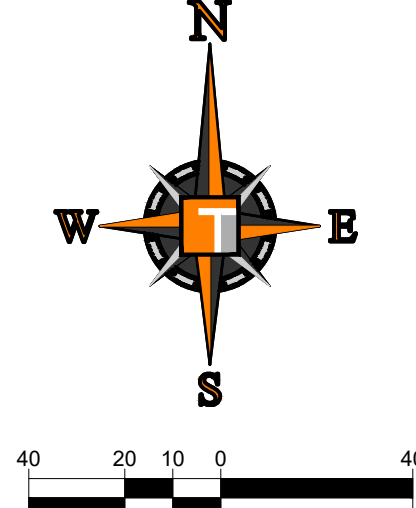
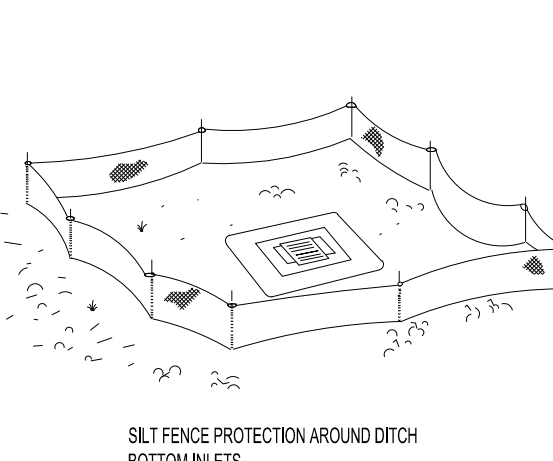
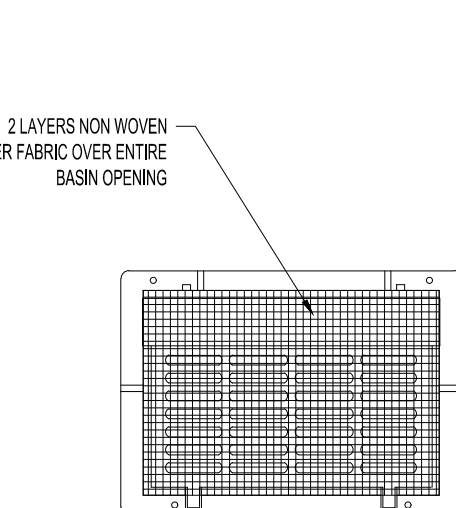
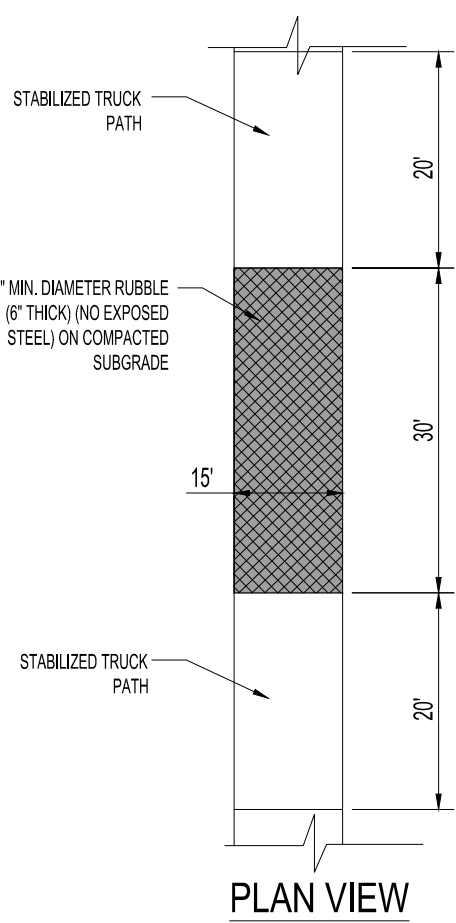
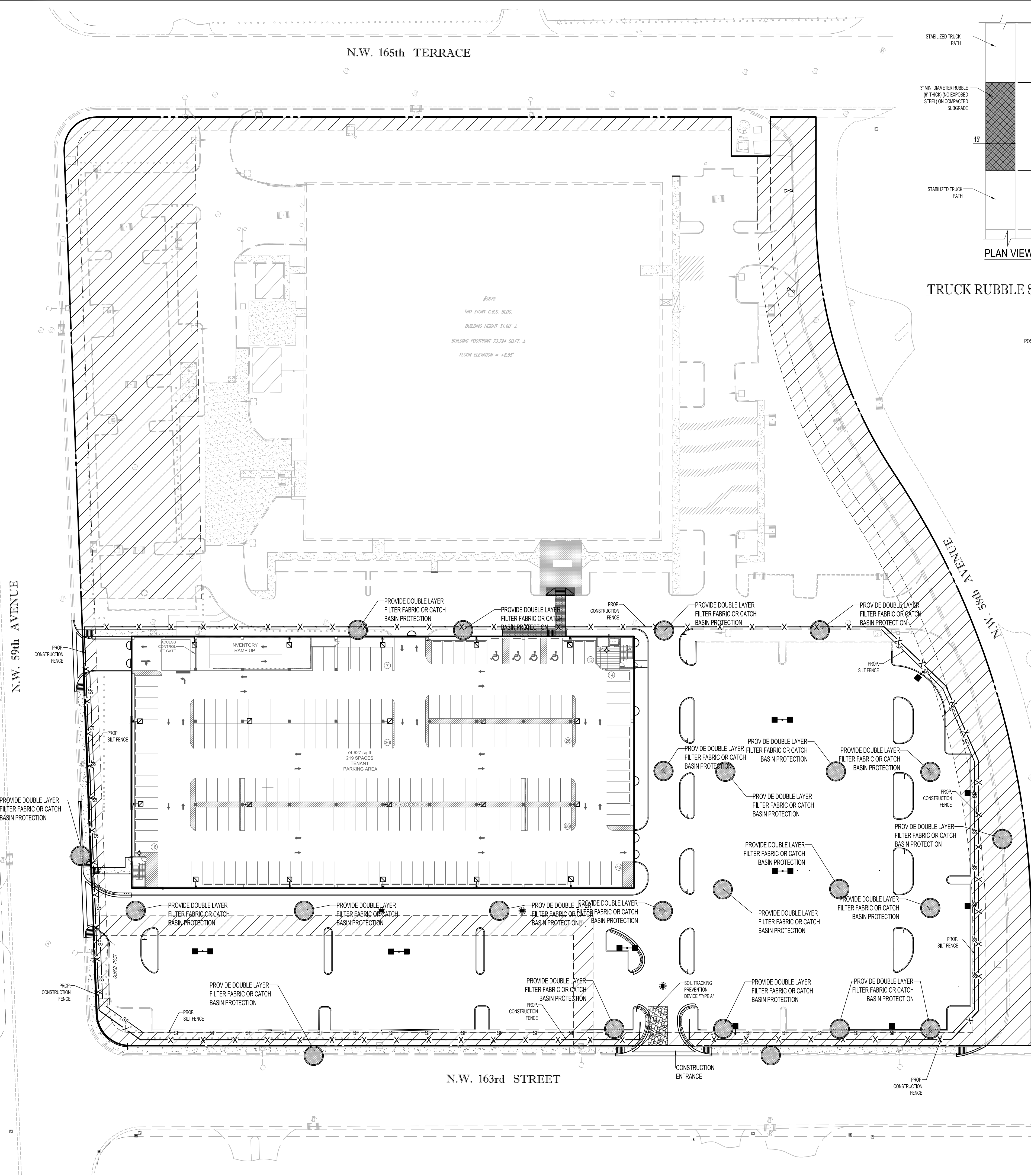
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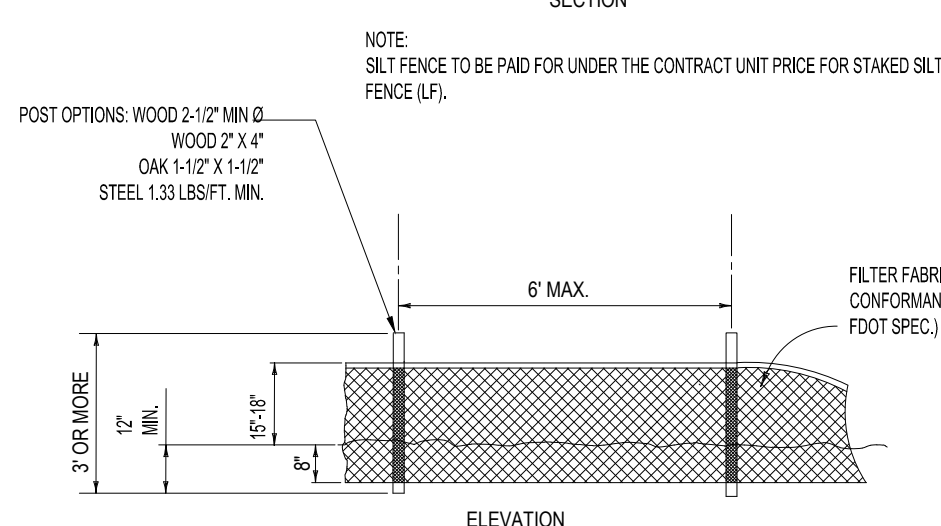
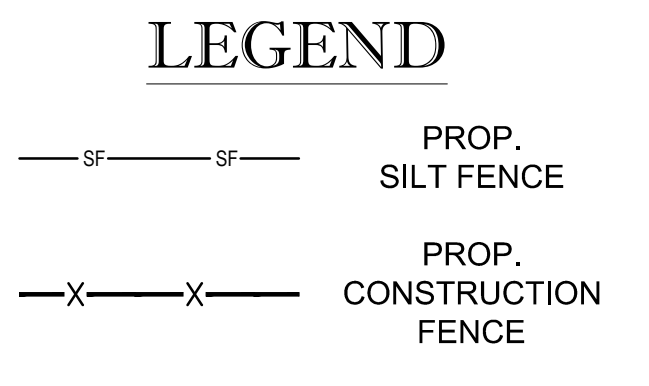
## DEMOLITION PLAN

