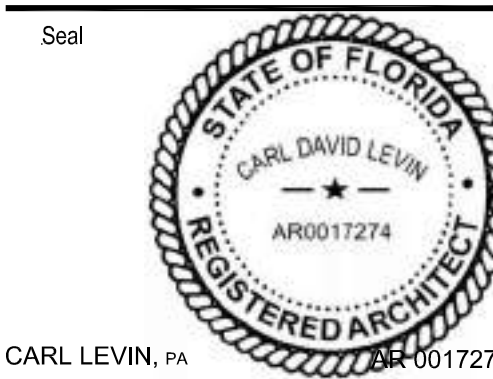


**ATTACHMENT A**  
**Application Package Part II**





CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019



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Revision


Project Number 24-004

Date 10/08/24

Sheet Title  
**EXTERIOR  
RENDERING**

Drawn by: JLL

Checked by: CDL

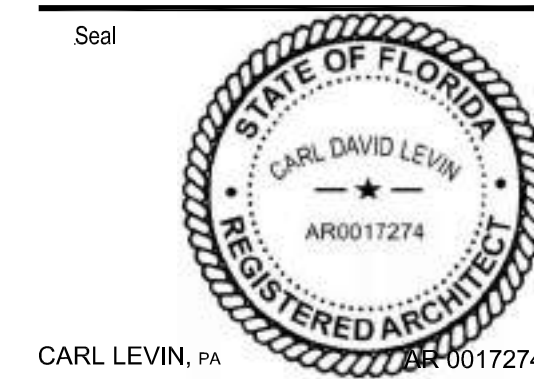
Sheet Number

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CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
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HOLLYWOOD, FL 33019



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Revision	

Project Number	24-004
Date	10/08/24
Sheet Title	EXTERIOR RENDERING
Drawn by:	JLL
Checked by:	CDL
Sheet Number	

A 0.11





1 Exterior Rendering, SOUTH

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019



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Date 10/08/24

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RENDERING**

Drawn by: JLL

Checked by: CDL


Sheet Number



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**2·id**  
INTERIORS

CONSTRUCTION DRAWINGS FOR A:  
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Seal  
  
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Revision  
11/19/24 HISTORIC BOARD COMMENTS

Project Number  
24-004

Date  
10/08/24

Sheet Title  
**EXTERIOR  
RENDERING**

Drawn by: JLL  
Checked by: CDL

Sheet Number

**A 0.13**





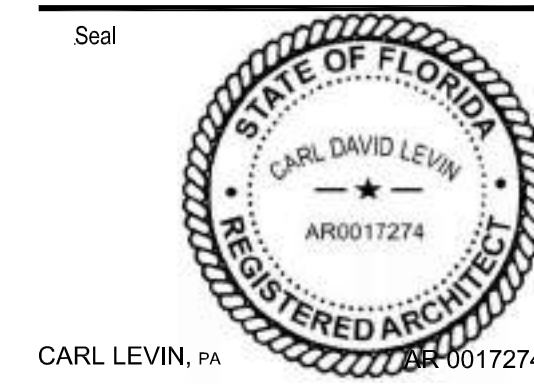






1 Exterior Rendering, EAST

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019



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Revision

Project Number 24-004  
Date 10/08/24  
Sheet Title EXTERIOR RENDERING  
Drawn by: JLL  
Checked by: CDL  
Sheet Number

A 0.15



**CONSULTANT:**  
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11/18/24	CITY COMMENTS
12/10/24	CITY COMMENTS

Project Number 24-004

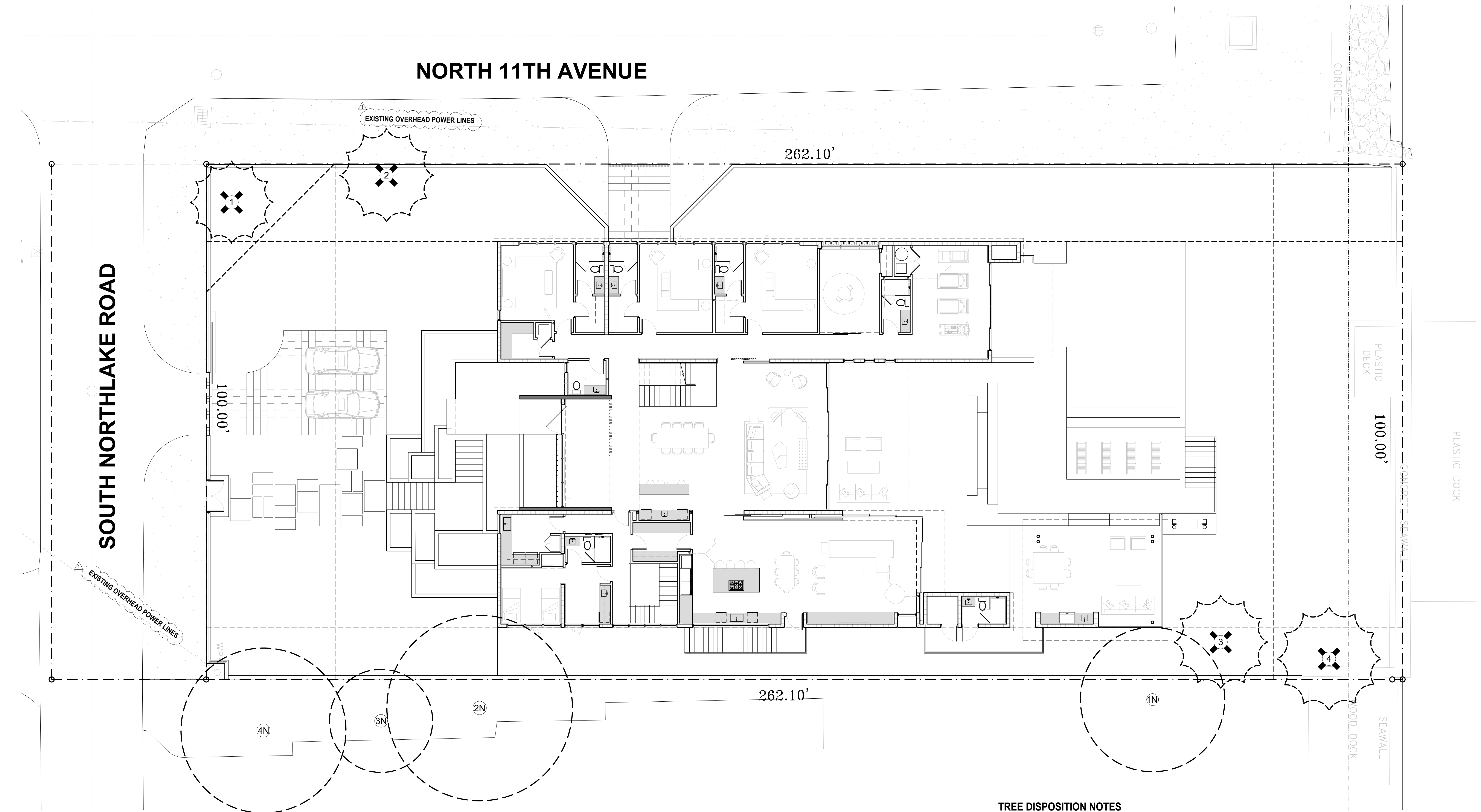
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et Title

## TREE DISPOSITION PLAN

own by:	JJL
checked by:	CDL
et Number	

..01

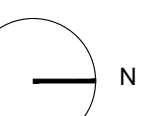
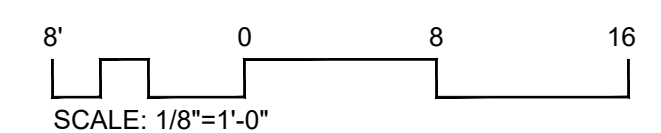


#	BOTANICAL NAME	COMMON NAME	DBH	HT	SP	DISPOSITION
1	<i>Roystonea elata</i>	Royal Palm	14 "	39 '	16 '	Remove
2	<i>Roystonea elata</i>	Royal Palm	18 "	43 '	18 '	Remove
3	<i>Roystonea elata</i>	Royal Palm	16 "	41 '	18 '	Remove
4	<i>Phoenix reclinata</i>	Senegal Date Palm	Cluster	17 '	20 '	Remove

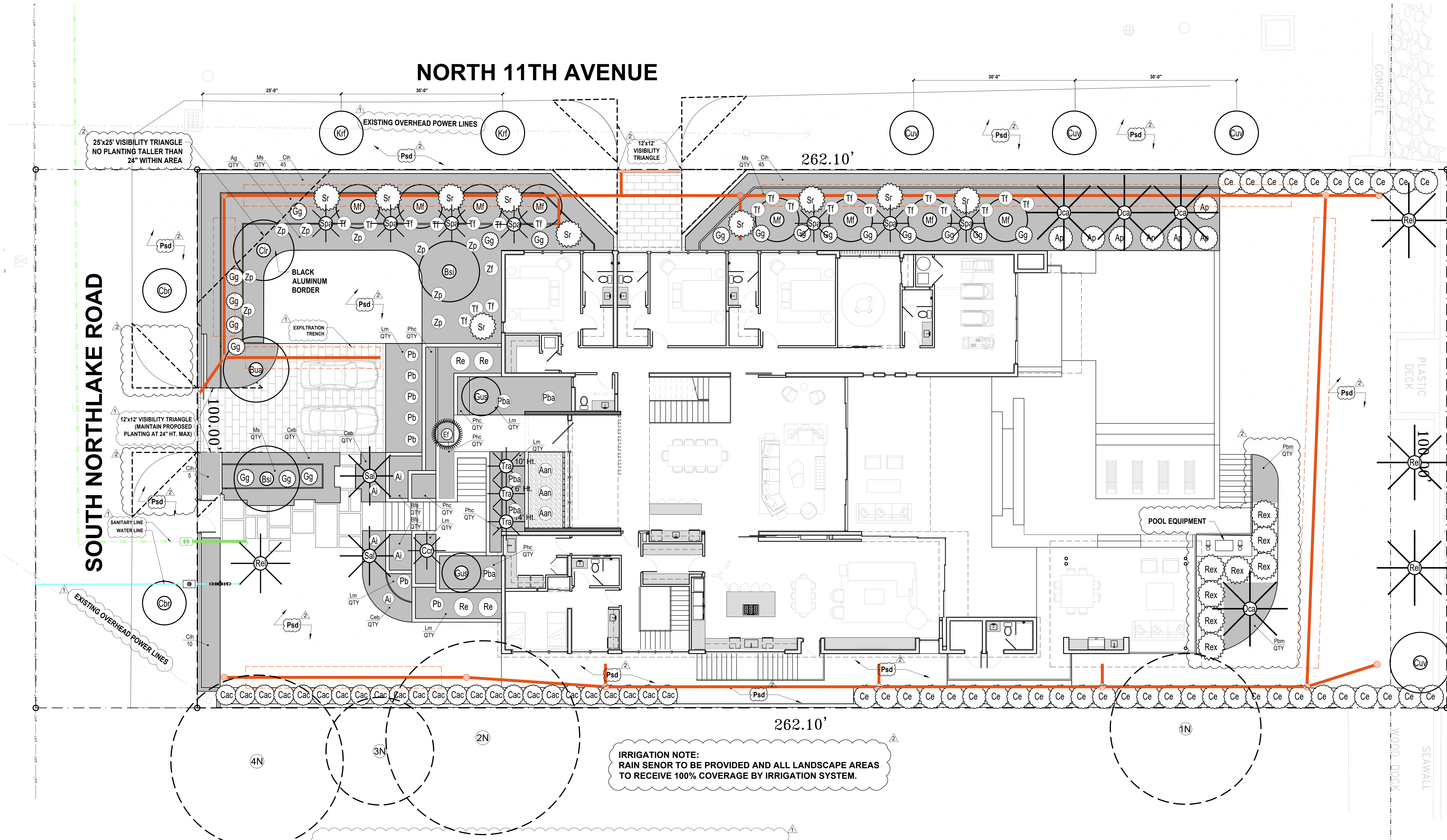
1N	<i>Mangifera indica</i> sp.	Mango Tree	24 "	39 '	28 '	Remain
2N	<i>Pseudobombax ellipticum</i>	Shaving Brush Tree	41 "	27 '	36 '	Remain
3N	<i>Mangifera indica</i> sp.	Mango Tree	18 "	29 '	20 '	Remain
4N	<i>Peltophorum pterocarpum</i>	Copper Pod	26 "	31 '	34 '	Remain

1. EXISTING TREES DESIGNATED TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY TREES OR SHRUBS DESIGNATED TO REMAIN, WHICH ARE SCARRED OR DESTROYED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
2. REFER TO AND COORDINATE WITH TREE DISPOSITION LIST.
3. CONTRACTOR SHALL OBTAIN ALL REQUIRED TREE REMOVAL / RELOCATION PERMITS PRIOR TO THE COMMENCEMENT OF WORK.
4. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING TREES PRIOR TO COMMENCEMENT OF WORK.
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SECURE ALL PORTIONS OF THE SITE DURING TREE REMOVAL / RELOCATION PROCESS.