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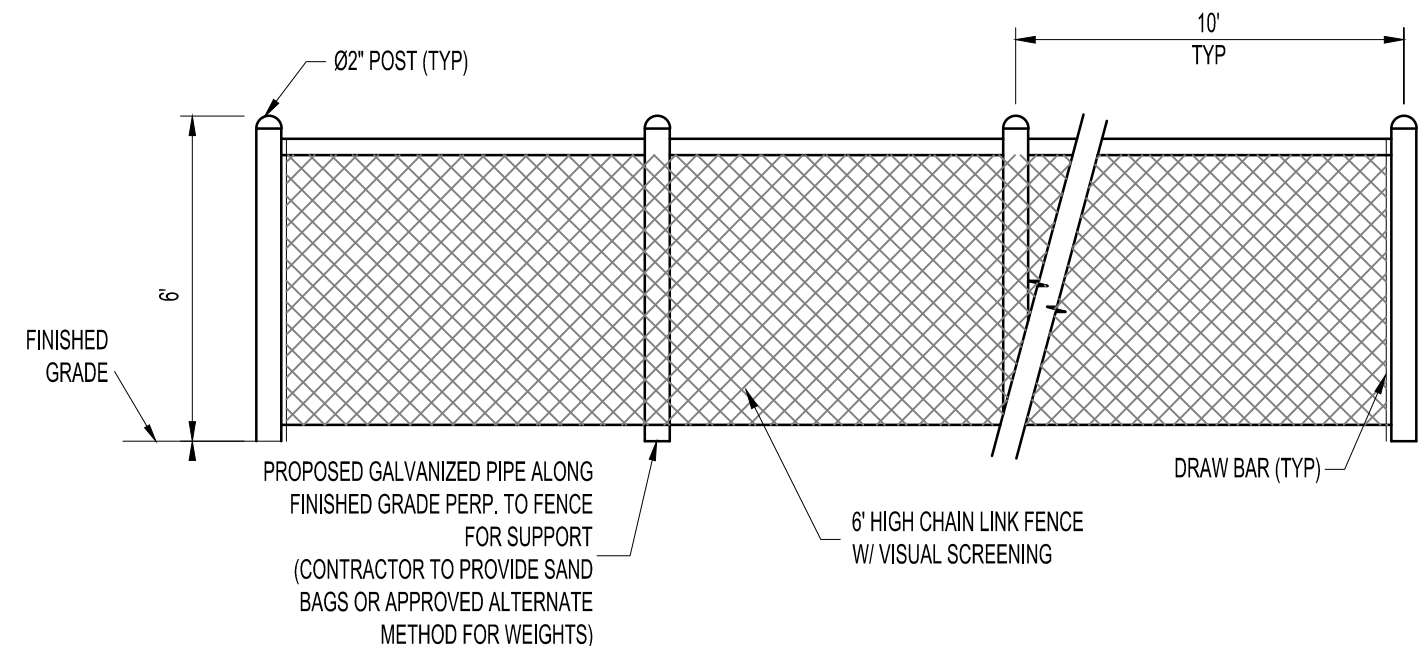
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- NOTES:
- 1) SILT FENCE TO BE CONSTRUCTED WHEREVER OFFSITE AREAS ARE LOWER THAN ADJACENT ONSITE ELEVATIONS.
  - 2) CATCH BASIN FABRIC TO BE PLACED ON AREA INLETS SUBJECT TO SEDIMENT FROM THIS PROJECT.
  - 3) ALL EROSION CONTROL DEVICES SUCH AS RUBBLE STRIPS, SILT FENCE AND OTHER BMPs SHALL BE INSTALLED PRIOR TO CONSTRUCTION.



**SILT FENCE DETAIL**  
(F.D.O.T. INDEX 102, SHEET 03 OF 03)



**CONSTRUCTION FENCE DETAIL**

**NOTE:**

CONTRACTOR TO INSTALL TEMPORARY FENCING AND BARRIERS AROUND ALL AREAS OF WORK IN SUCH A MANNER THAT THE PUBLIC ARE SEPARATED FROM THE PROPOSED IMPROVEMENTS. SUCH TEMPORARY FENCING AND BARRIERS SHALL NOT INTERFERE WITH ACCESS TO THE FACILITY OR NORMAL TRAFFIC OF THE PUBLIC.

1. CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT AND THE SITE IS STABILIZED. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
2. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR A LOWER HEIGHT BASED ON MANUFACTURER'S SPECIFICATIONS.
3. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
4. ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER AND/OR MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT. AS SOON AS FINAL GRADES ARE ESTABLISHED IN AN UNPAVED AREA, THE CONTRACTOR SHALL STABILIZE WITH A TEMPORARY GRASS OR PERMANENT SOD. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOD AT THE PROPER TIME OF YEAR.
5. FILL SLOPES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
6. THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THEIR PROPOSED GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITHOUT PERMANENT STABILIZATION.
7. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
8. CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL ACCEPTED BY THE OWNER AT NO EXPENSE TO OWNER.
9. LAND DISTURBING ACTIVITIES BE KEPT TO A MINIMUM AND WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
10. THE CONTRACTOR SHALL CONSTRUCT THE SILT FENCING AS SHOWN AT THE PERIMETER OF THE SITE PLAN PRIOR TO LAND CLEARING ACTIVITIES.
11. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH THE NPDES STORMWATER REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INSPECTION REQUIREMENTS.
12. ALL EROSION CONTROL MEASURES EXCEPT THE REQUIRED RIP RAP ARE TEMPORARY DEVICES. THESE TEMPORARY DEVICES SHALL BE REMOVED PRIOR TO COMPLETION OF CONSTRUCTION ONCE STABILIZATION OF ALL GRASSSED AREAS ARE COMPLETE.
13. PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN HEREON SHALL BE IN PLACE. CLEARING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN HEREON UNTIL ALL SUCH MEASURES ARE IN PLACE.
14. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC., REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.

THOMAS

ENGINEERING GROUP

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PROJECT No.: F190101  
DRAWN Y-A JVF  
CHECKED Y-A KND  
DATE: 11-15-19  
CAD I.D.: F190101 EROSION CONTROL PLAN

PROJECT:

MIAMI LAKES AUTO  
MALL GARAGE

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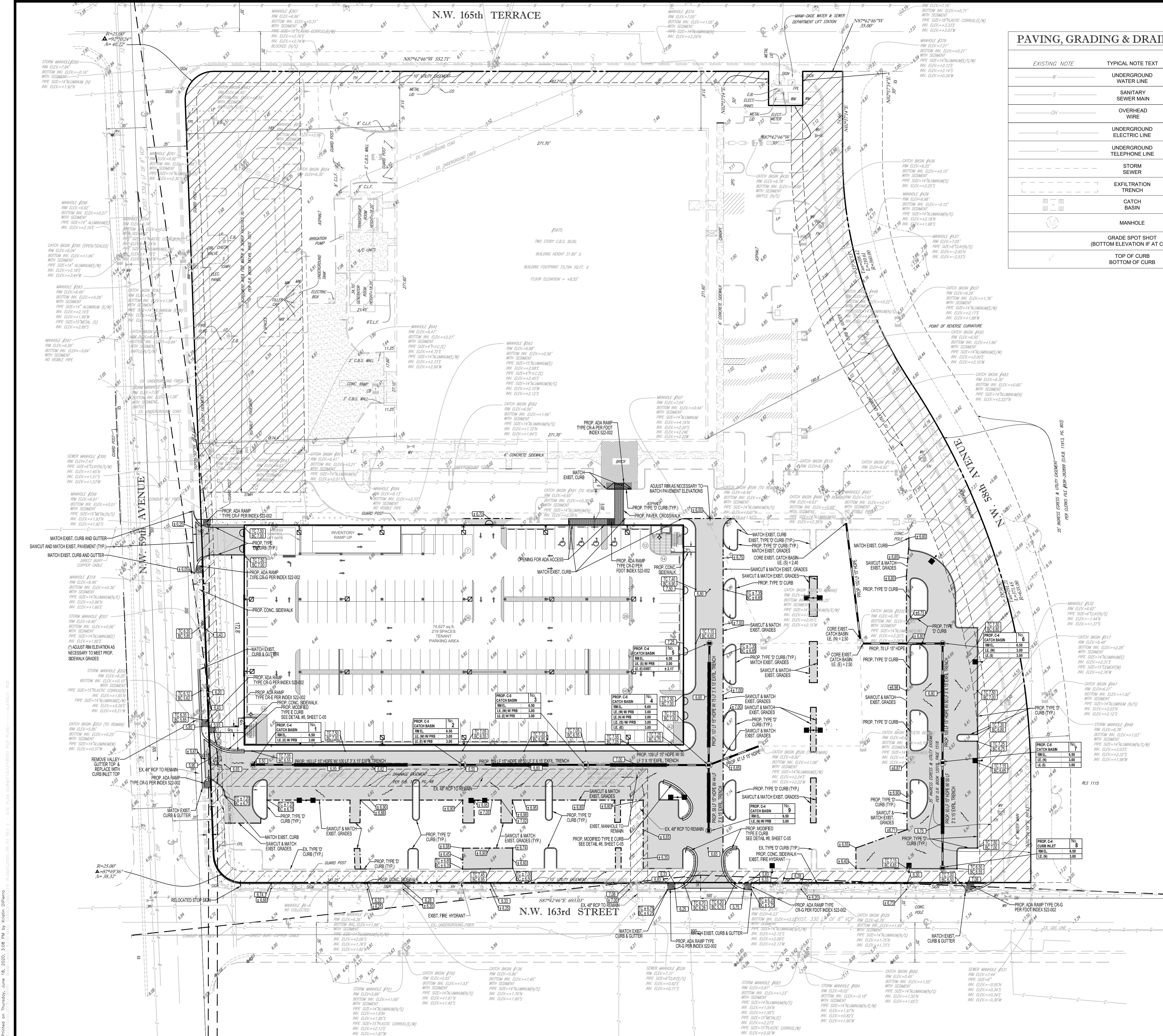
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EROSION CONTROL  
PLAN

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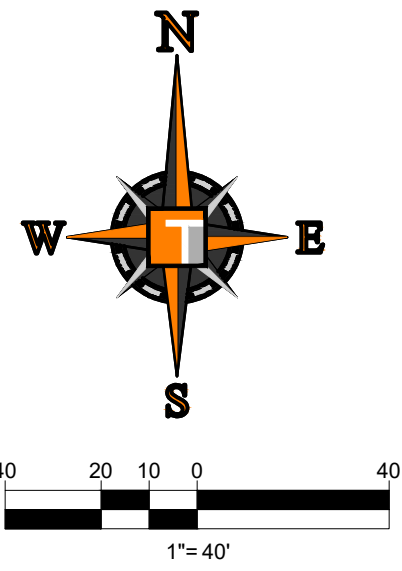
C-04





### PAVING, GRADING & DRAINAGE LEGEND

| EXISTING NOTE | TYPICAL NOTE TEXT                             | PROPOSED NOTE |
|---------------|-----------------------------------------------|---------------|
| W             | UNDERGROUND WATER LINE                        |               |
| S             | SANITARY SEWER MAIN                           |               |
| OH            | OVERHEAD WIRE                                 |               |
| E             | UNDERGROUND ELECTRIC LINE                     |               |
| T             | UNDERGROUND TELEPHONE LINE                    |               |
|               | STORM SEWER                                   |               |
|               | EXPILATION TRENCH                             |               |
|               | CATCH BASIN                                   |               |
|               | MANHOLE                                       |               |
|               | GRADE SPOT SHOT (BOTTOM ELEVATION IF AT CURB) |               |
|               | TOP OF CURB                                   |               |
|               | BOTTOM OF CURB                                |               |



### HATCH LEGEND

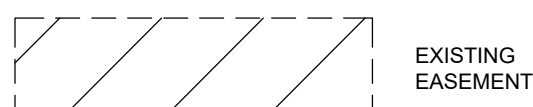
|  |                                            |
|--|--------------------------------------------|
|  | PROPOSED ASPHALT PAVEMENT                  |
|  | PROPOSED CONCRETE 4'-SIDEWALKS 6'-ROADWAYS |
|  | EXISTING CONCRETE                          |

### CONSTRUCTION NOTES:

- CONTRACTOR TO SAW-CUT AT ALL LOCATIONS OF REMOVAL OF EXISTING CONC. SIDEWALK, CONC. CURB AND ASPHALT UNLESS OTHERWISE NOTED. ALL BASE AND SUBBASE MATERIAL SHALL BE REMOVED WITHIN THE PROPOSED LANDSCAPED AREA.
- CONTRACTOR TO MATCH EXIST. GRADES AND TO CONSTRUCT A SMOOTH TRANSITION FROM EXISTING FACILITIES TO PROPOSED.
- CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE AND DISPOSE PER LOCAL ORDINANCES.
- CONTRACTOR TO ENSURE ALL CONSTRUCTION IS IN ACCORDANCE WITH CITY DESIGN STANDARDS.
- CONTRACTOR TO SOD ALL DISTURBED AREAS. SODDING INCLUDES MAINTAINING SLOPE AND SOD UNTIL COMPLETION AND ACCEPTANCE OF THE TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST.
- ALL EXISTING TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
- THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT THAT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OF THESE STANDARDS OR THE PROGRESSION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED AREA.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS/HER CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770) PRIOR TO CONSTRUCTION.
- PROJECT BASED ON DESIGN SURVEY PREPARED BY OTHERS. DURATION OF CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 600.
- THE CONTRACTOR SHALL NOT ENCLOSE ONTO PRIVATE PROPERTY WITHOUT EASEMENTS NECESSARY FOR COMPLETION OF THE WORK.
- THE EXISTING UNDERGROUND UTILITIES SHOWN ARE PER ABOVE GROUND SURVEY DATA AND UTILITY AS-BUILT DATA. THIS INFORMATION DOES NOT WARRANT EXACT SIZE AND LOCATION OF THE UTILITIES. ALSO, THERE MAY BE ADDITIONAL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION THAT MAY BE AFFECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING EXISTING UTILITIES DURING THE COURSE OF CONSTRUCTION.
- PLEASE SEE MEP PLANS FOR CONTINUATION OF ROOF LEADERS.
- 2.0% MAXIMUM SLOPE ON HANDICAP SPACES AND ADA ACCESS WAYS.
- ALL SIDEWALKS SHOULD HAVE A MAXIMUM CROSS SLOPE OF 2.0%.
- ALL GRADE SHOTS ARE TO BE EDGE OF PAVEMENT (EOP) UNLESS OTHERWISE NOTED.
- CONTRACTOR TO CLEAN THE EXISTING STORM SYSTEM AND COORDINATE THE INSPECTION WITH BROWARD COUNTY SURFACE WATER MANAGEMENT AND THOMAS ENGINEERING GROUP.
- EXISTING DRAINAGE SYSTEM TO BE CLEANED PRIOR TO CERTIFICATION.
- ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE THE TOWN WITH THREE (3) SIGNED & SEALED "AS-BUILT" SURVEYS OF THE IMPROVEMENTS AS WELL AS ONE (1) ELECTRONIC COPY OF THE "AS-BUILT" SURVEY IN AUTOCAD FORMAT.

### FLOOD LEGEND

| ITEM                                  | ELEVATION            |
|---------------------------------------|----------------------|
| 5-YEAR 1-DAY PEAK STAGE ELEVATION     | 6.76 NGVD            |
| 25-YEAR 3-DAY PEAK STAGE ELEVATION    | 7.34 NGVD            |
| 100-YEAR 3-DAY PEAK STAGE ELEVATION   | 7.63 NGVD            |
| FEMA ZONE/BASE FLOOD ELEVATION        | ZONE AE/6.0 FT. NGVD |
| AVG. WET SEASON GROUNDWATER ELEVATION | 3.00 NGVD            |



EXISTING EASEMENT

ALL ELEVATIONS ARE BASED ON THE NORTH GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). TO CONVERT FROM NGVD TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), USE A CONVERSION FACTOR OF (-)1.50.

**THOMAS**  
ENGINEERING GROUP

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

6300 NW 31ST AVENUE  
JUPITER, FL 33409  
P: 561-202-7000

1502 W. FLETCHER AVE.  
JUPITER, FL 33412  
P: 561-379-4100

25 W. INDIANTOWN RD.  
JUPITER, FL 33408  
P: 561-203-7503

THE INFORMATION, DESIGN AND CONTENT OF THIS PLAN ARE PREPARED BY AND SHALL BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO OTHER USES SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THOMAS ENGINEERING GROUP, LLC.

REVISIONS:

REV: DATE: COMMENT: BY:

PROJECT No.: F190101

DRAWN BY: JFV

CHECKED BY: KND

DATE: 11-15-19

CAD I.D.: F190101 PGD PLAN

PROJECT:

MIAMI LAKES AUTO

MALL GARAGE

FOR

ALI AHMED

THOMAS

ENGINEERING GROUP

6300 NW 31ST AVENUE

FORT LAUDERDALE, FL 33309

PH: (561) 202-7000

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www.ThomasEngineeringGroup.com