TREES TO BE REMOVED		
#	BOTANICAL NAME	COMMON NAME
1	<i>Roystonea elata</i>	Royal Palm
2	<i>Roystonea elata</i>	Royal Palm
3	<i>Roystonea elata</i>	Royal Palm
4	<i>Phoenix reclinata</i>	Senegal Date Palm
NUMBER OF PALMS TO BE REMOVED		4
MITIGATION CALCULATION		
Total Number of Replacement Trees Provided		
Number of palms with 8' CT		4



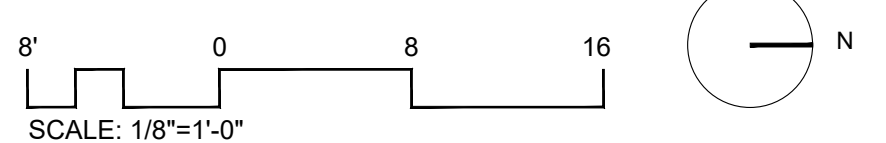
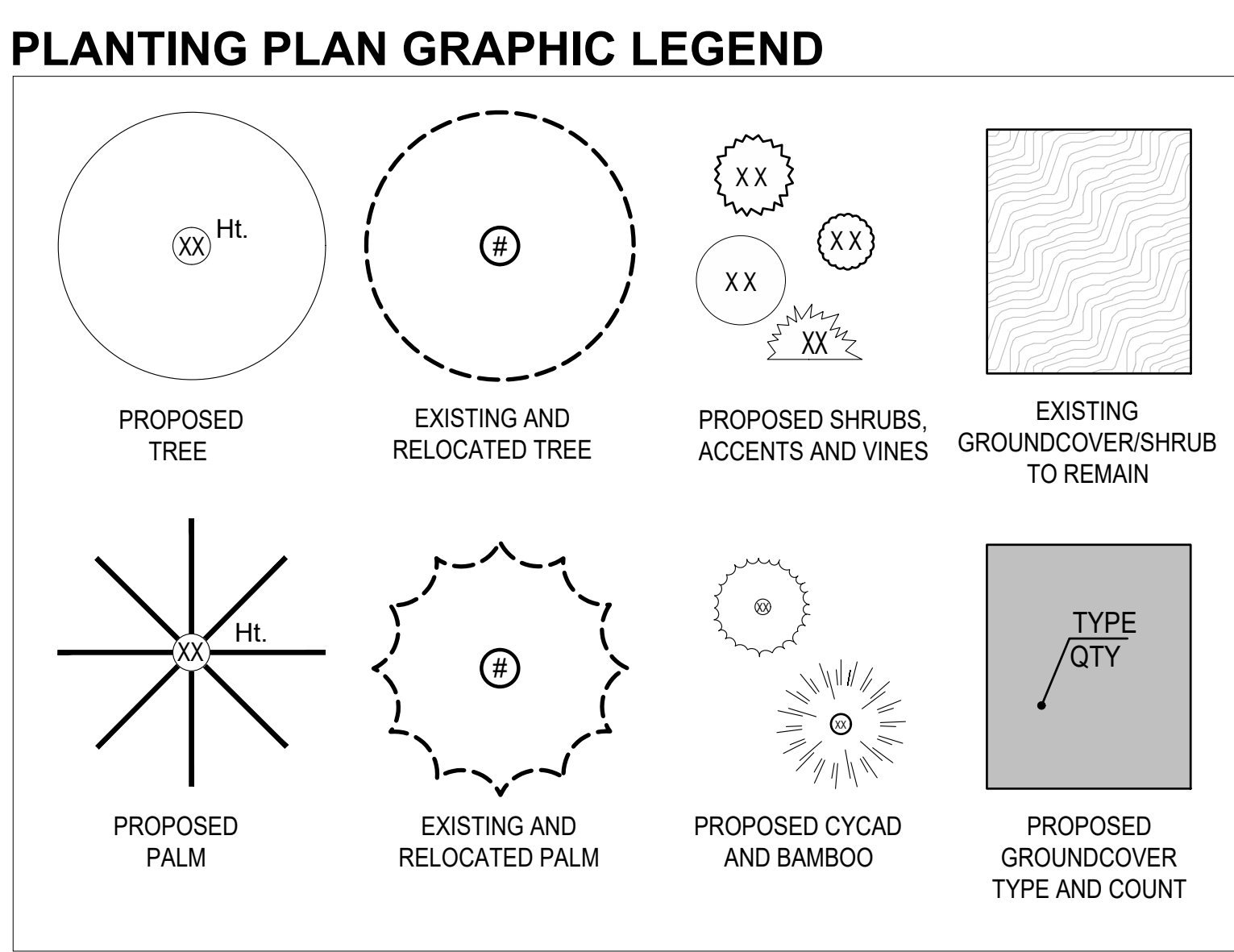




IRRIGATION NOTE:  
RAIN SENSOR TO BE PROVIDED AND ALL LANDSCAPE AREAS  
TO RECEIVE 100% COVERAGE BY IRRIGATION SYSTEM.

PLANT LIST				
ABBR.	QTY.	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
TREES				
Bsi	2	Bursera simaruba	Gumbo Limbo	4" DBH 16' Ht.
Cbr	1	Clusia rosea	Autograph Tree	4" DBH 16' Ht.
Cuv	1	Coccoloba uvifera	Seagrape Tree	4" DBH 16' Ht.
Gus	2	Guaiacum sanctum	Lignum Vitae	65 Gal. Sculptural, Full
Mf	8	Myrcianthes fragrans	Simpson Stopper	64 Gal. Multi, Sculptural, Full
STREET TREES				
Cbr	2	Calophyllum brasiliense	Brazilian Beautyleaf	3" DBH 15' Ht.
Cuv	3	Coccoloba uvifera	Seagrape Tree	3" DBH 15' Ht.
Krf	2	Krugiodendron ferreum	Black Ironwood	3" DBH 15' Ht.
STREET TREES WITHIN PROPERTY				
Bua	1	Bulnesia arborea	Verawood	4" DBH 16' Ht.
PALMS				
Ccr	1	Coccothrinax crinita	Old Man Palm	25 Gal.
Dca	4	Dypsis cabadae (cluster)	Cabadæ Palm	100 Gal. 12-14' Ht. OA Full
Rel	4	Roystonea elata	Royal Palm	8' CT
Rex	5	Rhapis excelsa	Lady Palm	5'-6' Ht.
Sal	2	Satakenia liliuensis	Satake Palm	8' CT
Spa	7	Sabal palmetto	Sabal Palm	8' CT 16' Ht. OA
Tra	3	Thrinax radiata	Florida Thatch Palm	10'-14' Ht. OA
SHRUBS				
Ap	7	Alpinia purpurata	Red Ginger	15 Gal. 5' Ht.
Cac	25	Capparis cynophallophora	Jamaican Caper	15 Gal. 5' Ht. Full to Base
Ce	38	Conocarpus Erectus	Green Buttonwood	15 Gal. 5' Ht. Full to Base
Cih	105	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum	7 Gal. 24" Ht.
Gg	18	Galphimia glauca	Thyallis, Rain-of-Gold	7 Gal. 3' Ht.
Sr	10	Serenoa repens 'Silver Form'	Silver Saw Palmetto	35 Gal. 5' Ht.
SOD				
Psd	5610 sq ft	Palmetto Sod	St. Augustine grass	Pallet
TREES OR PALMS THAT COUNT TOWARDS MITIGATION				

SEE SHEET L.03 FOR THE LANDSCAPE LEGEND AND FULL PLANT LIST



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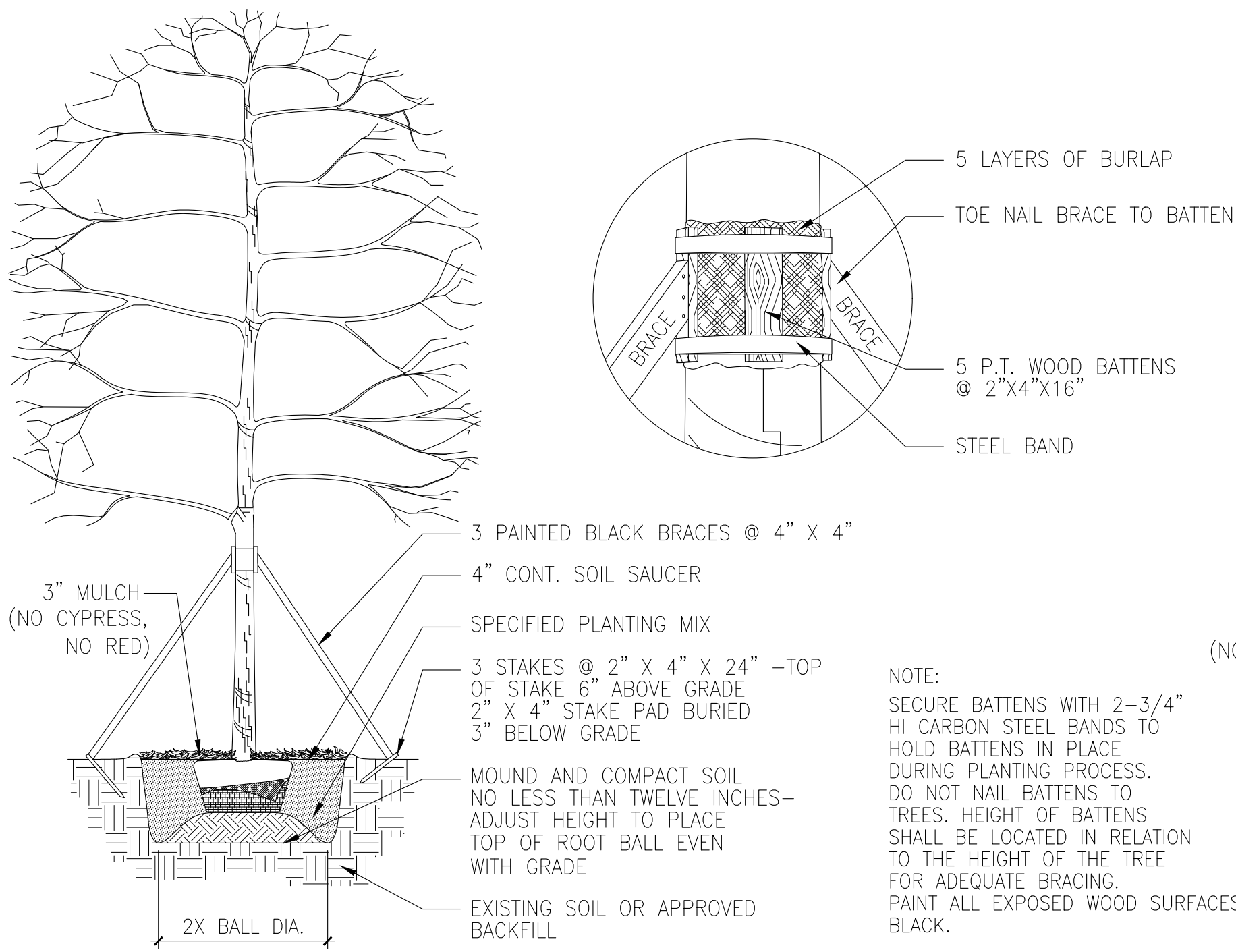
CONSULTANT:  
**strata**  
LANDSCAPE ARCHITECTURE  
1906 Tigertail Ave. Miami, FL 33133  
strata-landarch.com  
305.747.9336

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

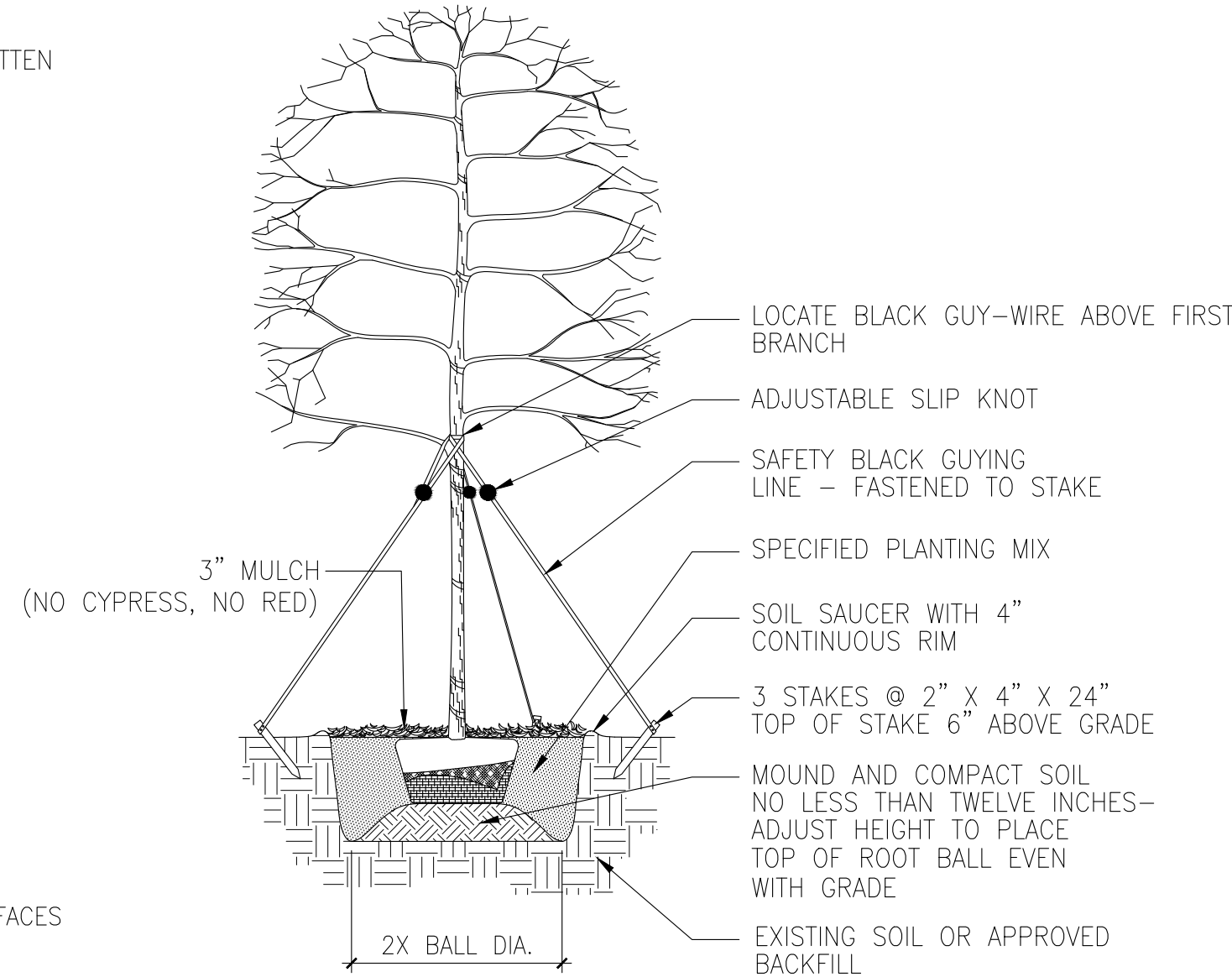
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2	12/10/24	CITY COMMENTS
Project Number		
24-004		
Date		
10/08/24		
Sheet Title		
PLANTING PLAN		
Drawn by: JLL		
Checked by: CDL		
Sheet Number		