KRISTIN N. DIPIERRO

PROFESSIONAL ENGINEER

FLORIDA LICENSE NO. 84350

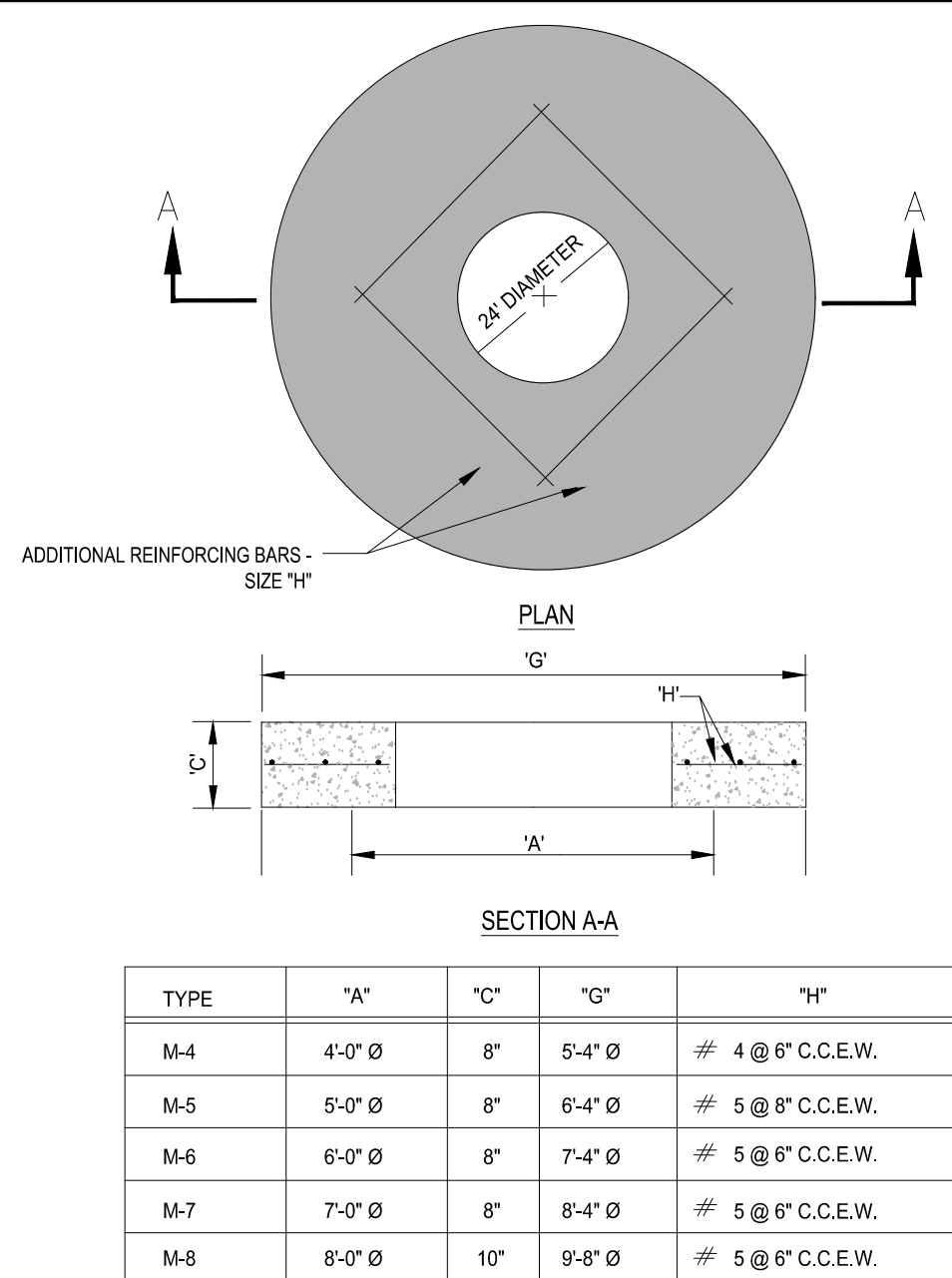
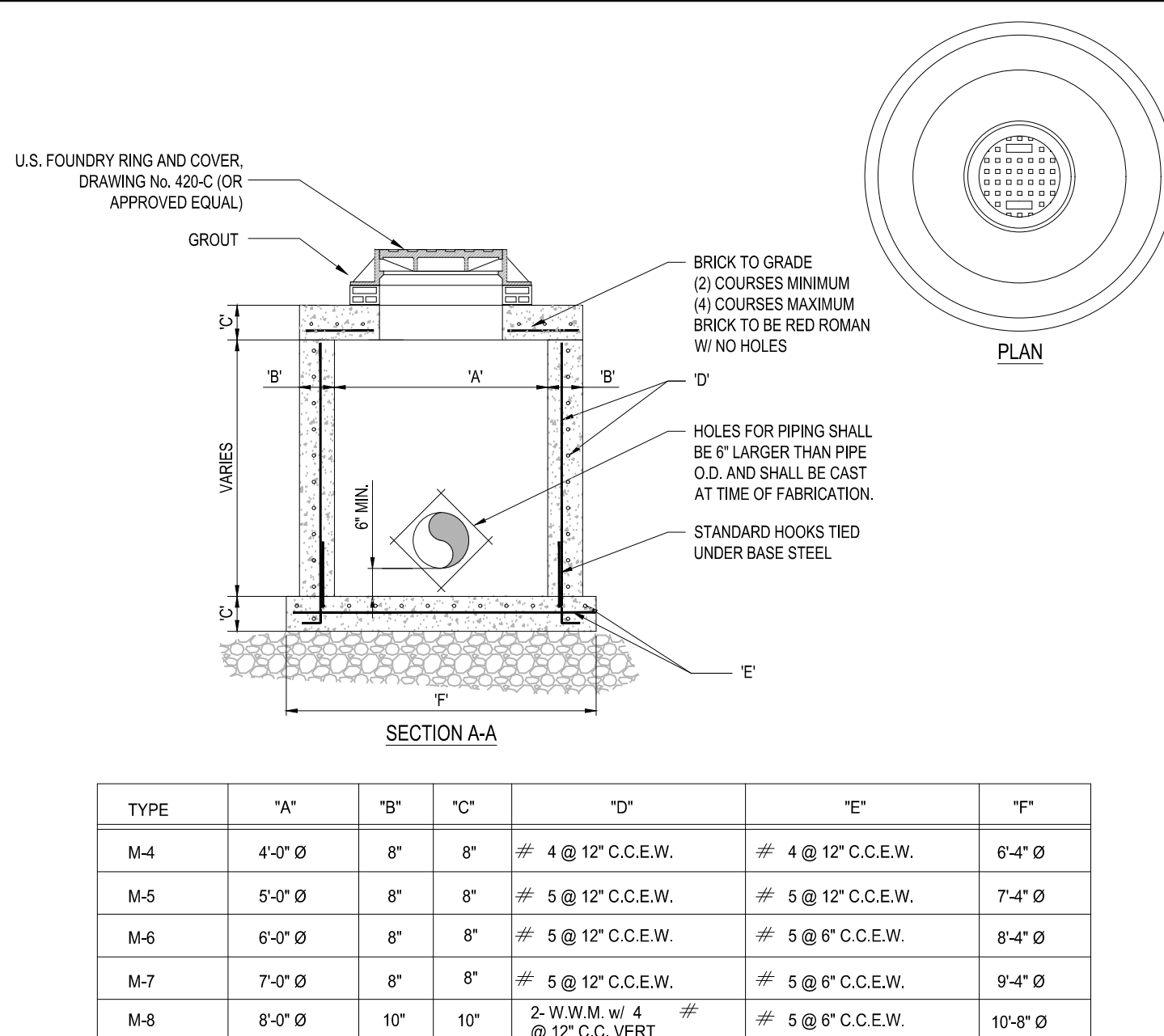
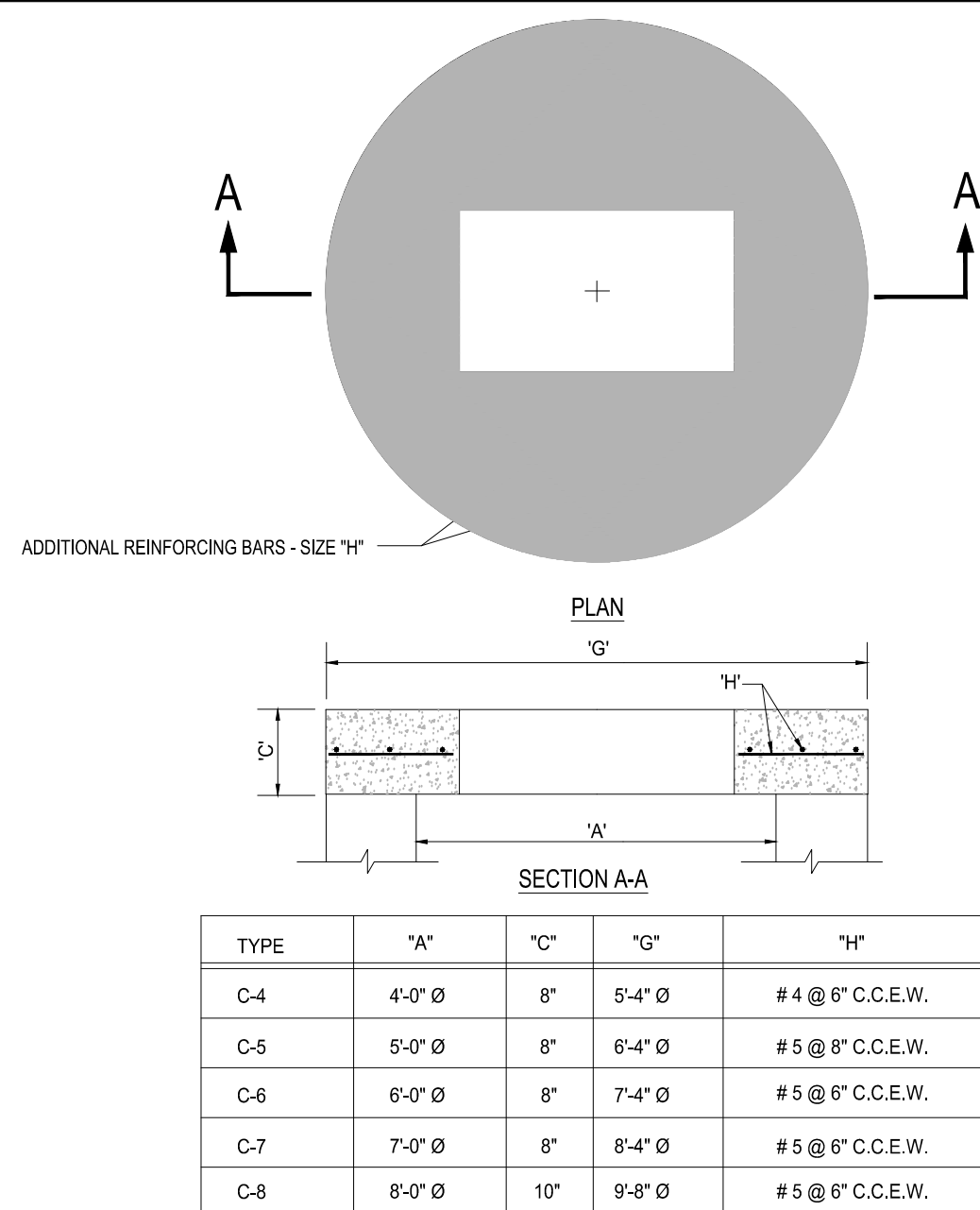
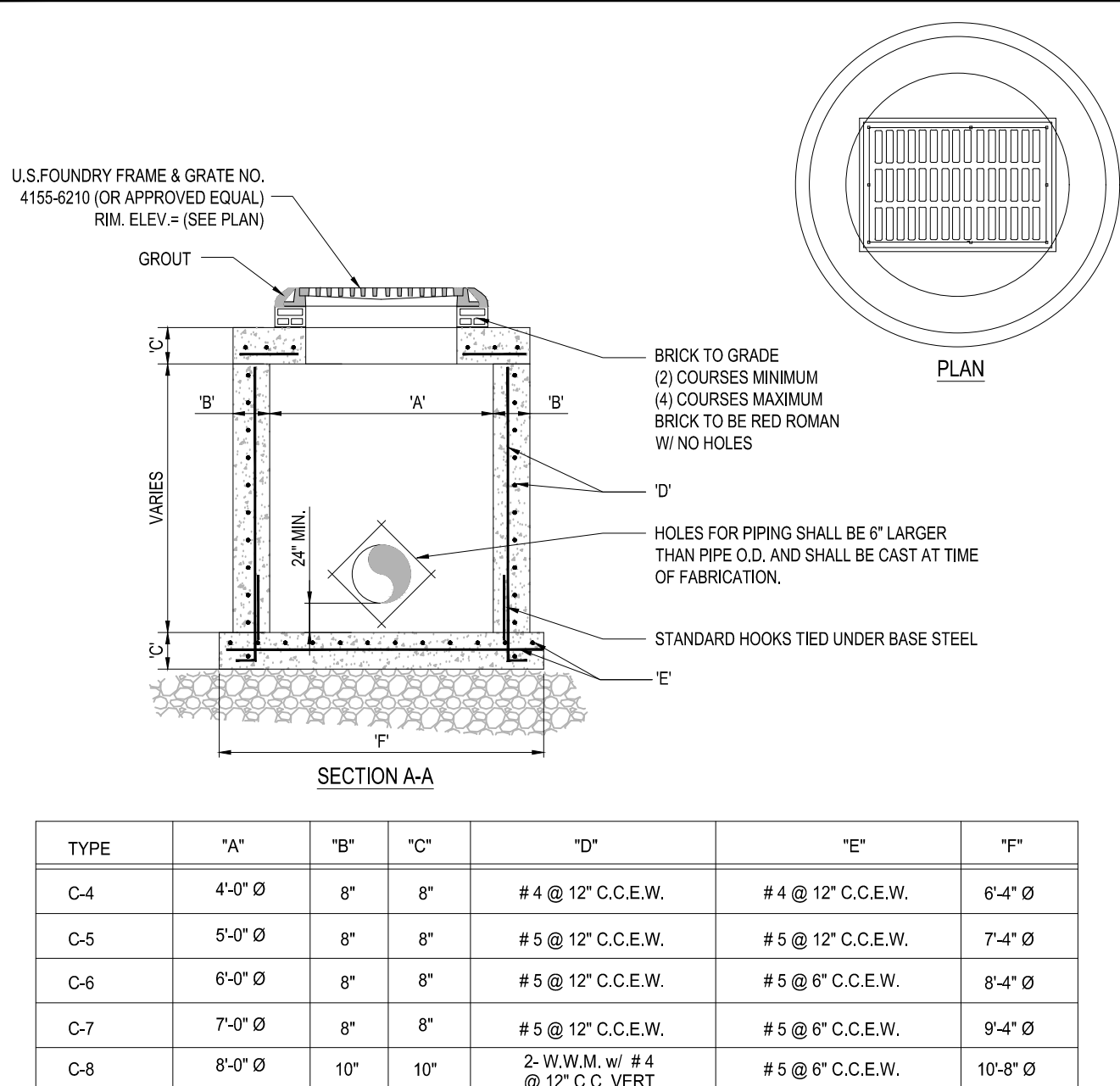
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

SHEET TITLE:

PAVING, GRADING & DRAINAGE PLAN

SHEET NUMBER:

C-06

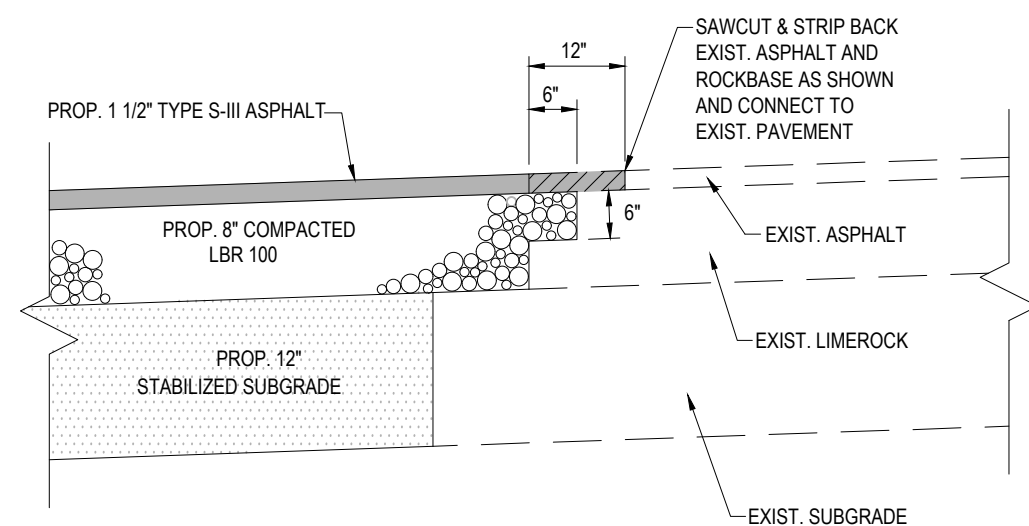


|   |                              |
|---|------------------------------|
| 1 | PRECAST CIRCULAR CATCH BASIN |
|---|------------------------------|

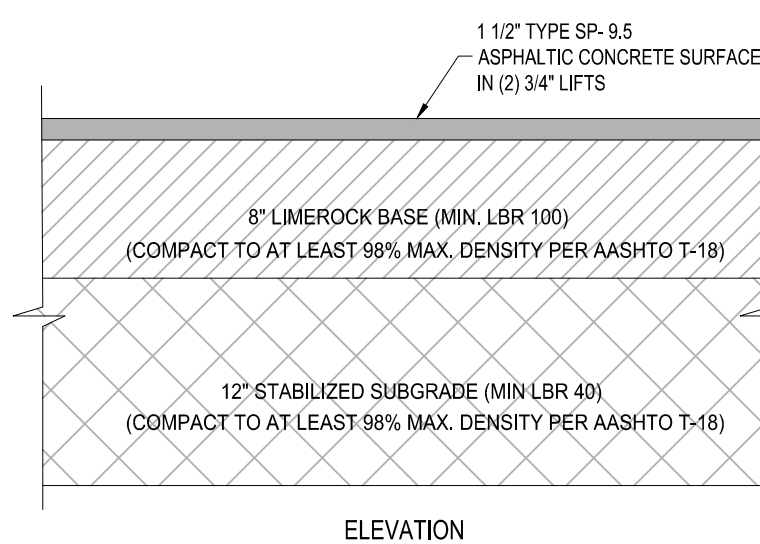
|   |                           |
|---|---------------------------|
| 2 | PRECAST CONCRETE-TOP SLAB |
|---|---------------------------|

### 3 PRECAST CIRCULAR DRAINAGE MANHOLE

## PRECAST CONCRETE-TOP SLAB FOR DRAINAGE MANHOLES

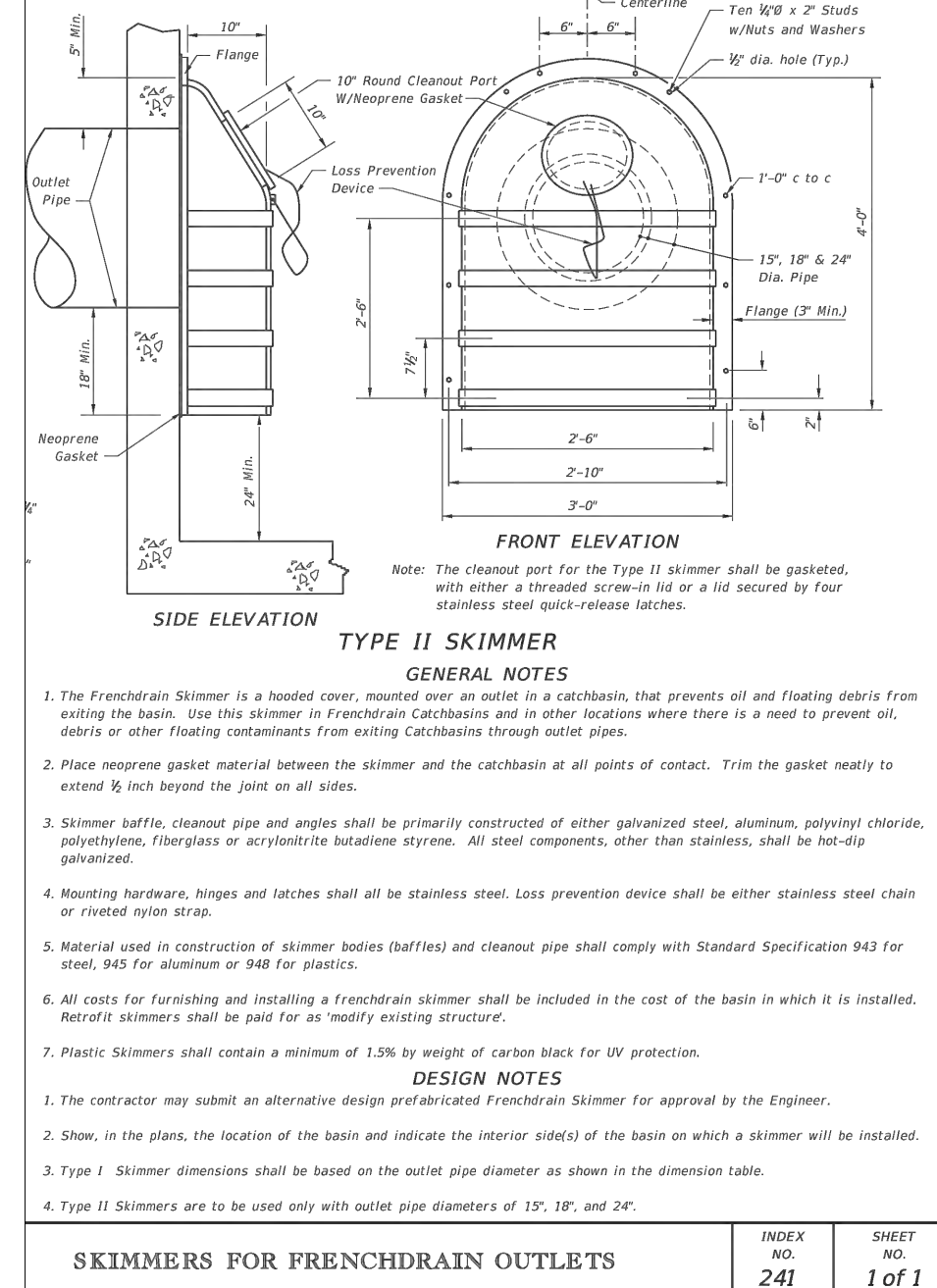
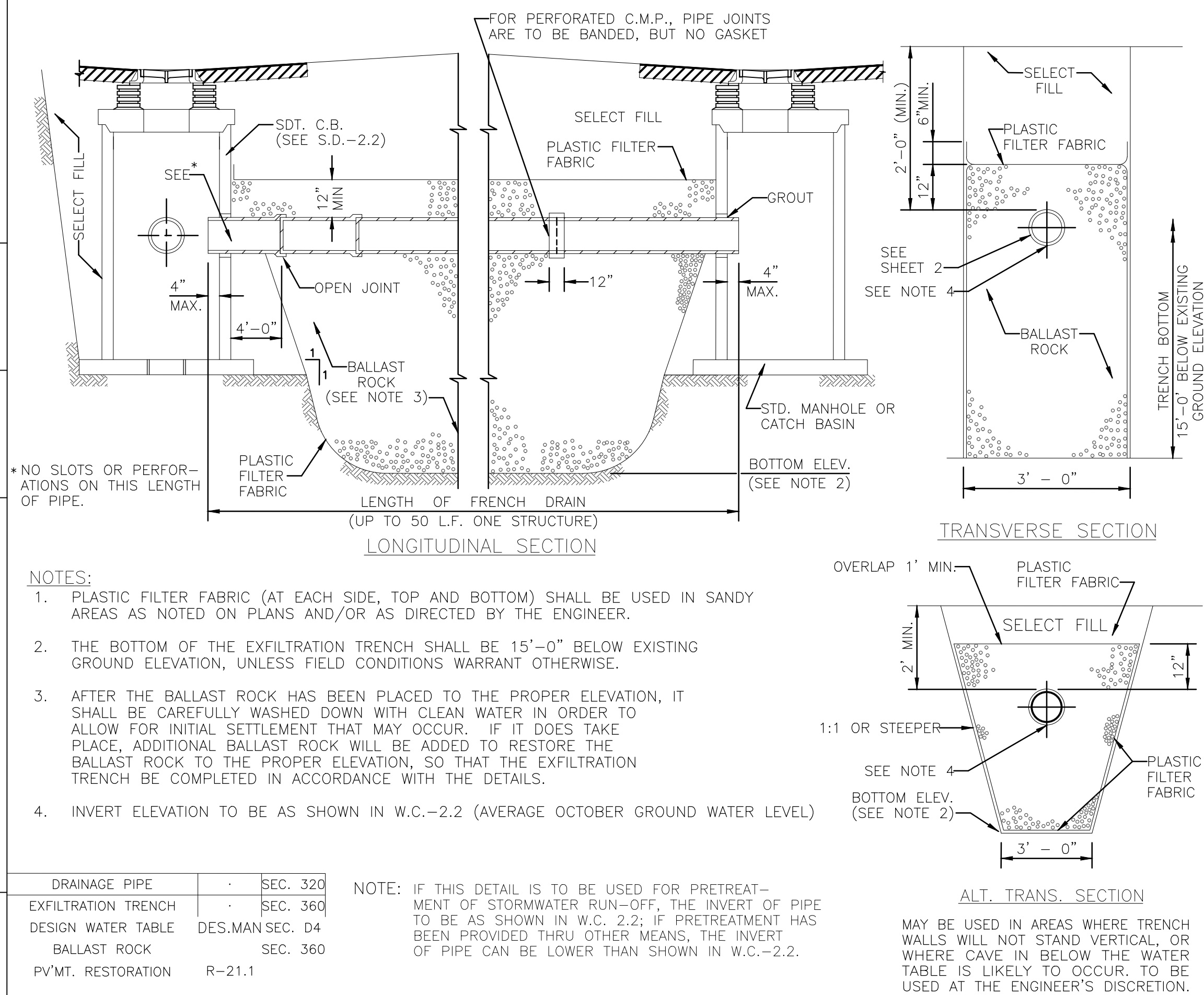


5 SAWCUT/MATCH ASPHALT PAVEMENT DETAIL



NOTE:  
PAVEMENT SECTION ASSUMES THE COMPLETE  
REMOVAL OF ALL ORGANIC MATERIAL

## 6 ASPHALTIC CONCRETE PAVEMENT DETAIL

[illegible][illegible]

|              |                     |
|--------------|---------------------|
| PROJECT No.: | F190101             |
| DRAWN BY:    | JFV                 |
| CHECKED BY:  | KND                 |
| DATE:        | 11-15-19            |
| CAD I.D.:    | F190101 PGD DETAILS |

PROJECT:

**MIAMI LAKES AUTO  
MALL GARAGE**

\_\_\_\_\_ FOR \_\_\_\_\_

**ALI AHMED**



**KRISTIN N. DIPIERRO**  

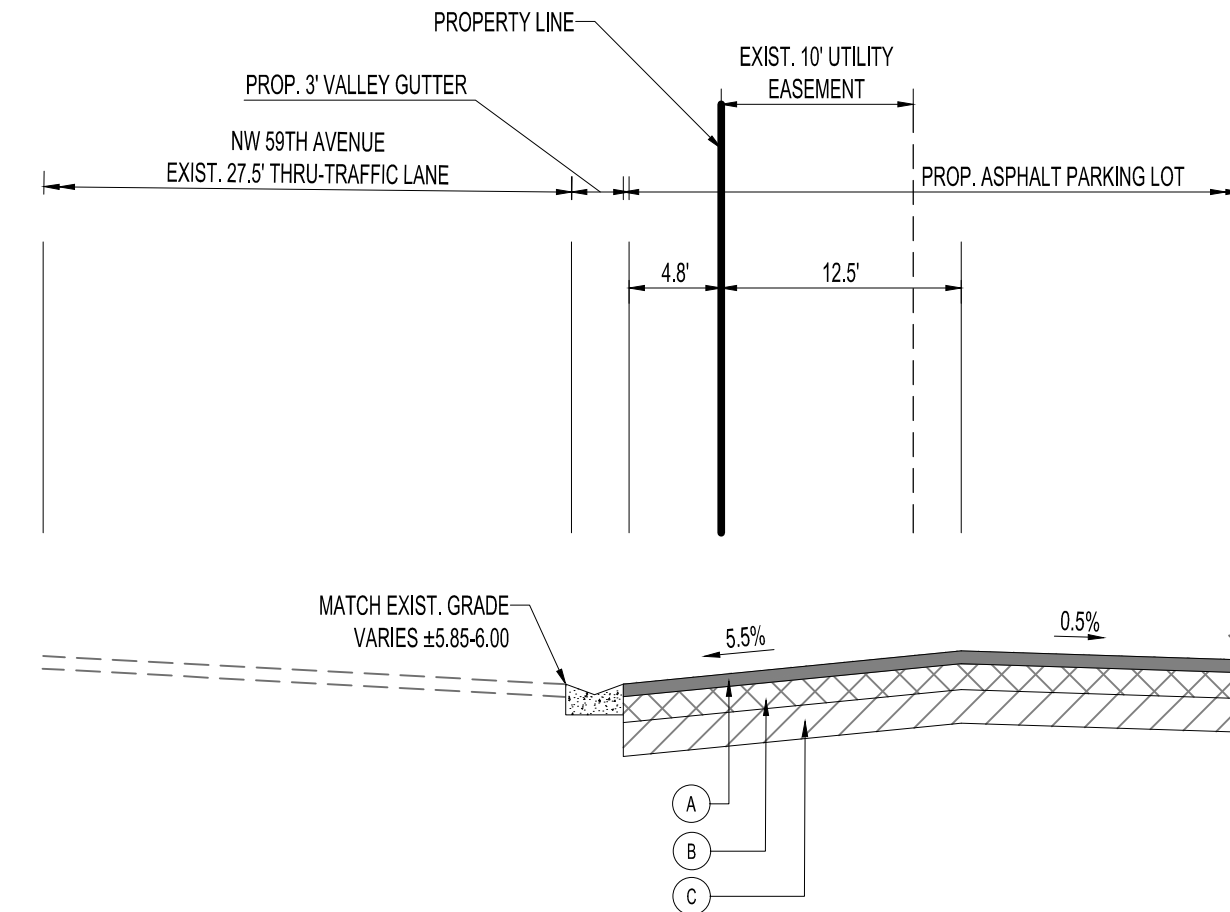

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**PROFESSIONAL ENGINEER**  
 June 18, 2020  
 FLORIDA LICENSE No. 84350  
 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

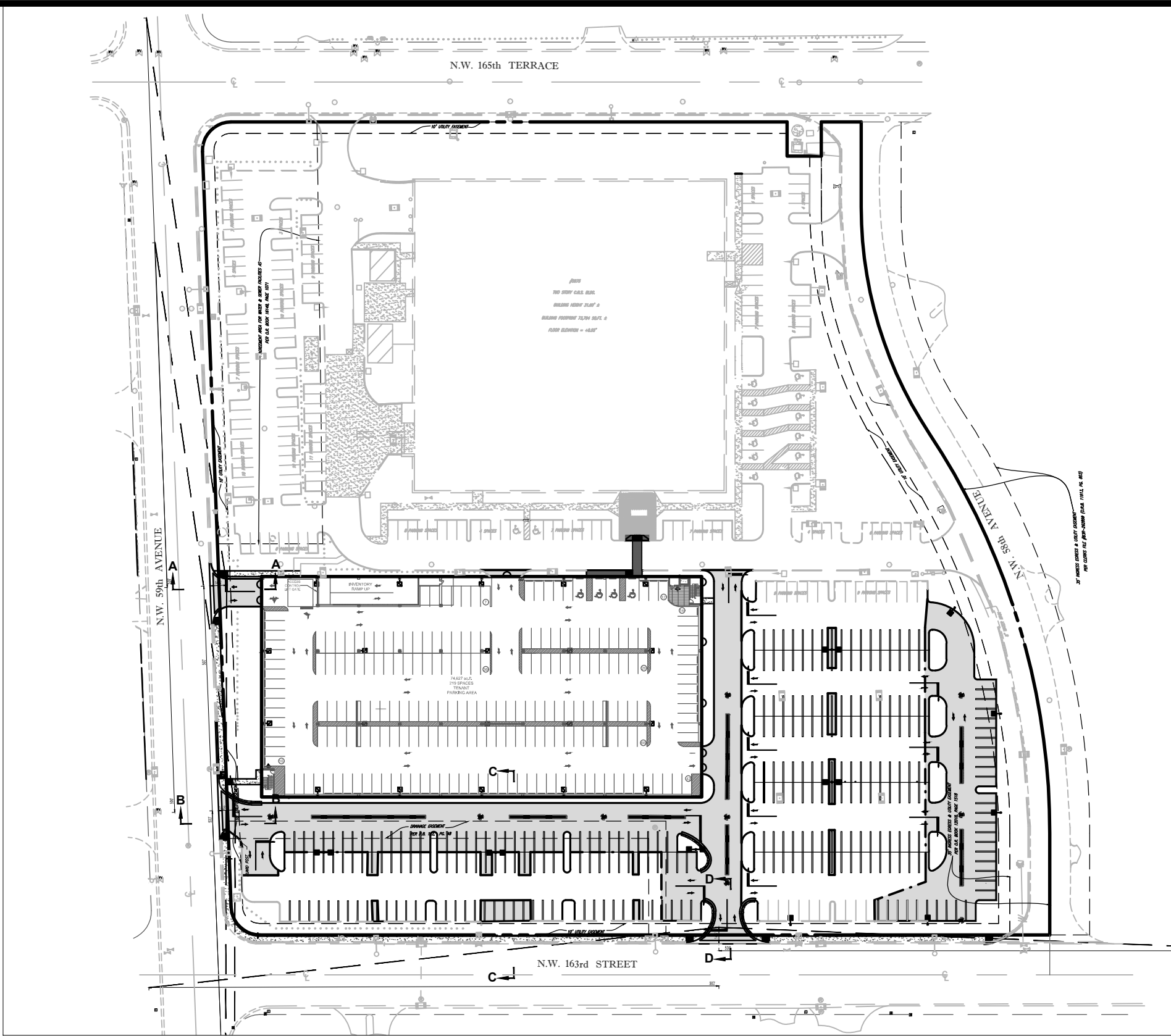
SHEET TITLE:

**PAVING, GRADING &  
DRAINAGE DETAILS**

SHEET NUMBER:  
**C-07**

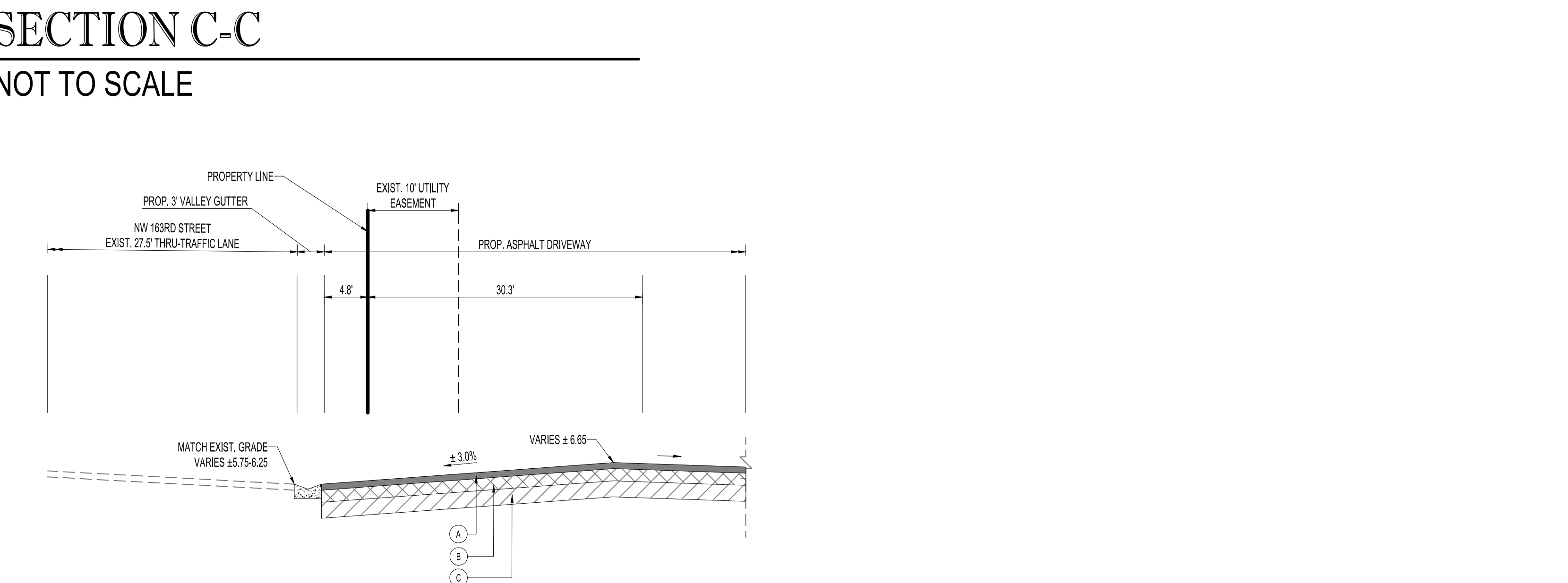


SECTION B-B  
NOT TO SCALE



KEY MAP

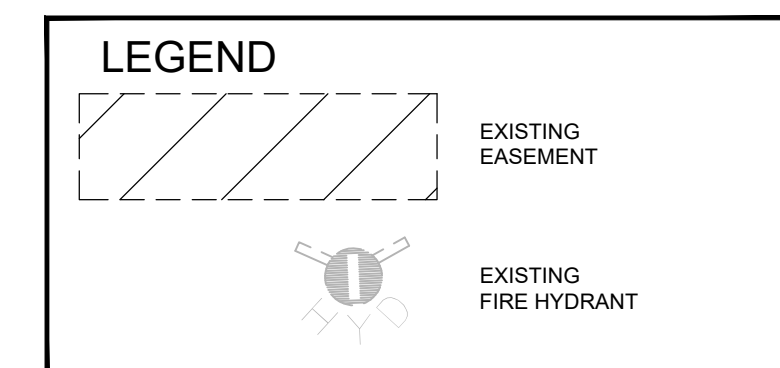
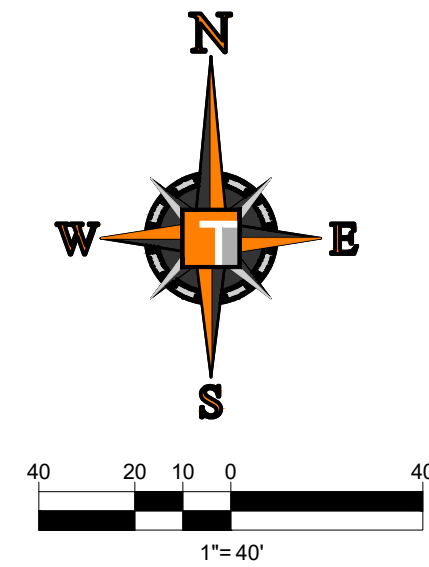
NOT TO SCALE

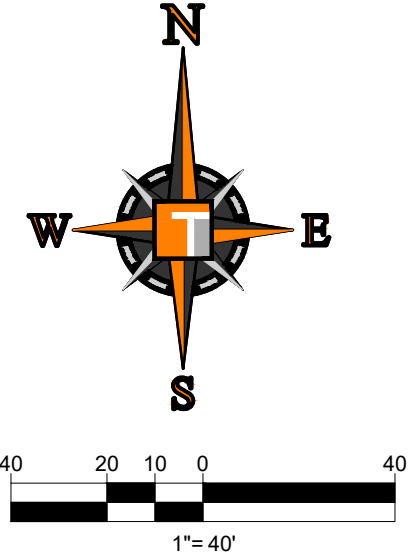


SECTION D-D  
NOT TO SCALE

- # PAVEMENT LEGEND
- A** WEARING SURFACE:  
INSTALLATION OF 1-1/2" TYPE SP-9.5 ASPHALTIC CONCRETE SURFACE COURSE TO BE INSTALLED IN TWO (2) 3/4" LIFTS WITH TACK COAT BETWEEN LIFTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR TYPE SP-9.5 ASPHALTIC CONCRETE.
- B** LIME ROCK BASE:  
LIME ROCK BASE COURSE MATERIAL SHALL BE A MINIMUM 8" THICK AND COMPACTED TO AT LEAST 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100).
- C** SUB-BASE:  
INSTALLATION OF 12" STABILIZED SUB-BASE COMPACTED TO AT LEAST 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (MIN LBR 40).
- D** CONCRETE SIDEWALK:  
INSTALLATION OF 4" THICK CONCRETE SURFACE (EXCEPT IN DRIVEWAYS WHERE IT SHALL BE 6" THICK) WITH MINIMUM STRENGTH OF 3,000 PSI AT 28 DAYS.

[illegible]





**NOTES:**

1. ALL TRAFFIC SIGNAGE AND PAVEMENT MARKINGS TO BE PROVIDED ON THE SITE PLAN IN CONFORMANCE WITH MUTCD STANDARDS.

| LEGEND |                       |
|--------|-----------------------|
| R5-1   | DO NOT ENTER SIGN     |
| R1-1   | STOP SIGN (30" x 30") |
| DY     | DOUBLE YELLOW         |
| W      | WHITE                 |
| *      | THERMOPLASTIC         |
| DW     | DOUBLE WHITE          |

[illegible][illegible]

|              |             |
|--------------|-------------|
| PROJECT No.: | F190101     |
| DRAWN BY:    | JFV         |
| CHECKED BY:  | KND         |
| DATE:        | 11-15-19    |
| CAD I.D.:    | F190101 PMS |

**MIAMI LAKES AUTO  
MALL GARAGE**

FOR

**ALI AHMED**



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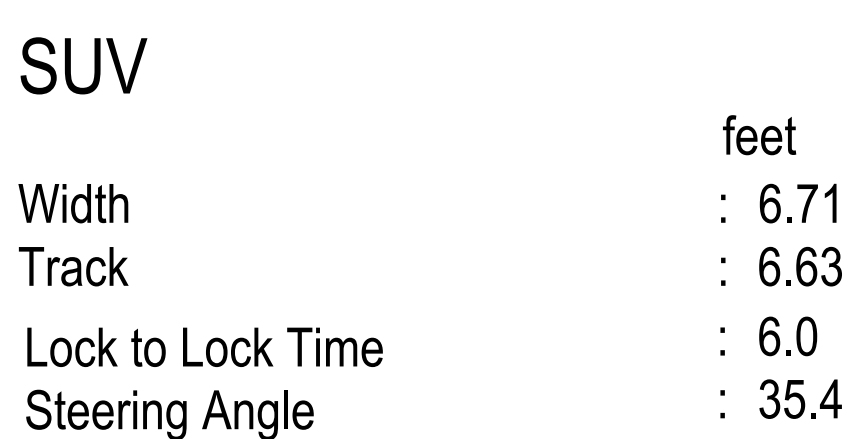
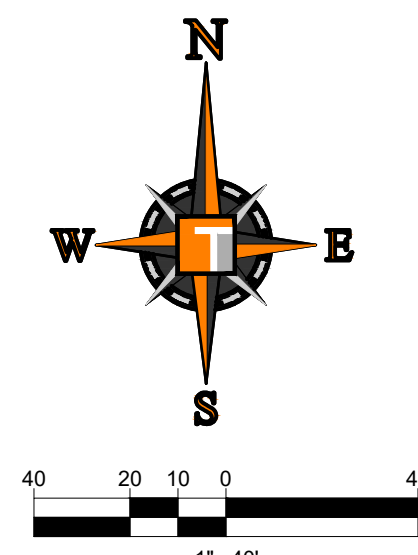
KRISTIN N. DIPIERRO