L.02

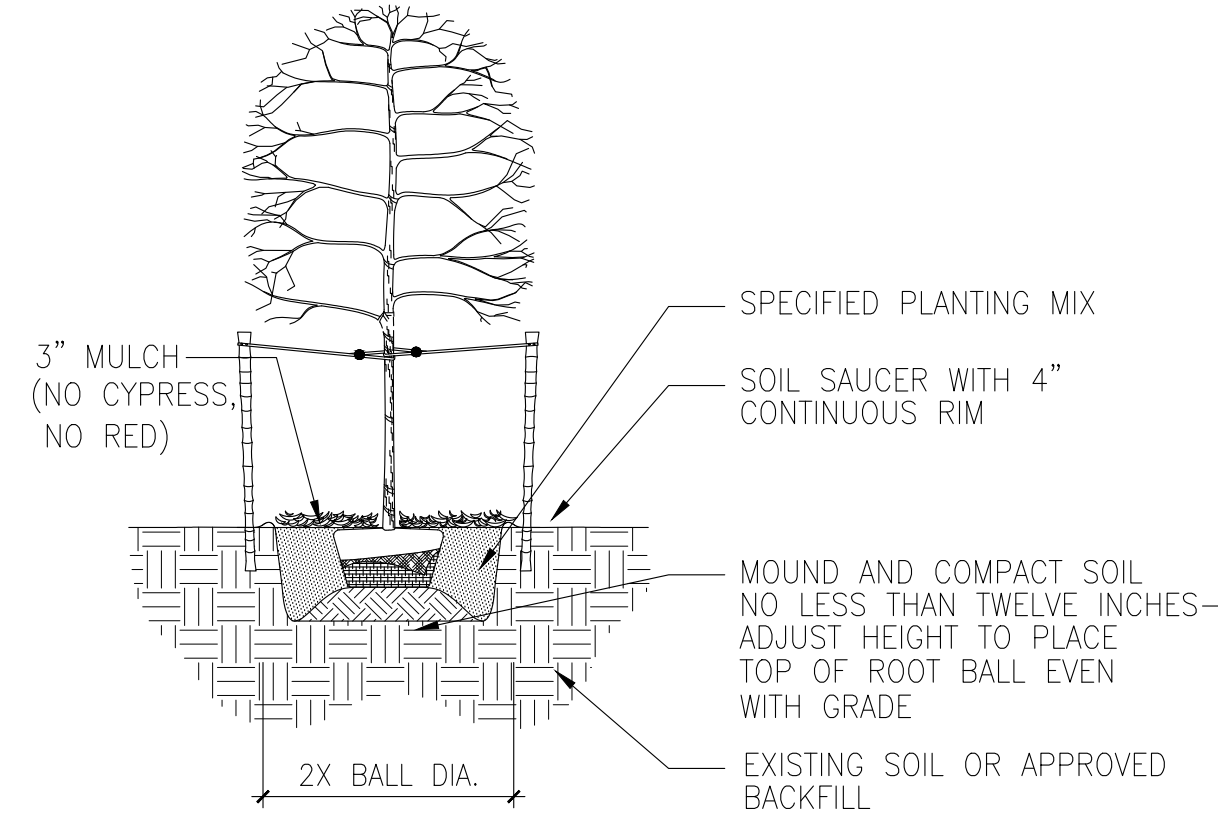




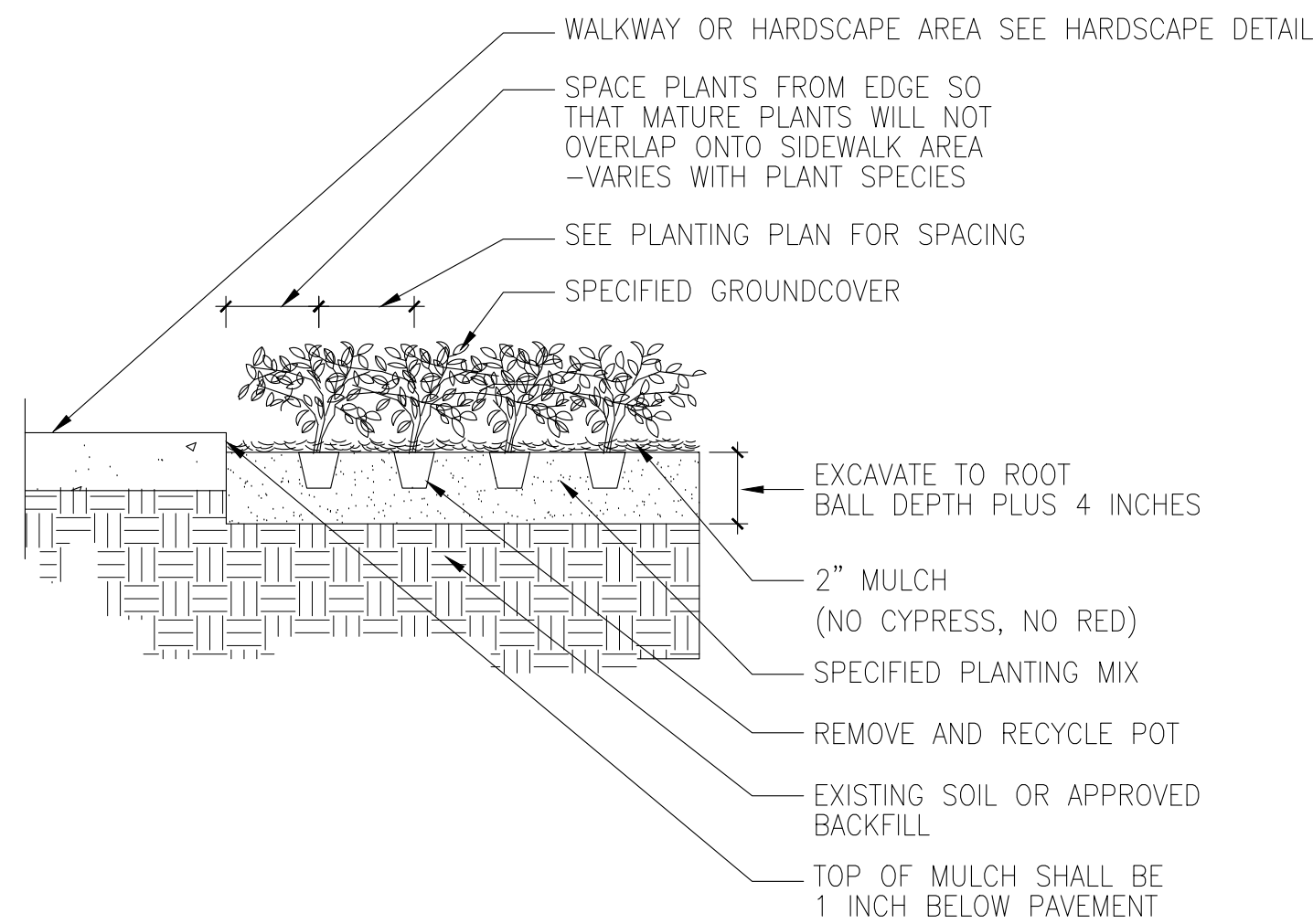
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SCALE: NTS



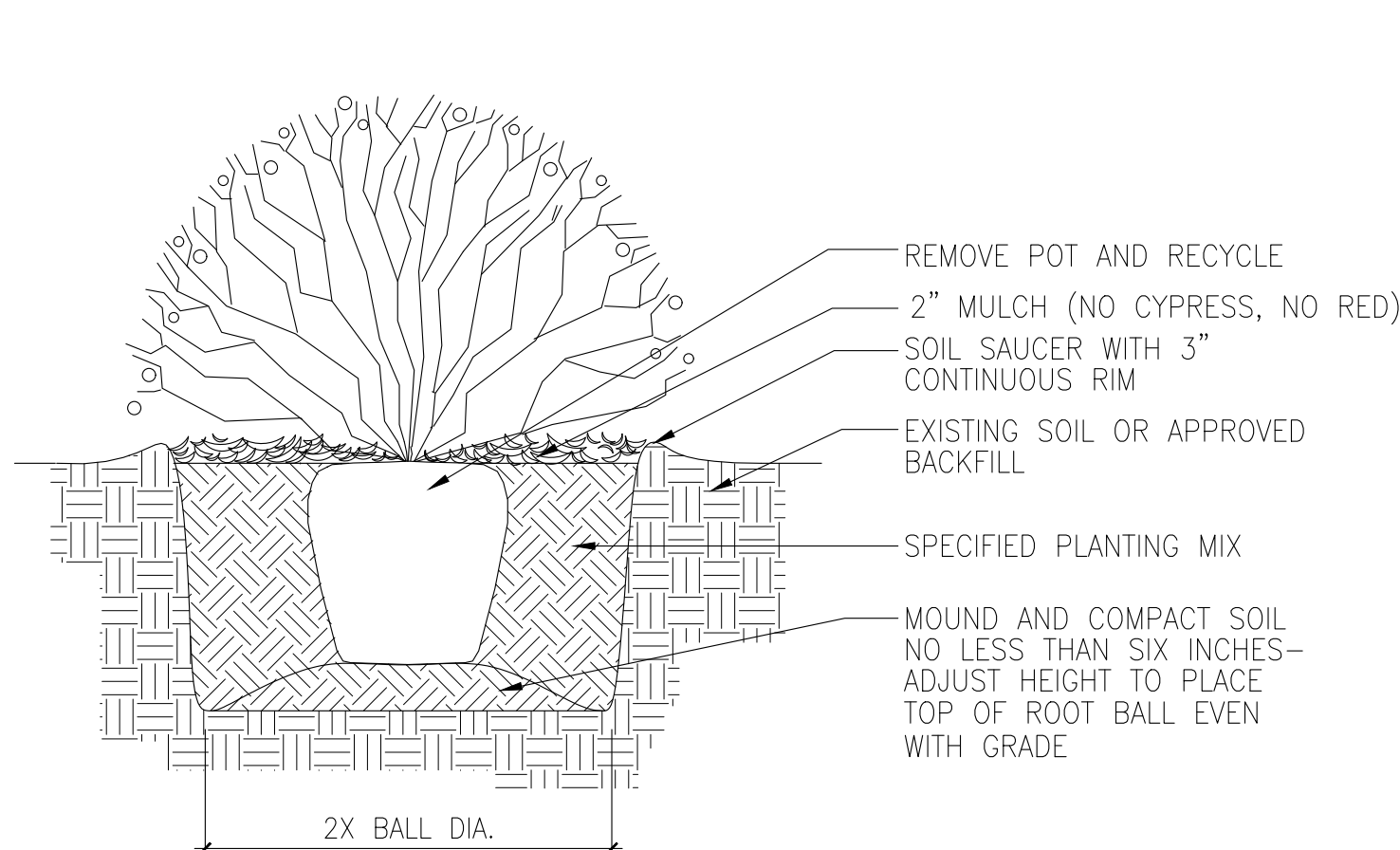
3 MEDIUM SIZE TREE PLANTING AND STAKING DETAIL  
SCALE: NTS



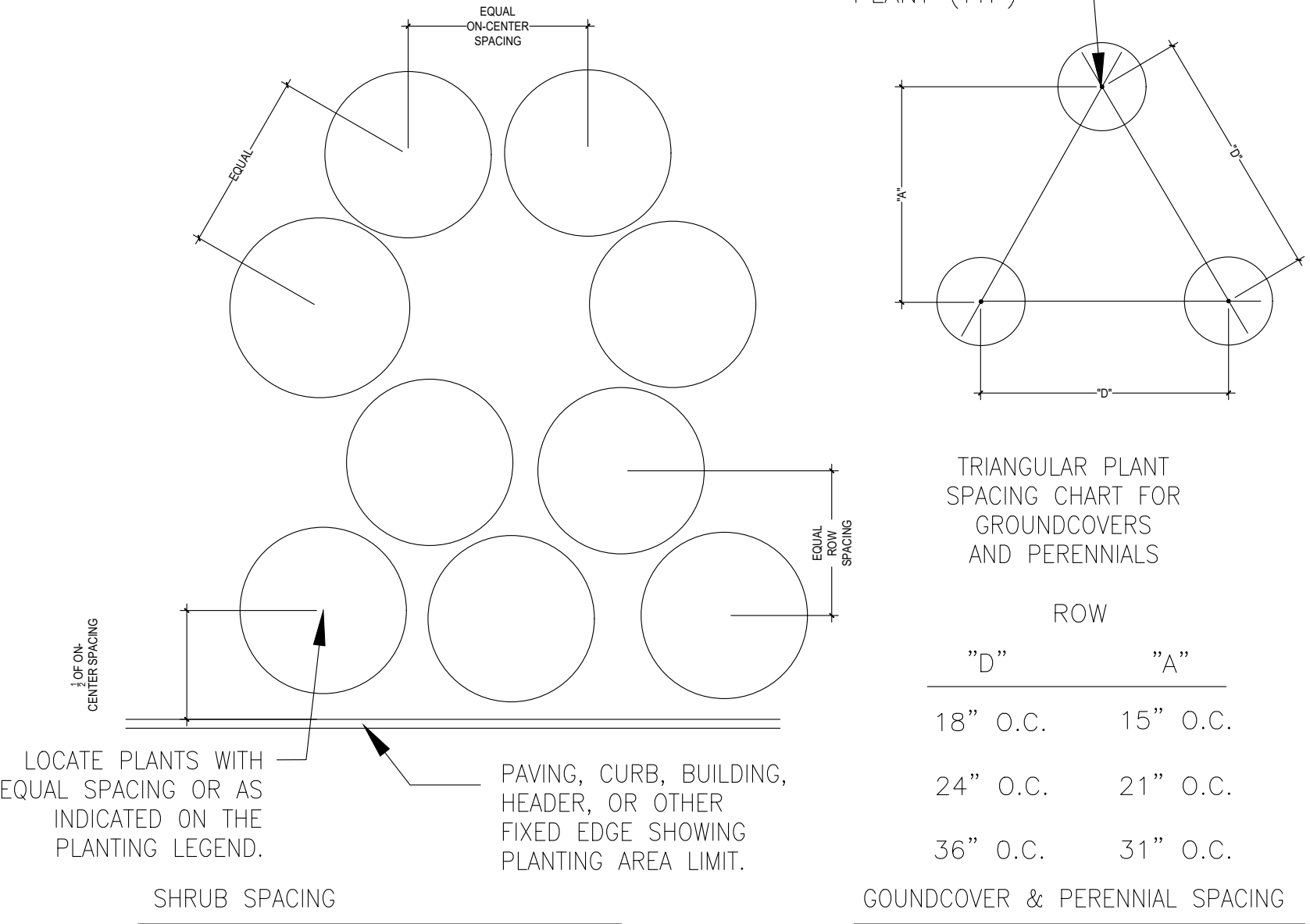
4 SMALL SIZE TREE PLANTING AND STAKING DETAIL  
SCALE: NTS



5 GROUND COVER PLANTING DETAIL  
SCALE: NTS



6 SHRUB PLANTING DETAIL  
SCALE: NTS



7 PLANT SPACING DETAIL  
SCALE: NTS

## GENERAL PLANTING NOTES

- EXISTING TREES DESIGNATED TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY TREES OR SHRUBS SCARRED OR DESTROYED DESIGNATED TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
- EXISTING TREES DESIGNATED TO BE STORED OFF-SITE, SHALL BE PROTECTED AND CARED FOR ACCORDINGLY TO INDUSTRY STANDARD. ANY TREES OR SHRUBS SCARRED OR DESTROYED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
- LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGE TO UNDERGROUND UTILITIES, AND/OR CONSTRUCTION CAUSED BY UTILITY DAMAGE, AT NO COST TO THE OWNER.
- LANDSCAPE CONTRACTOR SHALL VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE DRAWINGS PRIOR TO SUBMITTING HIS BID. PLANTING PLAN TO TAKE PRECEDENCE OVER PLANT LIST IN CASE OF DISCREPANCIES.
- EXISTING PLANT MATERIAL NOT SHOWN ON THE PLAN AND IN CONFLICT WITH NEW PLANTING SHALL BE EVALUATED AT THE TIME OF NEW PLANTING INSTALLATION BY THE LANDSCAPE ARCHITECT.
- ALL BUILDING CONSTRUCTION MATERIAL AND FOREIGN MATERIAL SHALL BE REMOVED FROM PLANTING AREAS AND REPLACED WITH 80/20 MIX FILL SOIL, OR AS PER SPECIFICATIONS. ALL ISLANDS IN PARKING LOTS AND AROUND BUILDINGS, SHALL BE EXCAVATED TO A DEPTH OF 3' MIN. AND REPLACED WITH 80/20 PLANT MIX, OR AS PER SPECIFICATIONS.
- ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLAN SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS AFTER CONSULTING THE LANDSCAPE ARCHITECT.
- ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLANT LIST ARE TO BE CONSIDERED MINIMUM. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN SHALL ALSO BE REQUIRED FOR ACCEPTANCE. ALL TREES TO HAVE SINGLE TRUNK, UNLESS OTHERWISE NOTED ON THE PLANS OR PLANT LIST.
- SITE PREPARATION SHALL INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS, GRASS, AS WELL AS CLEAN-UP OF ANY DEAD MATERIAL AND FINISH GRADING AS PER THE SPECS.
- THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.