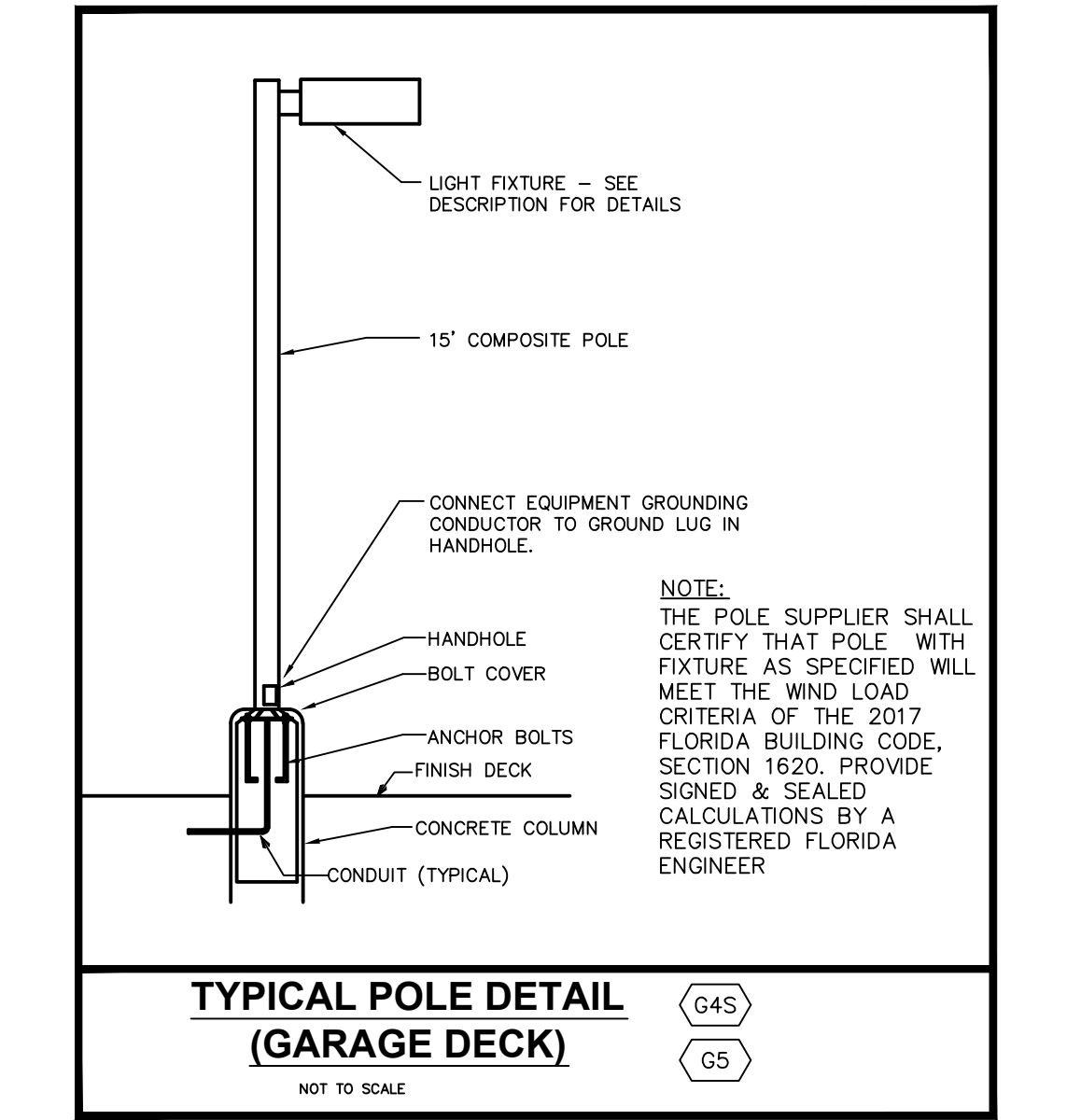
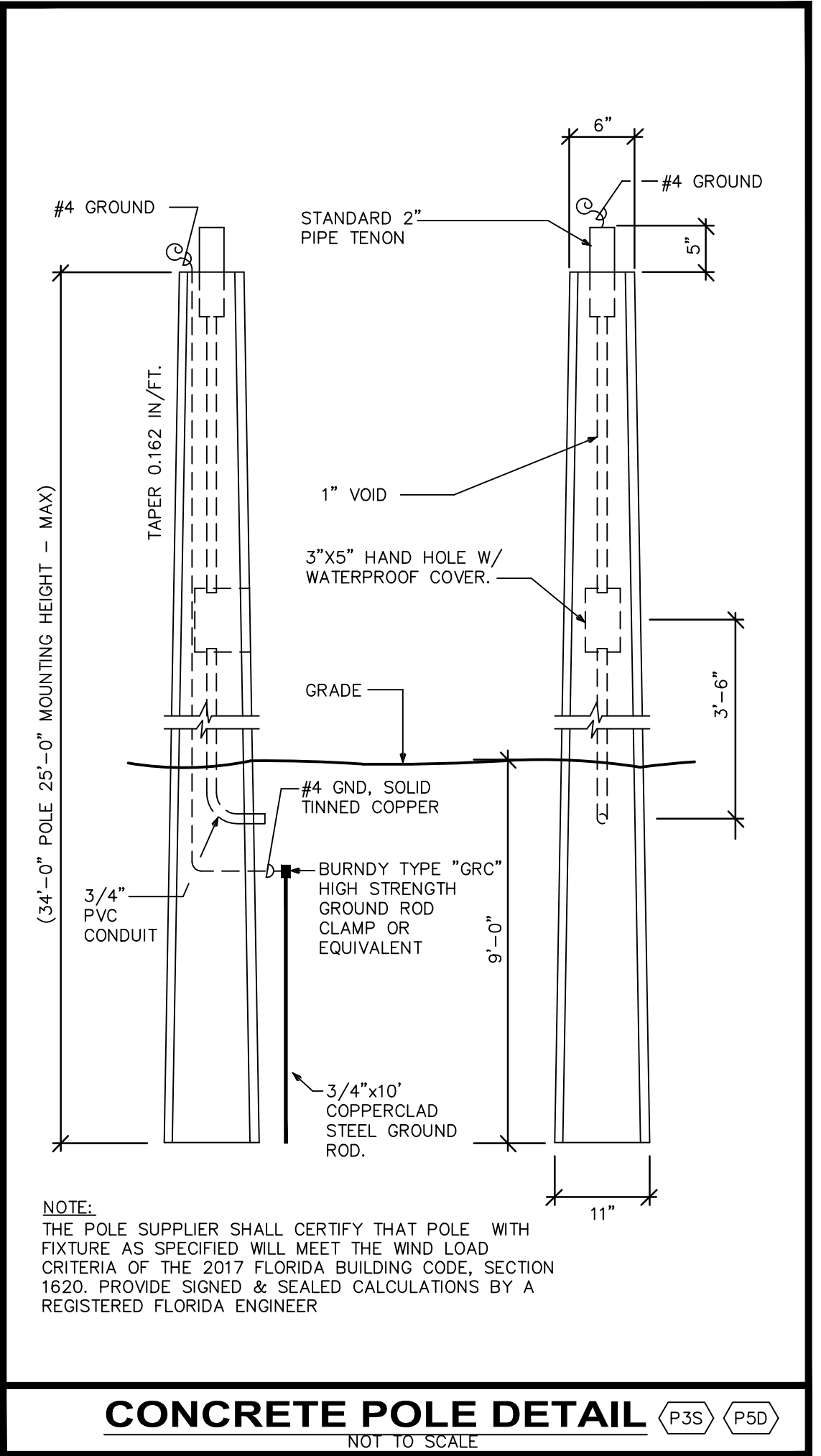
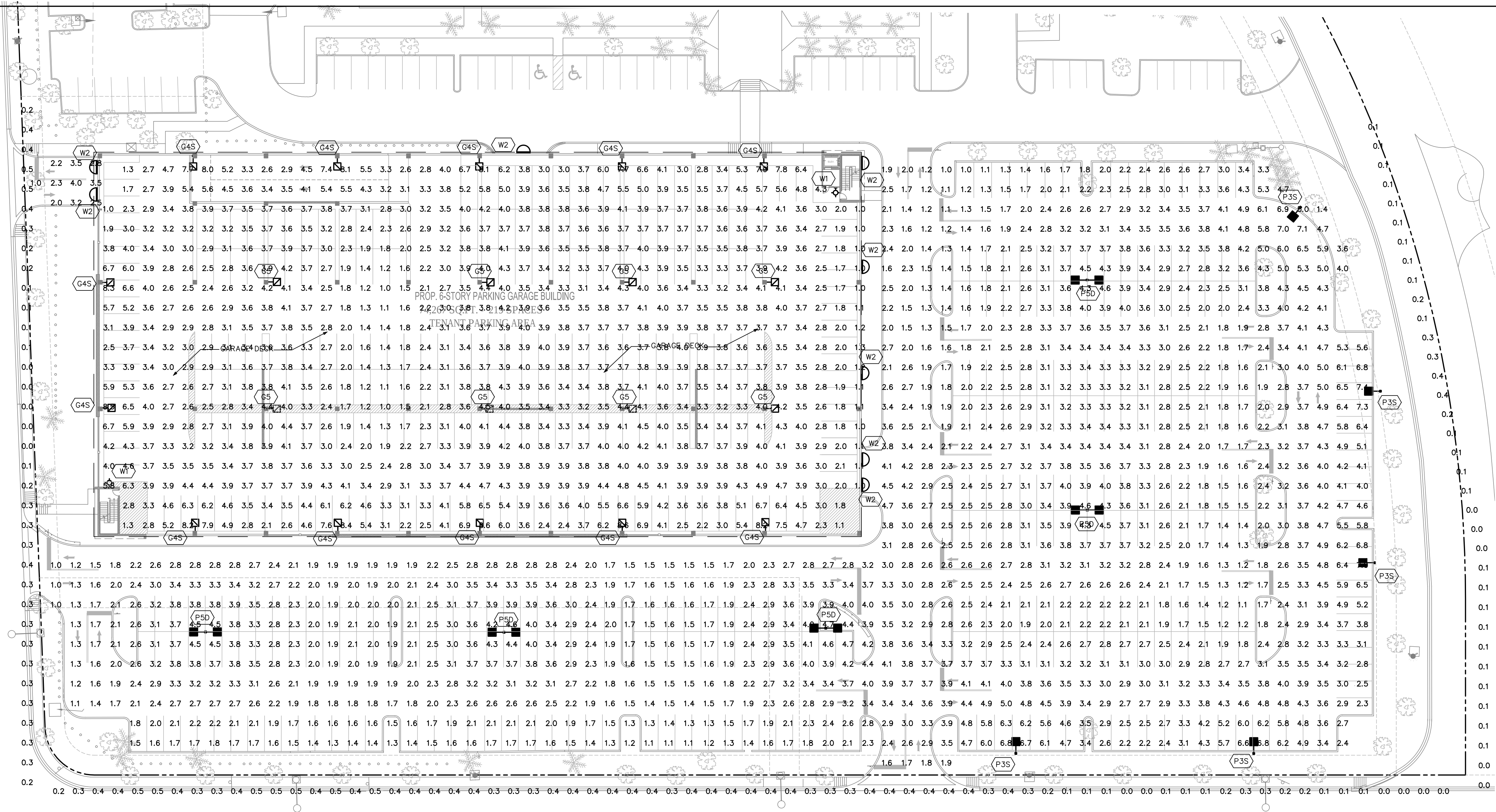
PROFESSIONAL ENGINEER  
June 18, 2020  
FLORIDA LICENSE No. 84350  
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

**PAVEMENT MARKING &  
SIGNAGE PLAN**

SHEET NUMBER:  
**C-09**





| Calculation Summary     |             |       |      |     |     |         |         |
|-------------------------|-------------|-------|------|-----|-----|---------|---------|
| Label                   | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |
| Garage_Top_1            | Illuminance | Fc    | 3.60 | 8.6 | 1.0 | 3.60    | 8.60    |
| New_Parking_Planar      | Illuminance | Fc    | 2.84 | 7.4 | 1.0 | 2.84    | 7.40    |
| NW 59th Entrance_Planar | Illuminance | Fc    | 2.70 | 4.0 | 1.0 | 2.70    | 4.00    |
| PROPERTY EAST           | Illuminance | Fc    | 0.12 | 0.4 | 0.0 | N.A.    | N.A.    |
| PROPERTY SOUTH          | Illuminance | Fc    | 0.31 | 0.5 | 0.0 | N.A.    | N.A.    |
| PROPERTY WEST           | Illuminance | Fc    | 0.24 | 0.5 | 0.0 | N.A.    | N.A.    |

| Luminaire Schedule |       |                   |                           |     |             |                   |       |            |
|--------------------|-------|-------------------|---------------------------|-----|-------------|-------------------|-------|------------|
| Symbol             | Label | [MANUFAC]         | Description               | Qty | Arrangement | Total Lamp Lumens | LLF   | Lum. Watts |
|                    | G4S   | Gardco by Signify | ECF-S-48L-900-NW-G2-4-HIS | 12  | SINGLE      | N.A.              | 0.840 | 135.1      |
|                    | G5    | SIGNIFY GARDCO    | ECF-S-48L-900-NW-G2-5W    | 8   | SINGLE      | N.A.              | 1.000 | 135.1      |
|                    | P3S   | SIGNIFY GARDCO    | ECF-L-96L-1A-NW-G2-3-HIS  | 5   | SINGLE      | N.A.              | 0.840 | 316.4266   |
|                    | PSD   | SIGNIFY GARDCO    | ECF-L-80L-900-NW-G2-5W    | 5   | D180        | N.A.              | 0.900 | 224.8768   |
|                    | W1    | SIGNIFY GARDCO    | PWS-140L-450-NW-G2-4-UNV  | 2   | SINGLE      | N.A.              | 0.840 | 22.3       |
|                    | W2    | SIGNIFY GARDCO    | PWS-140L-1150-NW-G2-3-UNV | 8   | SINGLE      | N.A.              | 0.840 | 52.2       |



SITE PHOTOMETRIC PLAN

ISSUED FOR PERMIT12-9-19

ISSUED FOR CONSTRUCTION

KAMM CONSULTING PROJECT #2019-0787  
PROJECT MANAGER: ART KAMM

1407 West Newport Center Drive  
Deerfield Beach, Florida 33442  
Phone 954.949.2200 Fax 954.949.2201  
engineering@kammconsulting.com  
Certification of Authorization #8189

3-18-2020  
date  
checked by  
signature

| REVISIONS: |                           |
|------------|---------------------------|
| 1          | SITEPLAN REVISED 3-3-2020 |
|            |                           |
|            |                           |
|            |                           |
|            |                           |
|            |                           |

CONSULTANT

**STILES ARCHITECTURAL GROUP**  
301 East Las Olas Blvd  
Fort Lauderdale, Florida.  
954 - 627- 9180 33301  
FL REG #AA-26001798

MIAMI LAKES  
AUTO MALL GARAGE  
5875 NW 103rd STREET  
MIAMI LAKES, FLORIDA, 33014

SITE  
PHOTOMETRIC PLAN

E1.1

PROJECT NO.  
74064  
DRAWN BY:  
K.W  
CHECKED BY:  
A.E  
DATE:  
11/08/2019