- THE LANDSCAPE CONTRACTOR SHALL EXERCISE CAUTION TO PROTECT ANY NEW HARDSCAPE CONSTRUCTION OR IRRIGATION. ANY DAMAGE SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL STATE BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANT MATERIAL TO BE FLORIDA #1 OR BETTER, AS DEFINED BY THE FLORIDA DEPARTMENT OF AGRICULTURE'S CODES AND STANDARDS FOR NURSERY PLANTS PART I AND II.
- MULCH ALL PLANTING AREAS WITH SHREDDED ORGANIC MULCH TO A MINIMUM DEPTH OF 2". WITH THE EXCEPTION OF BEACH PLANTING.
- ALL PLANTING AREAS WITHIN LIMIT OF WORK SHALL BE 100% FULLY IRRIGATED. THE IRRIGATION CONTRACTOR AWARDED THE BID SHALL COMPLY WITH THE PROPOSED IRRIGATION DESIGN.
- ON-SITE LAYOUT OF PLANT MATERIAL MUST BE COORDINATED WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- TREE PROTECTION BARRIERS MUST BE INSTALLED AT THE DRIP LINES OF ALL TREES AND PALMS TO REMAIN OR BE RELOCATED PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ONSITE AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION HAS COMPLETED.
- MULCH SHALL NOT BE APPLIED WITHIN 6' OF ANY TREE OR PALM TRUNKS THAT ARE INSTALLED OR INCORPORATED INTO THE PROJECT. FOR ROW TREES/PALMS PLEASE UTILIZE AMERIGROW (PREMIUM PINEBARK BROWN) SHREDDED MULCH OR A CITY APPROVED ALTERNATIVE.
- SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ON SITE, DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE DIRECTED OR PERFORMED BY AN CERTIFIED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A-300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES. THE CITY URBAN FORESTER SHALL BE PROVIDED WITH A WRITTEN COPY OF THE PROPOSED PRUNING PLAN INCLUDING THE REASONS WHY PRUNING IS NECESSARY, PRIOR TO THE PRUNING ACTIVITIES TAKING PLACE.
- CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCHING WITHIN CRITICAL ROOT ZONE OF TREES AND PALMS SLATED TO REMAIN IN PLACE OR BE RELOCATED. IF CONSTRUCTION REQUIRES THE CUTTING OF ANY ROOTS WITH A DIAMETER OF 2" OR GREATER, ROOTS SHALL BE CLEANLY CUT WITH A SHARP TOOL, AS DIRECTED BY AN ISA CERTIFIED ARBORIST, AND IN ACCORDANCE WITH THE ANSI A-300 STANDARDS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL TO PREVENT DRYING. ROOTS SHOULD NOT BE TORN OR BROKEN BY HEAVY EQUIPMENT, AND SHREDDED, RAGGED OR BROKEN ROOTS ENDS SHOULD BE NOTED AND REVIEWED WITH THE LANDSCAPE ARCHITECT PRIOR TO ANY ROOT PRUNING TAKING PLACE.

## HANDLING AND TRANSPORTATION

- TREES/PALMS SHALL BE PROPERLY HANDLED DURING EXCAVATION, MOVING, STORAGE, RELOCATION, AND REPLANTING. DO NOT SCAR OR OTHERWISE DAMAGE TRUNKS AND BRANCHES. AND AVOID BREAKING LIMBS, BRANCHES, AND FRONDS. DAMAGE TO TREE/PALM MAY BE CAUSE FOR ITS REJECTION, AND MAY REQUIRE MITIGATION REPLACEMENT BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MANUAL WATERING OF ALL RELOCATED TREES/PALMS DURING MAINTENANCE PERIOD, UNTIL FINAL ACCEPTANCE OF ALL WORK BY THE LANDSCAPE ARCHITECT AND/OR CLIENT.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING TREE/PALM PROTECTION FENCE.

## WARRANTY

- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF 12 MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION.
- FOR ANY RELOCATED TREE/PALM REMOVED DUE TO ITS FAILURE TO THRIVE, LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND INSTALLING WITH A SPECIMEN OF EQUAL OR GREATER SPECIFICATION OF ORIGINAL REPLACEMENT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, PREPARATION OR INSTALLATION.
- LANDSCAPE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) YEAR GUARANTEE FOR ALL RELOCATED TREES/PALMS AFTER FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR CLIENT.

## INSTALLATION

- VERIFY ALL UNDERGROUND CONSTRUCTIONS OR OBSTRUCTION (UTILITIES, SEPTIC SYSTEMS, ETC.) ARE IDENTIFIED, LOCATED AND CLEARLY MARKED AS APPROPRIATE PRIOR TO EXCAVATION OF PLANTING PITS FOR RELOCATED TREES AND PALMS. ANY UNKNOWN OBJECTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO INSTALLING AND BACKFILLING.
- LANDSCAPE CONTRACTOR TO FLAG ALL PROPOSED PLANT LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
- PLANTING PITS SHALL BE A MINIMUM OF TWO (2) TIMES LARGER IN DIAMETER AND ONE AND A HALF (1-1/2) TIMES LARGER IN DEPTH THAN THE ROOT BALL. ROUGHEN SIDES AND BOTTOM OF PIT.
- AFTER EACH PLANTING PIT IS EXCAVATED, PLACE SUFFICIENT PLANTING MIX IN BOTTOM OF EXCAVATION, AND SEAT PLANT, INSURING TOP OF ROOT BALL IS FLUSH WITH IMMEDIATELY ADJACENT FINAL OR PROPOSED GRADE.

- LANDSCAPE CONTRACTOR TO INSURE ALL PLANT MATERIAL IS INSTALLED AT THE CORRECT ELEVATION. REFER TO HARDSCAPE PLANS AND CIVIL ENGINEERS GRADING PLANS FOR PROPOSED SITE ELEVATIONS.
- LANDSCAPE CONTRACTOR TO INSURE ALL ROOT FLARES ARE EXPOSED.
- PLACE PLANTING MIX IN 12 INCH LIFTS/LAYERS AROUND ROOT BALL AND COMPACT UNTIL ALL VOIDS ARE FILLED WITH COMPACTED PLANTING MIX.
- BUILD SOIL SAUCER OF MOUNDED EXCAVATED SOIL AROUND PERIMETER OF EACH PLANTING PIT TO FORM WATERING BASIN. MULCH TO A DEPTH OF 3".

## LANDSCAPE LEGEND

ZONE: **RS-9** LOT AREA: **#** ACRES: **0.5330**

## FRONT YARD OPEN SPACE

	REQUIRED/ ALLOWED	PROVIDED
A. Total Sq. Ft. of landscaped Open Space required	500	495
Front Yard Area:	2,498	
Multiplier:	20%	

## STREET TREE REQUIREMENTS

A. One street tree per 50 linear feet, less existing trees	7	7
Street Frontage:	362'	
Existing street trees	0	

## FRONT YARD TREE REQUIREMENTS

A. One tree per 1,250 sq. ft. of front yard area	2	2
Front yard area:	2,498	

## MINIMUM NUMBER OF SPECIES

Required trees:	3	2	2
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## NATIVE SPECIES REQUIREMENT

Native species required	5	5
Trees provided:	9	
Multiplier:	60%	

## SHRUBS

A. Number of shrubs required	30	203
Trees required:	3	
Multiplier:	10	
B. % Native species required	102	196
Shrubs provided:	203	
Multiplier:	50%	

## PLANT LIST

ABBR.	QTY.	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
<b>TREES</b>				
Bsi	2	<i>Bursera simaruba</i>	Gumbo Limbo	4" DBH 16' Ht.
Clr	1	<i>Clusia rosea</i>	Autograph Tree	4" DBH 16' Ht.
Cuv	1	<i>Coccoloba uvifera</i>	Seagrape Tree	4" DBH 16' Ht.
Gus	2	<i>Guaiaecium sanctum</i>	Lignum Vitae	65 Gal. Sculptural, Full
Mf	8	<i>Myrcianthes fragrans</i>	Simpson Stopper	64 Gal. Multi, Sculptural, Full
<b>STREET TREES</b>				
Cbr	2	<i>Calophyllum brasiliense</i>	Brazilian Beautyleaf	3" DBH 15' Ht.
Cuv	3	<i>Coccoloba uvifera</i>	Seagrape Tree	3" DBH 15' Ht.
Krf	2	<i>Krugiodendron ferreum</i>	Black Ironwood	3" DBH 15' Ht.
<b>STREET TREES WITHIN PROPERTY</b>				
Bua	1	<i>Bulnesia arborea</i>	Verawood	4" DBH 16' Ht.
<b>PALMS</b>				
Ccr	1	<i>Coccothrinax crinita</i>	Old Man Palm	25 Gal.
Dca	4	<i>Dypsis cabadae (cluster)</i>	Cabadae Palm	100 Gal. 12-14' Ht. OA Full
Rel	4	<i>Roystonea elata</i>	Royal Palm	8' CT
Rex	5	<i>Rhapis excelsa</i>	Lady Palm	5'-6' Ht.
Sal	2	<i>Satakenia liliuensis</i>	Satake Palm	8' CT
Spa	7	<i>Sabal palmetto</i>	Sabal Palm	8' CT 16' Ht. OA
Tra	3	<i>Thrinax radiata</i>	Florida Thatch Palm	10'-14' Ht. OA
<b>SHRUBS</b>				
Ap	7	<i>Alpinia purpurata</i>	Red Ginger	15 Gal. 5' Ht.
Cac	25	<i>Capparis cynophallophora</i>	Jamaican Caper	15 Gal. 5' Ht. Full to Base
Ce	38	<i>Conocarpus Erectus</i>	Green Buttonwood	15 Gal. 5' Ht. Full to Base
Cih	105	<i>Chrysobalanus icaco 'Horizontalis'</i>	Horizontal Cocoplum	7 Gal. 24" Ht.
Gg	18	<i>Galphimia glauca</i>	Thryallis, Rain-of-Gold	7 Gal. 3' Ht.
Sr	10	<i>Serenoa repens 'Silver Form'</i>	Silver Saw Palmetto	35 Gal. 5' Ht.
<b>SOD</b>				
Psd	5610 sq ft	<i>Palmetto Sod</i>	St. Augustine grass	Pallet
<b>TREES OR PALMS THAT COUNT TOWARDS MITIGATION</b>				
<b>GROUNDCOVERS</b>				
Ag	TBD	<i>Arachis glabrata</i>	Perennial peanut	TBD
Bfo	TBD	<i>Bulbine frutescens (orange)</i>	Orange Bulbine	TBD
Ceb	TBD	<i>Carissa macrocarpa 'Emerald Blanka'</i>	Carissa 'Emerald Blanka'	TBD
Lm	TBD	<i>Liriope muscarif</i>	Lilyturf	TBD
Ms	TBD	<i>Microsorium scolopendrium</i>	Wart Fern	TBD
Pbm	TBD	<i>Philodendron 'Burle Marx'</i>	Same	TBD
Phc	TBD	<i>Phyllanthus cochinchinensis</i>	Vietnam leaf flower	TBD
<b>ACCENTS</b>				
Aan	TBD	<i>Agave angustifolia 'Marginata'</i>	Caribbean Agave	TBD
Ai	TBD	<i>Alcantarea Imperialis</i>	Same	TBD
Ef	TBD	<i>Encephalartos ferox</i>	Same	TBD
Pb	TBD	<i>Philodendron bipinnatifidum</i>	Split Leaf Philodendron	TBD
Pba	TBD	<i>Pandanus baptisti 'Aureus'</i>	Dwarf Variegated Pandanus	TBD
Re	TBD	<i>Russelia equisetiformis</i>	Firecracker Plant	TBD
Tf	TBD	<i>Tripsacum Floridana</i>	Gamagrass	TBD
Zp	TBD	<i>Zamia pumila</i>	Coontie	TBD
<b>SOD</b>				
Psd	TBD	<i>Palmetto Sod</i>	St. Augustine grass	TBD
<b>SUPPLEMENTAL</b>				
TBD		<i>Pine Bark Mulch (for planting beds)</i>	T.B.D. by Landscape Contractor	
TBD		<i>Planting Top Soil</i>	T.B.D. by Landscape Contractor	
TBD		<i>Fertilizer for initial plant installation</i>	T.B.D. by Landscape Contractor	
<b>NOTE: QUANTITY AND SPECIFICATIONS FOR GROUNDCOVERS AND ACCENTS TBD DURING THE NEXT PHASE</b>				
<b>TREES OR PALMS THAT COUNT TOWARDS MITIGATION</b>				

City Stamps

**CLAD**  
CARL LEVIN ARCHITECTURE • DESIGN  
3390 MARY STREET, SUITE 135  
COCONUT GROVE, FL 33133  
305-442-3118 CARL@CLA-D.COM

CONSULTANT:

**strata**  
LANDSCAPE ARCHITECTURE  
1906 Tigertail Ave. Miami, FL 33133  
strata-landarch.com  
305.747.9336

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

Seal



Peter Straszewski, P.L.A. #LA0667526  
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Revision

11/18/24	CITY COMMENTS
12/10/24	CITY COMMENTS

Project Number  
24-004

Date  
10/08/24

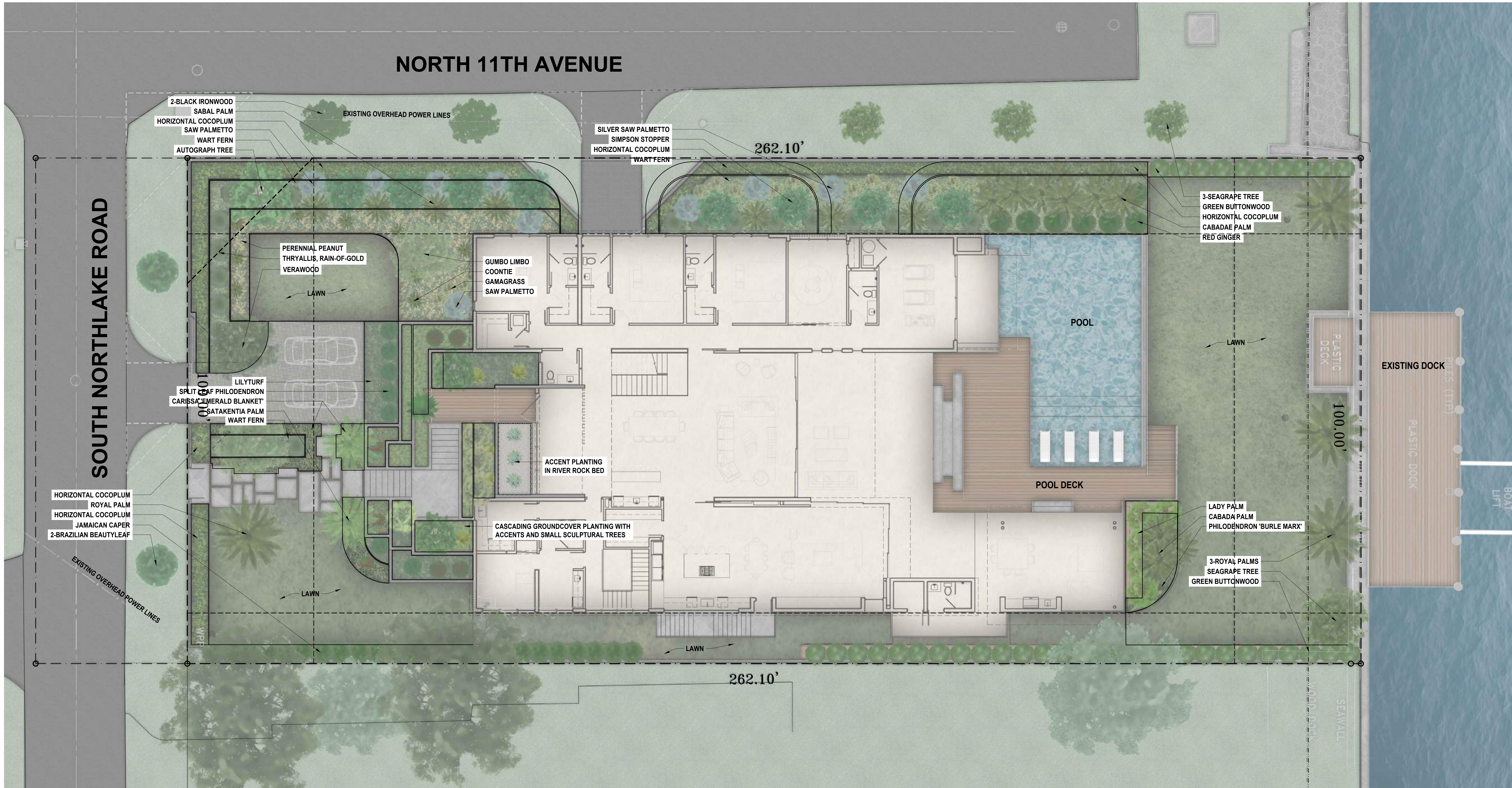
Sheet Title

**PLANTING DETAILS  
& NOTES**

Drawn by: JLL  
Checked by: CDL  
Sheet Number

L.03









NORTH 11TH AVENUE

SOUTH NORTHLAKE ROAD

EXISTING OVERHEAD POWER LINES

262.10'

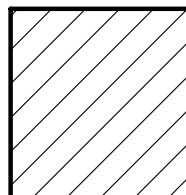
100.00'

100.00'

262.10'

RAINBIRD ESP-LX MODULAR  
IRRIGATION TIMER AND  
RAINBIRD RAIN SENSOR  
ATTACHED TO CONTROLLER

APPROXIMATE LOCATION  
OF IRRIGATION SUB-METER  
MASTER VALVE  
APPROXIMATE LOCATION  
BACKFLOW PREVENTER



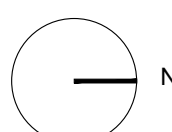
LAWN



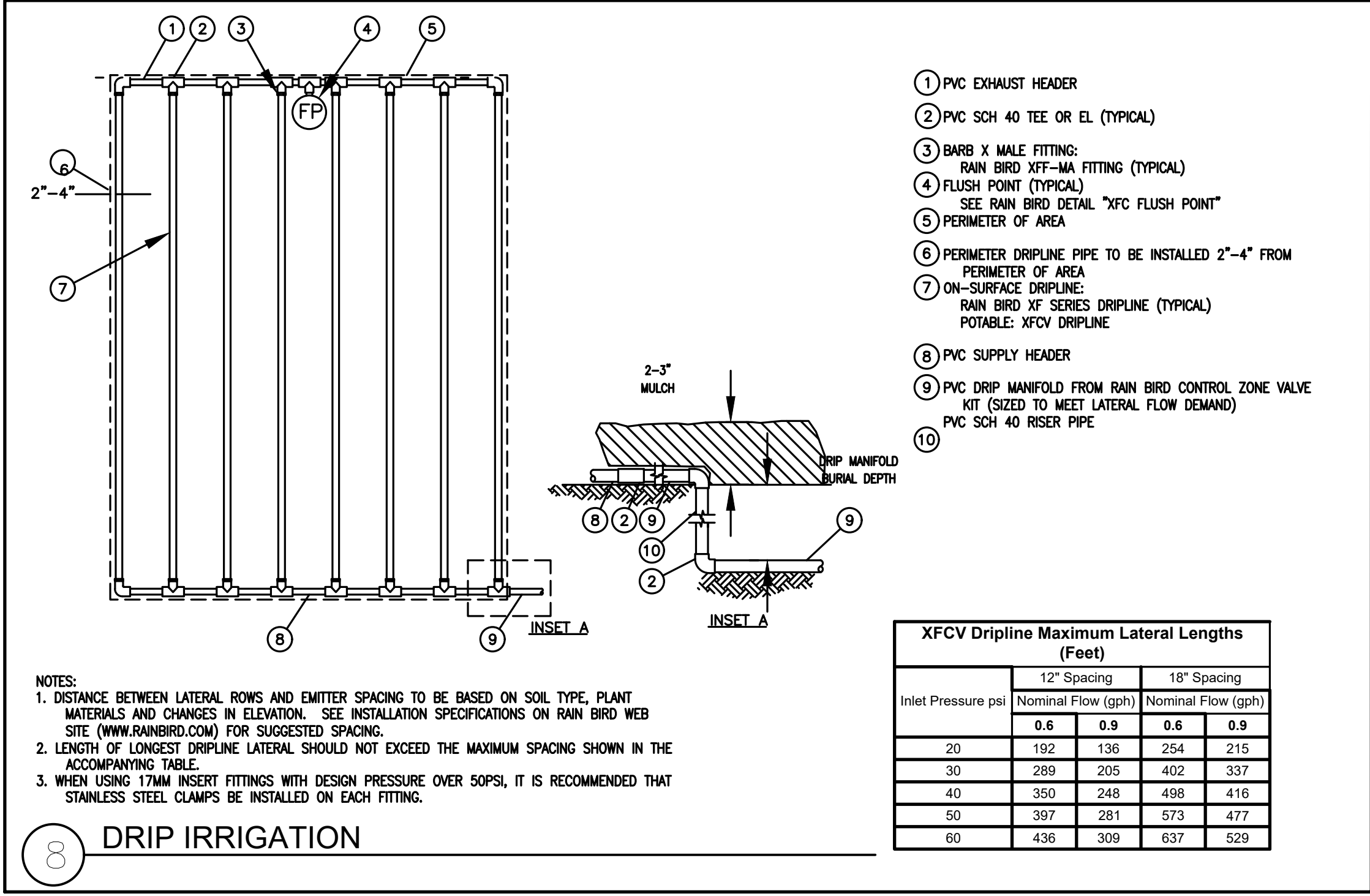
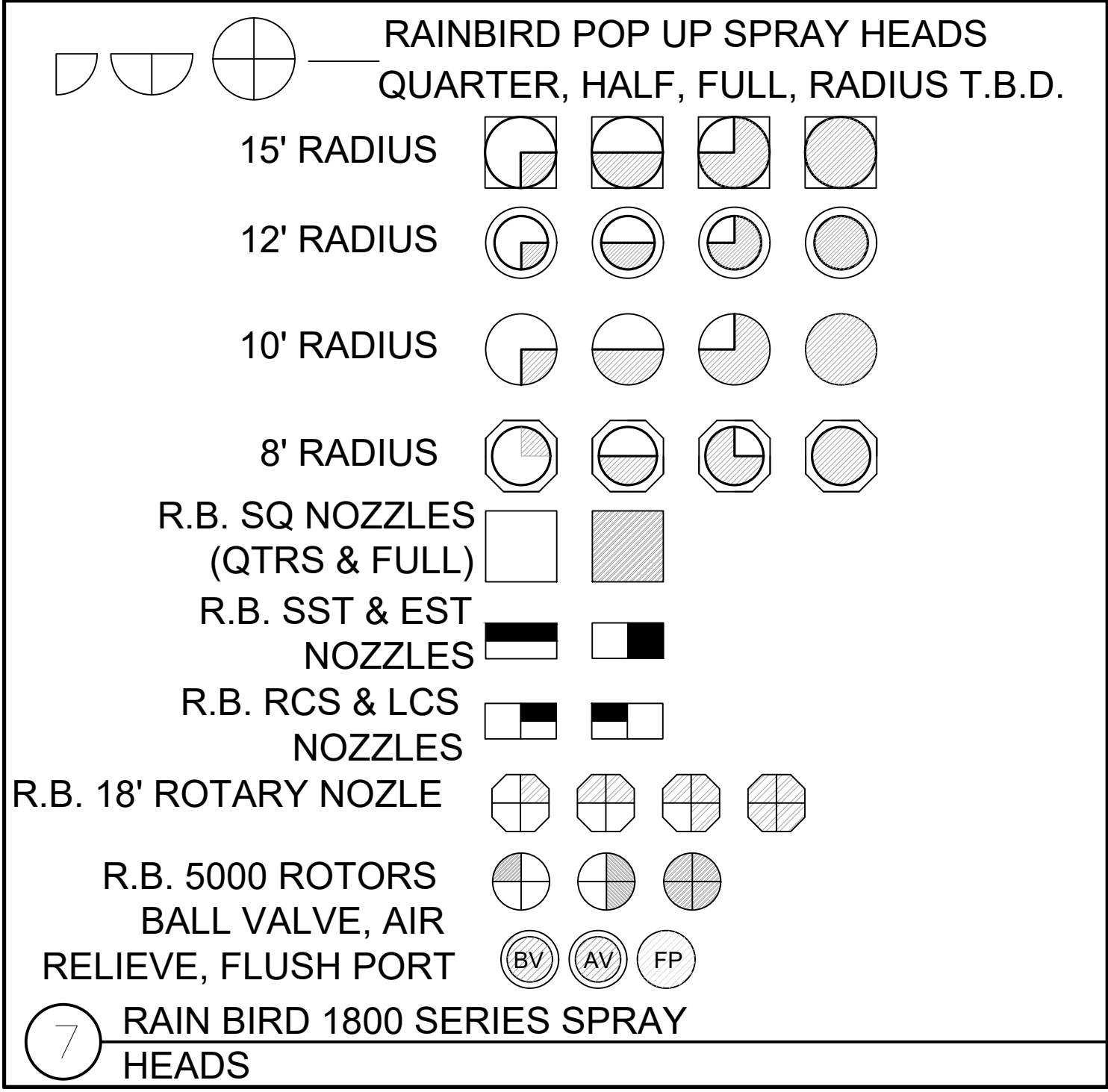
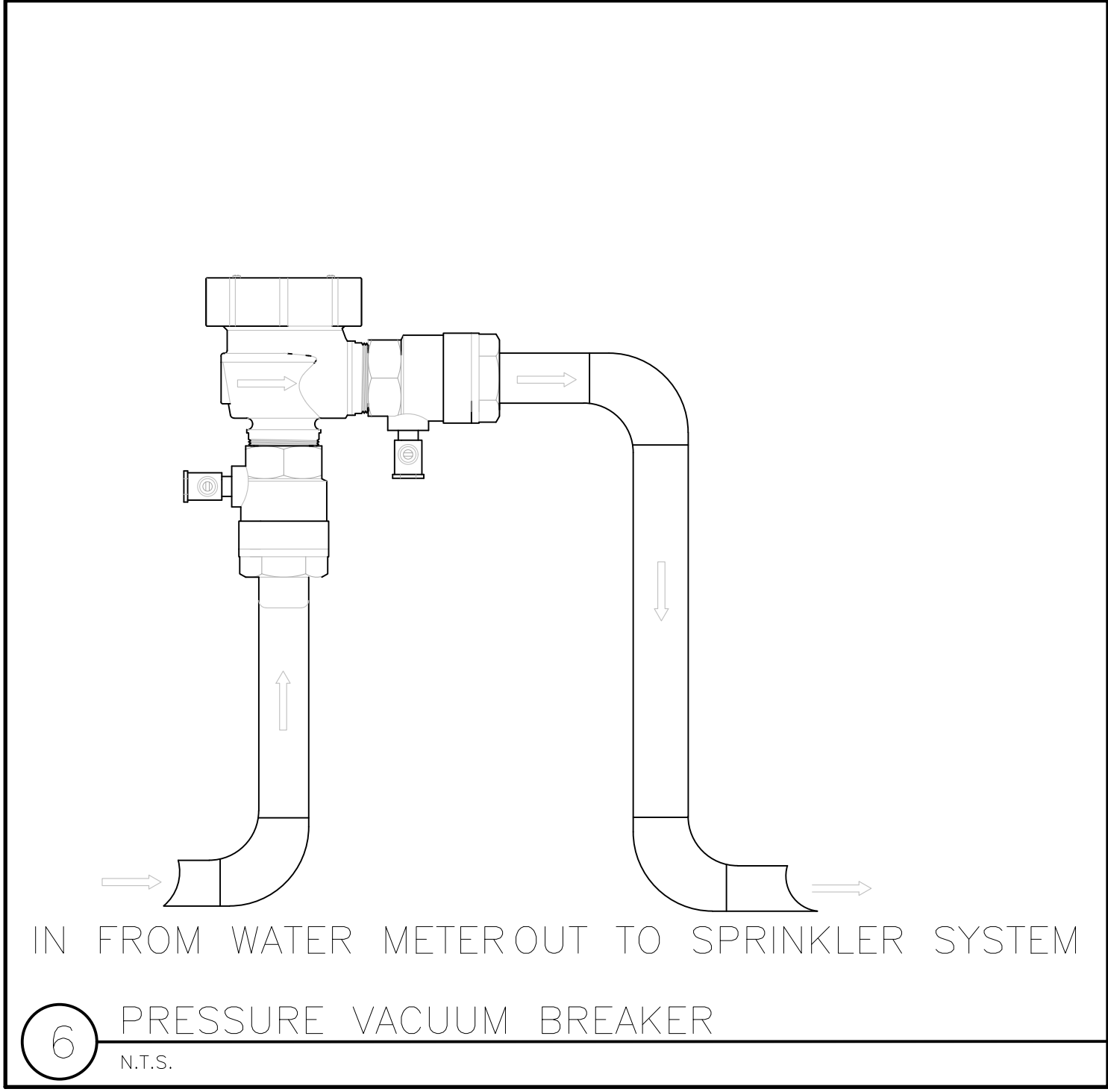
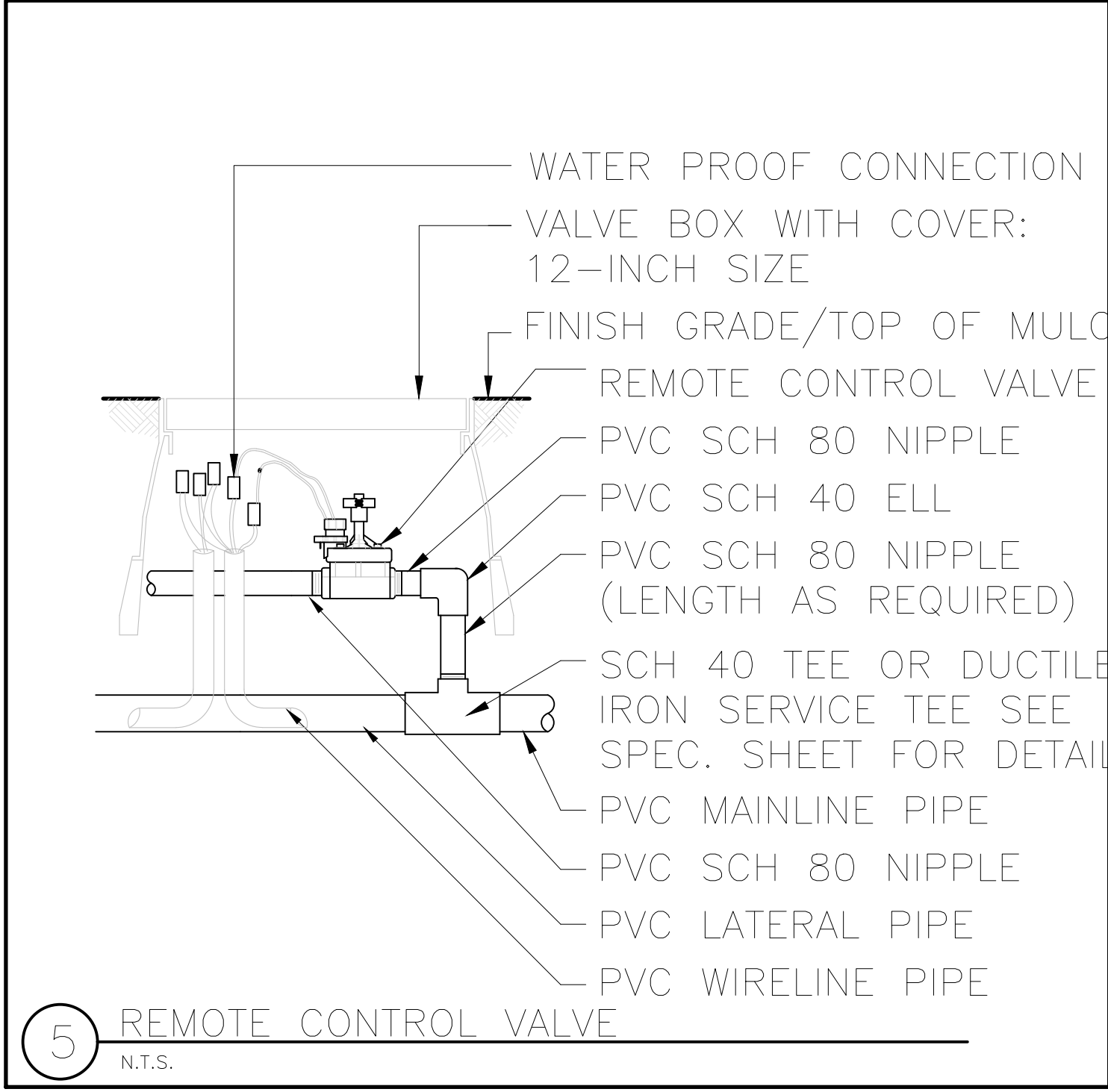
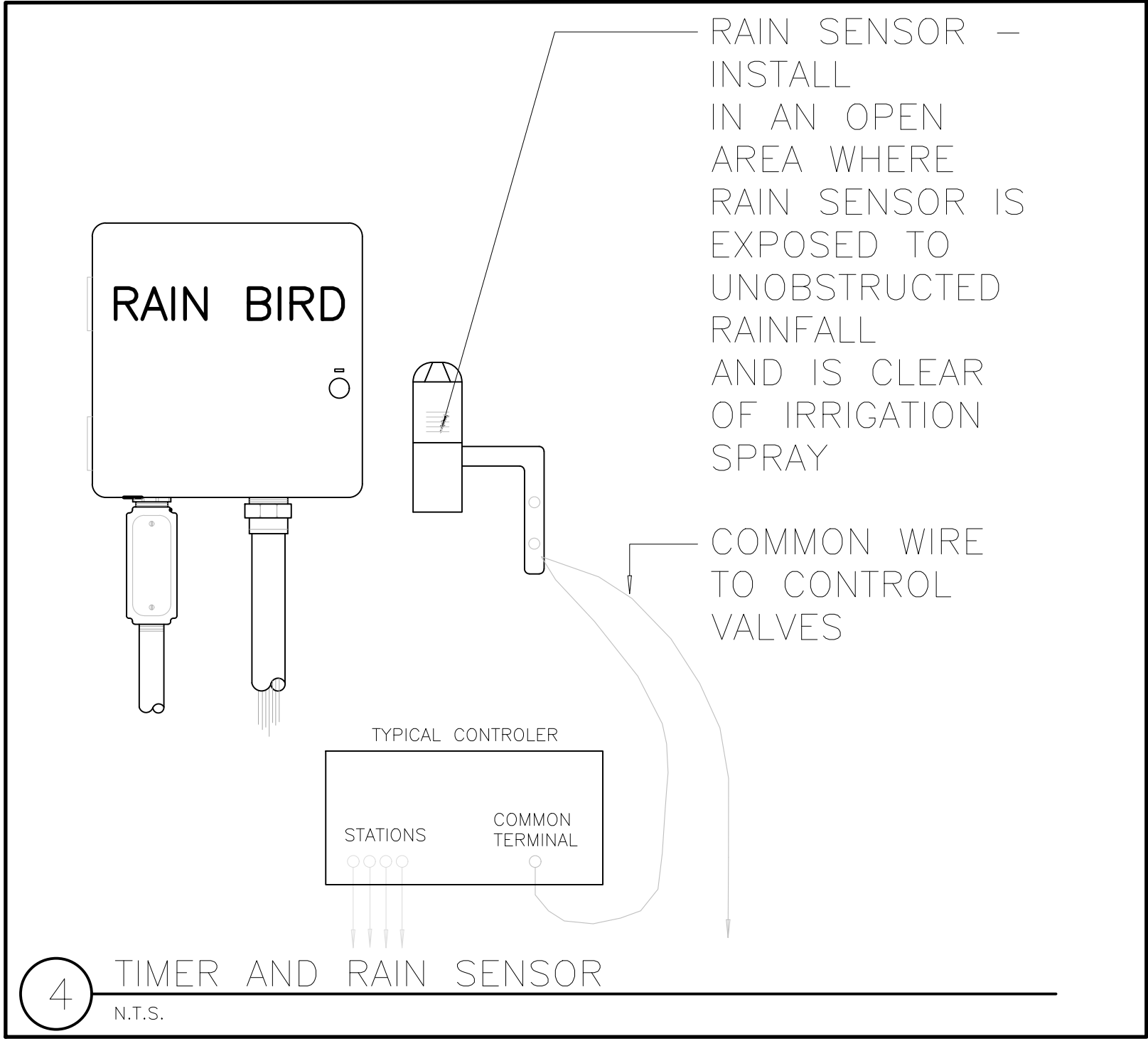
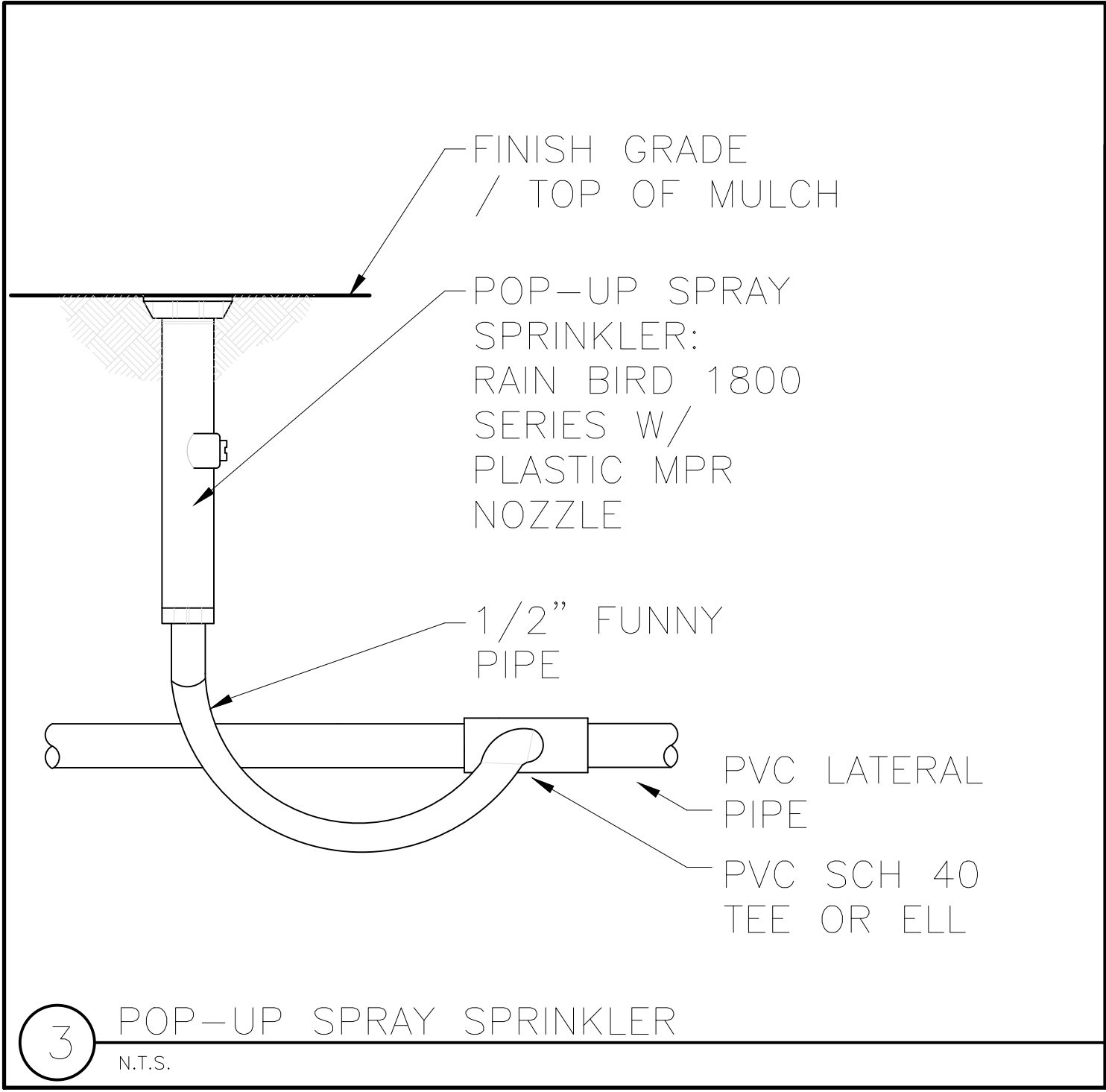
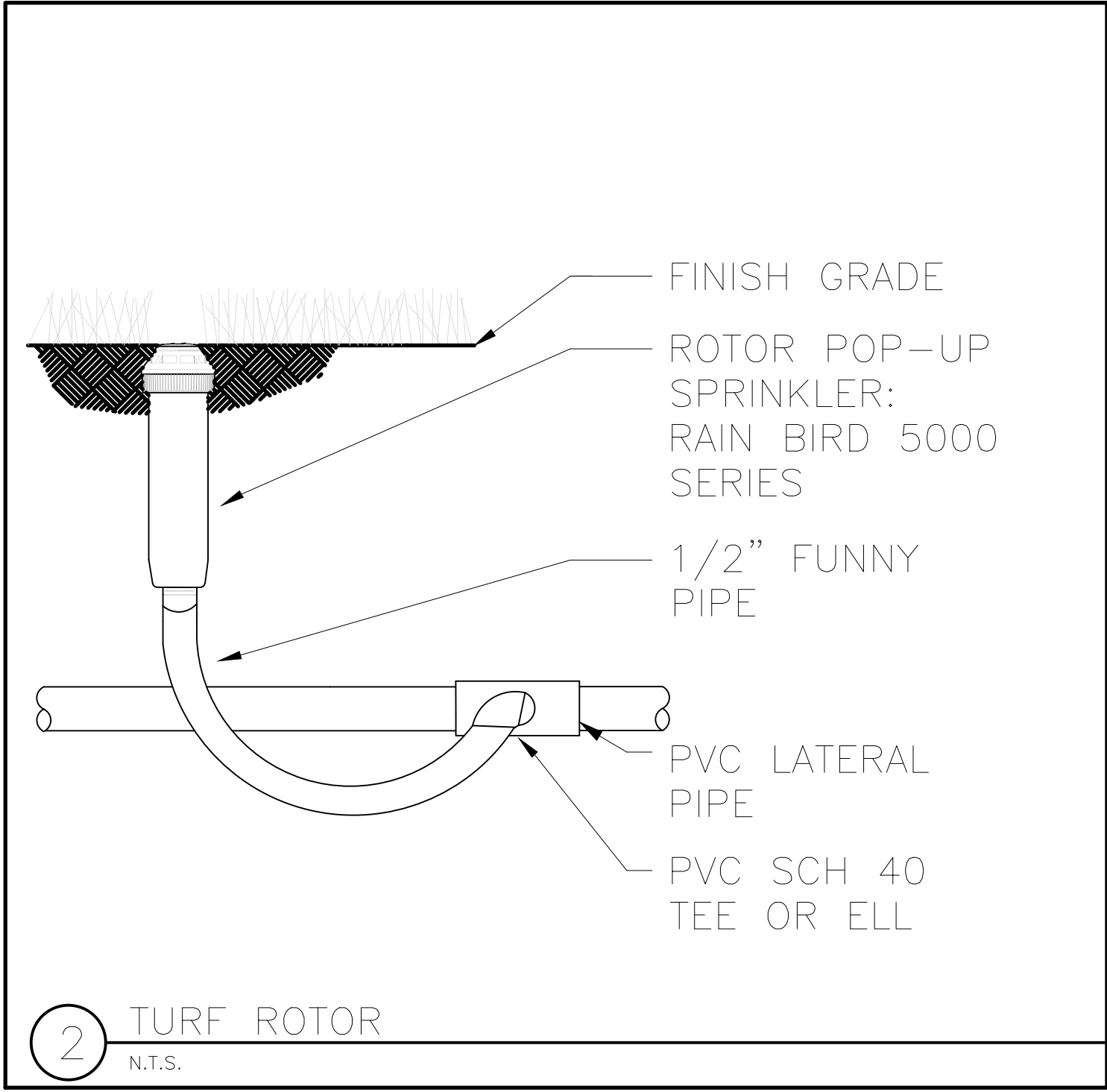
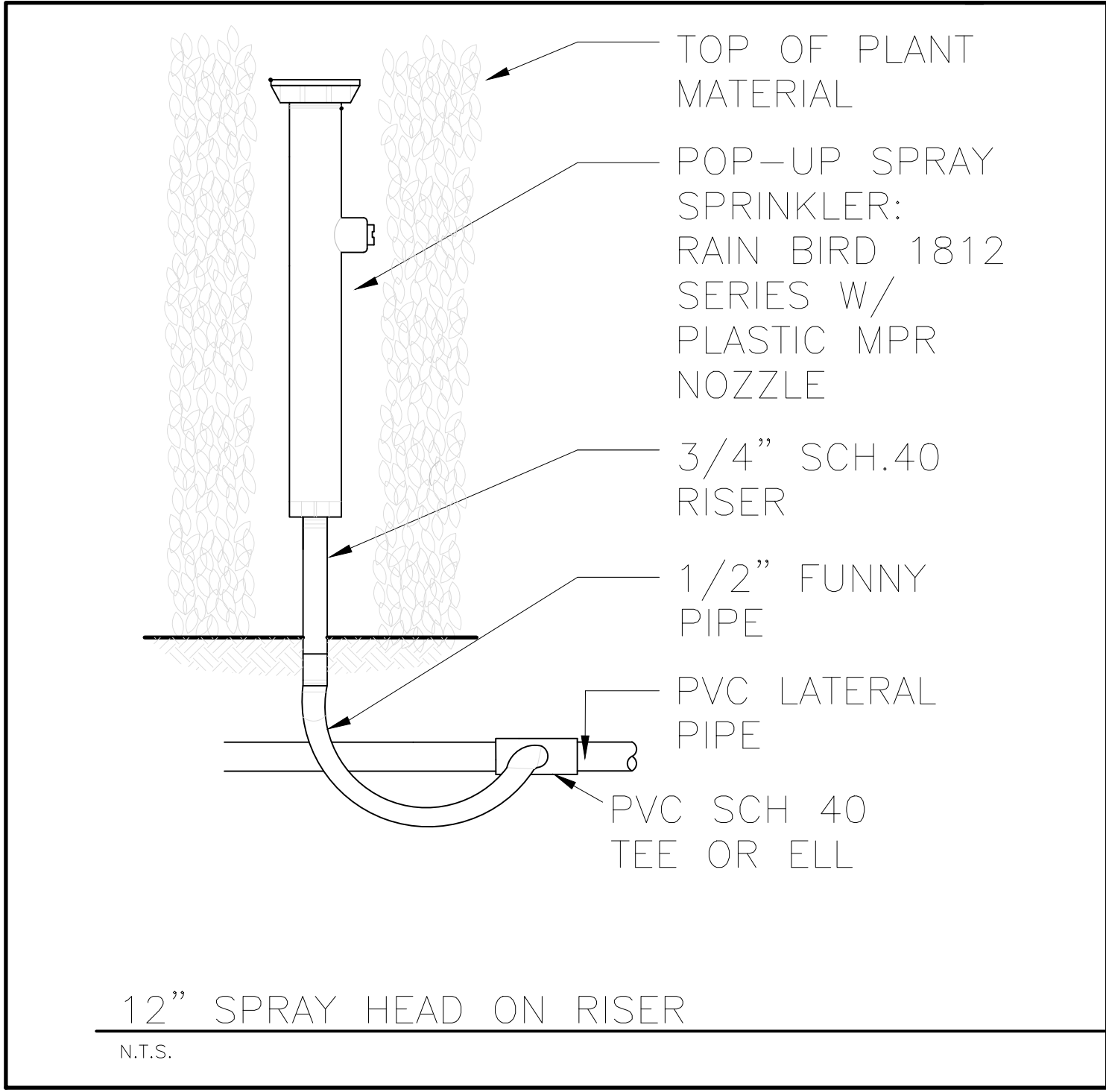
SHRUBS/GROUNDCOVERS

IRRIGATION NOTE:  
MAIN LINE, LATERAL LINE, AND IRRIGATION SPRINKLER LOCATIONS ARE SHOWN SCHEMATICALLY  
AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. RAIN SENOR TO BE PROVIDED AND ALL  
LANDSCAPE AREAS TO RECEIVE 100% COVERAGE BY IRRIGATION SYSTEM.

8' 0 8 16  
SCALE: 1/8"=1'-0"







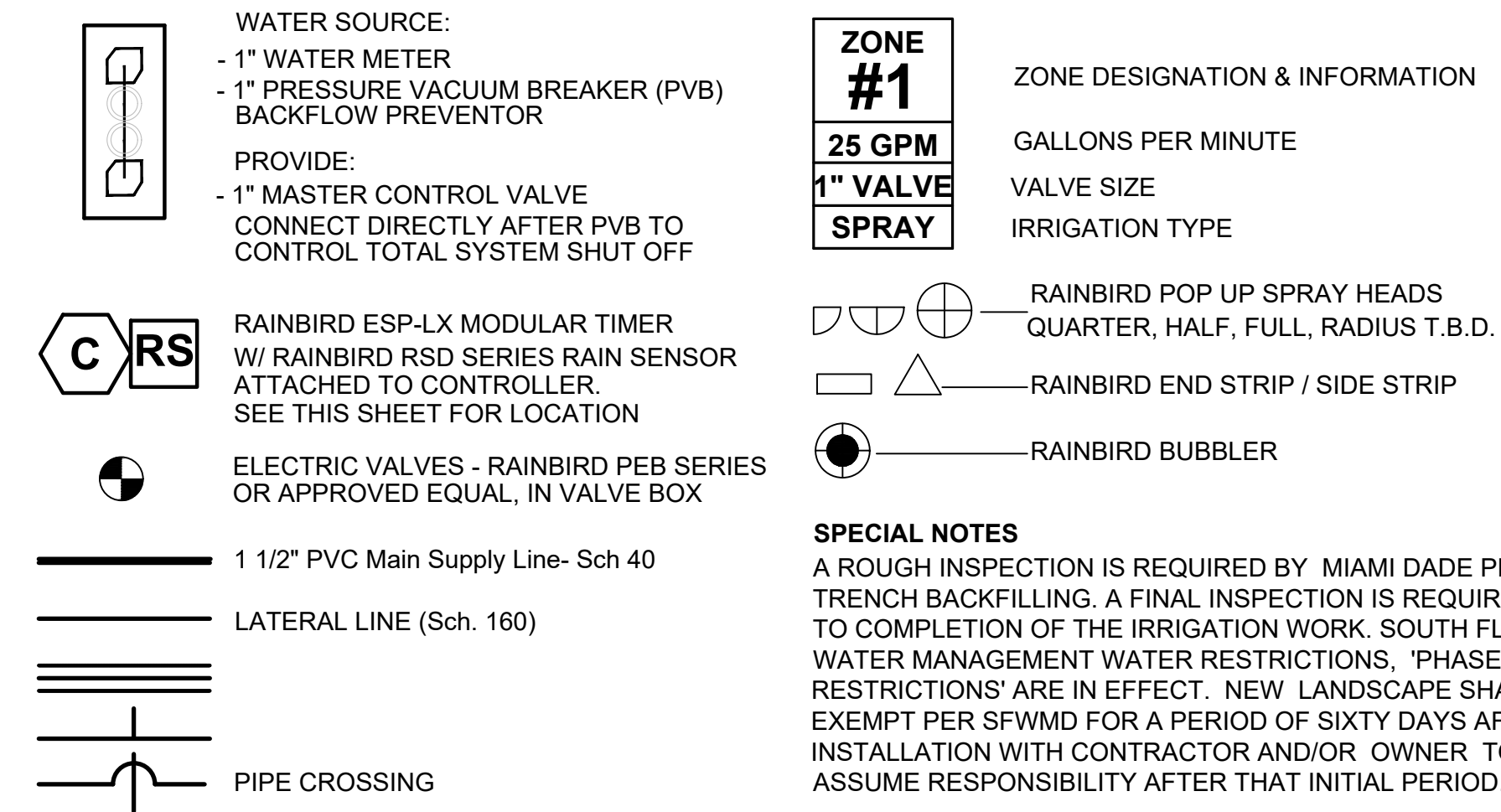
## IRRIGATION NOTES

- Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
- All mainline, lateral line and control wire conduit under paving shall be installed in separate sleeves. Sleeves shall be a minimum of twice (2X) the diameter of the pipe to be sleeved.
- Install all backflow prevention devices and all piping between the point of connection and the backflow preventer as per local codes.
- Final location of the backflow preventer and automatic controller shall be approved by the owner's authorized representative.
- 120 VAC electrical power source at controller location shall be provided by others. The electrical contractor shall make the final connection from the electrical source to the controller.
- All sprinkler heads shall be set perpendicular to finish grade unless otherwise specified.
- The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum spray with minimal overspray onto walks, streets, walls, etc.
- This design is diagrammatic. All piping, valves, etc., shown within paved areas is for design clarification only and shall be installed in planting areas wherever possible. The contractor shall locate all valves in shrub areas where possible.

- It is the responsibility of the irrigation contractor to familiarize himself with all grade differences, location of walls, retaining walls, structures and utilities. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves through walls, under roadways and paving, etc.
- Do not willingly install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
- All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
- The irrigation contractor shall install check valves on all heads in areas where finish grade exceeds 4:1, where post valve shut-off draining, of the irrigation head occurs or as directed by the owner's authorized representative.
- The contractor shall provide 1800 PCS (pressure compensating screens) as necessary to reduce or eliminate overspray onto streets, walks or other areas as directed by the owner's authorized representative.
- All control wires shall be installed in PVC conduit.

- All remote control valves, gate valves, quick couplers, control wire and computer cable pull points shall be installed in approved valves boxes with covers.

## IRRIGATION LEGEND



**SPECIAL NOTES**  
A ROUGH INSPECTION IS REQUIRED BY MIAMI DADE PRIOR TO TRENCH BACKFILLING. A FINAL INSPECTION IS REQUIRED PRIOR TO COMPLETION OF THE IRRIGATION WORK. SOUTH FLORIDA WATER MANAGEMENT WATER RESTRICTIONS, 'PHASE II RESTRICTIONS' ARE IN EFFECT. NEW LANDSCAPE SHALL BE EXEMPT PER SPWMD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION WITH CONTRACTOR AND/OR OWNER TO ASSUME RESPONSIBILITY AFTER THAT INITIAL PERIOD.

## LANDSCAPED AREA

FLORIDA BUILDING CODE- APPENDIX F PIPE INSTALLATION-DEPTH OF COVER		FLORIDA BUILDING CODE- APPENDIX F PART V- A-6	
VEHICLE TRAFFIC AREAS		WATER PIPE SIZE	SLEEVE SIZE
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)	3/4"	1 1/2"
1/2" TO 2 1/2"	18" TO 24"	1"	2"
3" TO 5"	24" TO 30"	1 1/4"	2 1/2"
6" OR GREATER	30" TO 36"	1 1/2"	3"
NON-TRAFFIC AND NON-CULTIVATED AREAS		2"	4"
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)	3"	6"
1/2" TO 1 1/4"	6" TO 12"	4"	8"
1 1/2" TO 2"	12" TO 18"		
2 1/2" TO 3"	18" TO 24"		
4" OR LARGER	24" TO 36"		

**LANDSCAPE and IRRIGATION NOTE**  
1. THE PROPOSED LANDSCAPE and IRRIGATION DESIGN MEETS and EXCEEDS THE LANDSCAPE CODE REQUIREMENTS AS STIPULATED IN CHAPTER 18-A, MIAMI DADE COUNTY LANDSCAPE ORDINANCE.  
2. EXISTING SITE CONDITIONS HAVE BEEN FIELD VERIFIED BY LANDSCAPE ARCHITECT.  
3. ALL LANDSCAPE AREAS TO BE 100% COVERED BY A FULLY AUTOMATIC IRRIGATION SYSTEM WITH RAIN SENSOR. SEE THIS SHEET FOR IRRIGATION LAYOUT.

City Stamps

**CLAD**  
CARL LEVIN ARCHITECTURE + DESIGN  
3390 MARY STREET, SUITE 135  
COCONUT GROVE, FL 33133  
305-442-3118 CARL@CLA-D.COM

CONSULTANT:

**strata**  
LANDSCAPE ARCHITECTURE  
1906 Tigertail Ave. Miami, FL 33133  
strata-landarch.com  
305.747.9336

**CONSTRUCTION DRAWINGS FOR A:**  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019



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Revision  
Project Number 24-004  
Date 10/08/24  
Sheet Title IRRIGATION DETAILS & NOTES  
Drawn by: JLL  
Checked by: CDL  
Sheet Number

IR.02



INDEX OF SHEETS

- CS-1 COVER SHEET
- CS-2 LEVEL 1 PAVING, GRADING & DRAINAGE PLAN
- CS-2.1 LEVEL 0 PAVING, GRADING & DRAINAGE PLAN
- CS-3 PAVING AND DRAINAGE DETAILS
- CS-3.1 PAVING AND DRAINAGE DETAILS
- CS-4 STORM WATER POLLUTION PREVENTION PLAN
- CS-5 WATER & SEWER PLAN
- CS-6 WATER & SEWER DETAILS
- CS-7 WATER & SEWER DETAILS

DEMOLITION NOTES:

- 1- UNLESS OTHERWISE NOTED, ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF WORK SHALL BE REMOVED IN THEIR ENTIRETY.
- 2- ASPHALT PAVEMENT DESIGNATED FOR DEMOLITION SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT AN APPROVED LOCATION. SAW-CUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
- 3- IN GREEN AREAS, EXISTING LIMEROCK SUBBASE SHALL BE SCARIFIED TO ITS FULL DEPTH AND SHAPED TO THE LINES AND GRADES SHOWN IN THESE DRAWINGS.
- 4- ALL EXISTING DRAINAGE IMPROVEMENTS WITHIN THE LIMITS OF WORK, IF ANY, SHALL BE REMOVED, INCLUDING STRUCTURES, PIPES, AND FRENCH DRAINS.

TRENCH SAFETY ACT

CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TRENCH SAFETY ACT" AND ALL REQUIREMENTS OF O.S.H.A.

SITE DATA

FLOOD ZONE FIRM MAP PANEL No. = 12011C0569J  
ZONE "AE" DATED: 07-31-2024  
BASE FLOOD ELEVATION = 7.00 NAVD & 8.00 NAVD  
AVERAGE WET SEASON WATER ELEVATION = (+) 0.5 NAVD

UNDERGROUND DIGGING NOTE:

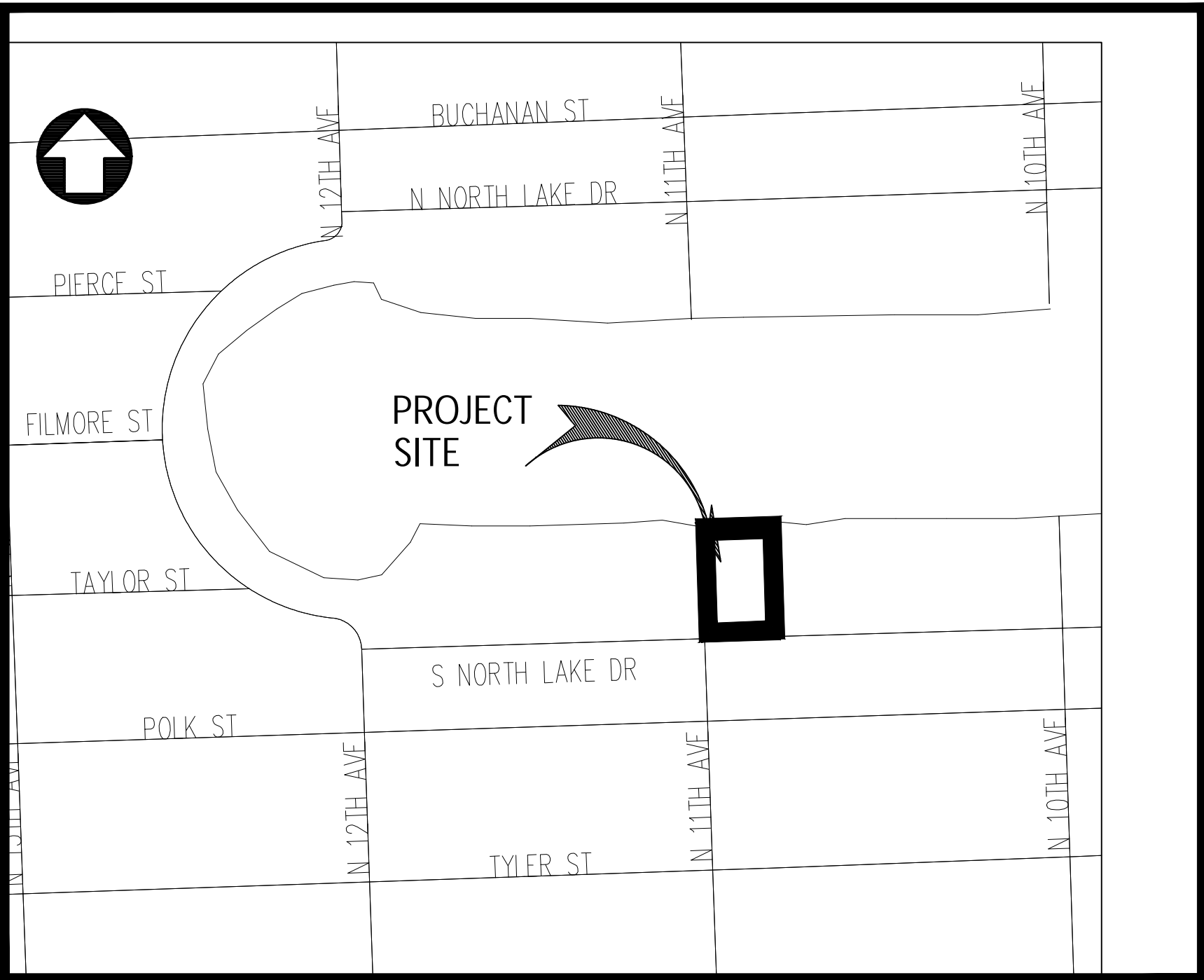
CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING. CONTRACTOR SHALL REMAIN 2 FEET AWAY FROM THE LOCATED MARKS WITH THE MACHINERY. IF IT'S NECESSARY TO EXCAVATE WITHIN THE 2 FOOT TOLERANCE ZONE, CONTRACTOR MUST HAND DIG, SOFT DIG, OR USE NON-INVASIVE MEANS TO EXPOSE AND PROTECT THE EXISTING FACILITIES AS REQUIRED BY LAW.

NOTE:

UNDERGROUND UTILITY INFORMATION IS TAKEN FROM THE BEST AVAILABLE SOURCES, BUT SHOULD BE VERIFIED BY CONTRACTOR IN THE FIELD WITH THE APPROPRIATE UTILITY AGENCY PRIOR TO COMMENCEMENT OF ANY WORK. EXISTING UTILITY LINES OTHER THAN THOSE INDICATED IN THIS DRAWING MAY BE ON SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK. HE/SHE IS TO MAKE ALL POSSIBLE INVESTIGATION AS TO POSSIBLE UNMARKED UTILITY LINES.

GENERAL NOTES:

- VERTICAL CONTROL POINTS AND ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- THE CONTRACTOR SHALL CONFIRM ALL HORIZONTAL AND VERTICAL CONTROL POINTS PRIOR TO USE. THE CONTRACTOR SHALL CONFIRM ALIGNMENT AND ELEVATIONS OF ADJACENT WORK PRIOR TO BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE OWNER'S ATTENTION.
- ALL EXISTING UTILITIES SHALL REMAIN IN SERVICE, UNLESS OTHERWISE NOTED.
- USE EXTREME CAUTION NEAR ALL UTILITIES, CABLES, CONDUITS, AND MANHOLES. CONTRACTOR TO PROVIDE PROTECTION DURING CONSTRUCTION TO ASSURE SERVICE AT ALL TIMES. CONTRACTOR SHALL COORDINATE ALL SCHEDULES WITH FIELD REPRESENTATIVE PRIOR TO WORKING AROUND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH CURRENT SITE CONDITIONS AND SHALL REPORT ANY DISCREPANCIES ON THE PLANS TO THE ENGINEER PRIOR TO COMMENCING WORK.
- ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE WORK LIMIT LINES AS SHOWN ON THE PLANS AND SHALL WORK WITHIN THE LIMITS AND DIMENSIONS SHOWN. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT. ANY DEVIATION FROM THE PLANS SHALL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO EXECUTING WORK.
- GRADING SHALL CONSIST OF ALL EXCAVATION, BACKFILLING, SHAPING AND SLOPING NECESSARY FOR THE CONSTRUCTION, PREPARATION AND COMPLETION OF ALL WORK AND OTHER AREAS, ALL IN ACCORDANCE WITH THE LAYOUT AND GRADES SHOWN ON THESE DRAWINGS. SAWCUT ALL PAVEMENT EDGES WHERE EXISTING PAVEMENT IS TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND RESTORING ALL ADJACENT IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL DISTURBED EXISTING MANHOLE COVERS, VALVE BOXES, BLOW-OFF RISERS, ETC. TO NEW ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON DRAWINGS OR NOT.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED WORK, PRIOR TO THE START OF ANY CONSTRUCTION, TO ARRANGE FOR PHYSICAL LOCATION AND ELEVATION OF ALL UNDERGROUND IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE UTILITY COMPANY SUFFICIENT NOTICE TO SCHEDULE ANY RELOCATION OF THEIR UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT OF ANY UTILITY THAT MAY BE IN CONFLICT WITH OR ENDANGERED BY THE PROPOSED WORK.
- ALL OVERHEAD OR SURFACE STRUCTURES AND UTILITIES ENCOUNTERED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE OR DISPLACEMENT. ALL DAMAGE TO SUCH STRUCTURES SHALL BE COMPLETELY REPAIRED WITHIN THE TIME FRAME OF THE CONSTRUCTION. THE OWNER RESERVES THE RIGHT TO REMEDY SUCH DAMAGE BY ORDERING OUTSIDE PARTIES TO MAKE SUCH REPAIRS AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR MAY STORE EQUIPMENT AND MATERIALS WITHIN THE LIMITS OF THE SITE. THE CONTRACTOR SHALL MAINTAIN THESE AREAS IN A CLEAN AND ORDERLY CONDITION SO AS NOT TO CAUSE A NUISANCE IN THE AREA. THE CONTRACTOR SHALL RESTORE THE STORAGE AREA TO ITS ORIGINAL OR BETTER CONDITION, WITH ALL ITS APPURTENANCES, IN KIND, TO THE SATISFACTION OF THE ENGINEER AND OWNER.
- COMPLETE "AS-BUILT" INFORMATION RELATIVE TO LOCATION, SIZE AND DEPTH OF THE PROPOSED PIPES, STRUCTURES, AND OTHER IMPROVEMENTS SHALL BE ACCURATELY RECORDED. THIS INFORMATION SHALL BE SUBMITTED TO THE ENGINEER AS A CADD FILE AND AS A DRAWING SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA AT THE CONTRACTOR'S EXPENSE.
- THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON EXISTING UTILITY PLANS. NO SUBSURFACE VERIFICATION OF THE UTILITIES WAS MADE. SOME UTILITIES MAY NOT BE REFLECTED IN THESE PLANS. BEFORE EXCAVATION OR CONSTRUCTION, CONTACT THE SUNSHINE ONE CALL SERVICE #811 AND THE APPROPRIATE UTILITY COMPANIES FOR FIELD VERIFICATION. SUBSURFACE CASINGS, DUCT BANKS, FOOTINGS FOUNDATIONS, AND OTHER SUBSURFACE FEATURES ARE NOT LOCATED OR SHOWN HEREON ARE TO BE VERIFIED BY CONTRACTOR BEFORE COMMENCING ANY WORK.
- PROVIDE 6 FOOT VINYL VISUAL BARRIER ON ALL FENCING AT CONSTRUCTION LIMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY AND MAKING THE REPAIRS OF EXISTING PAVEMENT, SIDEWALKS, PIPES, CONDUITS, CURBS, CABLES, ETC., WHETHER OR NOT SHOWN ON THE PLANS, DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY TO THE ORIGINAL CONDITIONS OR BETTER AT NO ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL REPORT ANY DAMAGED SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
- EXISTING WATER METERS, UTILITY POLES & GUY WIRES AND OTHER UTILITIES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED OR RELOCATED UNLESS OTHERWISE NOTED.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES OF CITY OF HOLLYWOOD STANDARDS AND DETAILS, BROWARD COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES STANDARDS AND DETAILS AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND DETAILS.



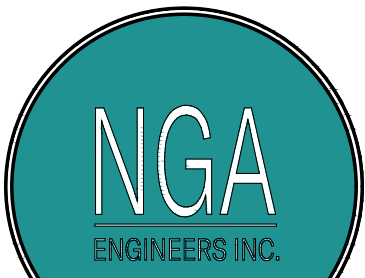
LOCATION MAP

SCALE 1" = 300'

LEGAL DESCRIPTION:

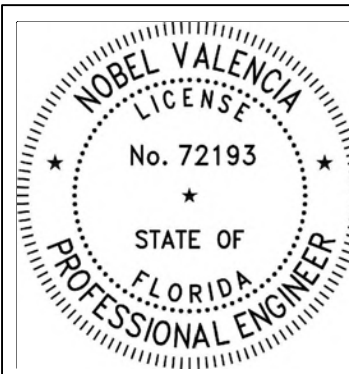
LOTS 29 AND 30, BLOCK 48, HOLLYWOOD LAKES SECTION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, AT PAGE 32, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA; SUBJECT TO AN EASEMENT FOR HIGHWAY AND STREET PURPOSES OVER AND ACROSS THE SOUTH 30 FEET OF SAID LOTS 29 AND 30; ALSO, ALL THAT PARCEL OF LAND DESCRIBED AND BOUNDED AS FOLLOWS: BEING A PART OF TAYLOR STREET AND A PART OF BLOCK 70, HOLLYWOOD LAKES SECTION, BOUNDED ON THE SOUTH BY THE NORTH LINE OF LOTS 29 AND 30 IN BLOCK 48 OF HOLLYWOOD LAKES SECTION, IN THE NORTH BY BLOCK 71, OTHERWISE DESCRIBED AS NORTH LAKE OF SAID SUBDIVISION, ON THE EAST BY THE EAST LINE OF LOT 29 IN BLOCK 48, EXTENDED IN A NORTHERLY DIRECTION AND ON THE WEST BY THE WEST LINE OF LOT 30, IN BLOCK 48, EXTENDED IN A NORTHERLY DIRECTION, AS SHOWN ON THE PLAT OF HOLLYWOOD LAKES SECTION RECORDED IN PLAT BOOK 1, PAGE 32, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING ALL THAT PARCEL OF LAND LYING NORTH OF LOTS 29 AND 30, IN BLOCK 48, OF HOLLYWOOD LAKES SECTION, EXTENDING TO THE NORTH LAKE IN SAID SUBDIVISION.

Address: 1051 South Northlake Dr., Hollywood, Florida. 33019



Civil Engineers

11231 SW 88th St.,  
Unit D-114,  
Miami, FL 33176.  
TEL: (305) 200 6701  
EMAIL: nobel@ngaengineers.com



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NOBEL VALENCIA, P.E., ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

12/16/2024

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY: That 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 STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted by the State of Florida Legislature, Chapter 72-328 F.S.



CONSTRUCTION DRAWINGS FOR A:

PRIVATE RESIDENCE

1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

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Revision

Project Number

24-004

Date

10/08/24

Sheet Title

Cover Sheet

Drawn by:

NV

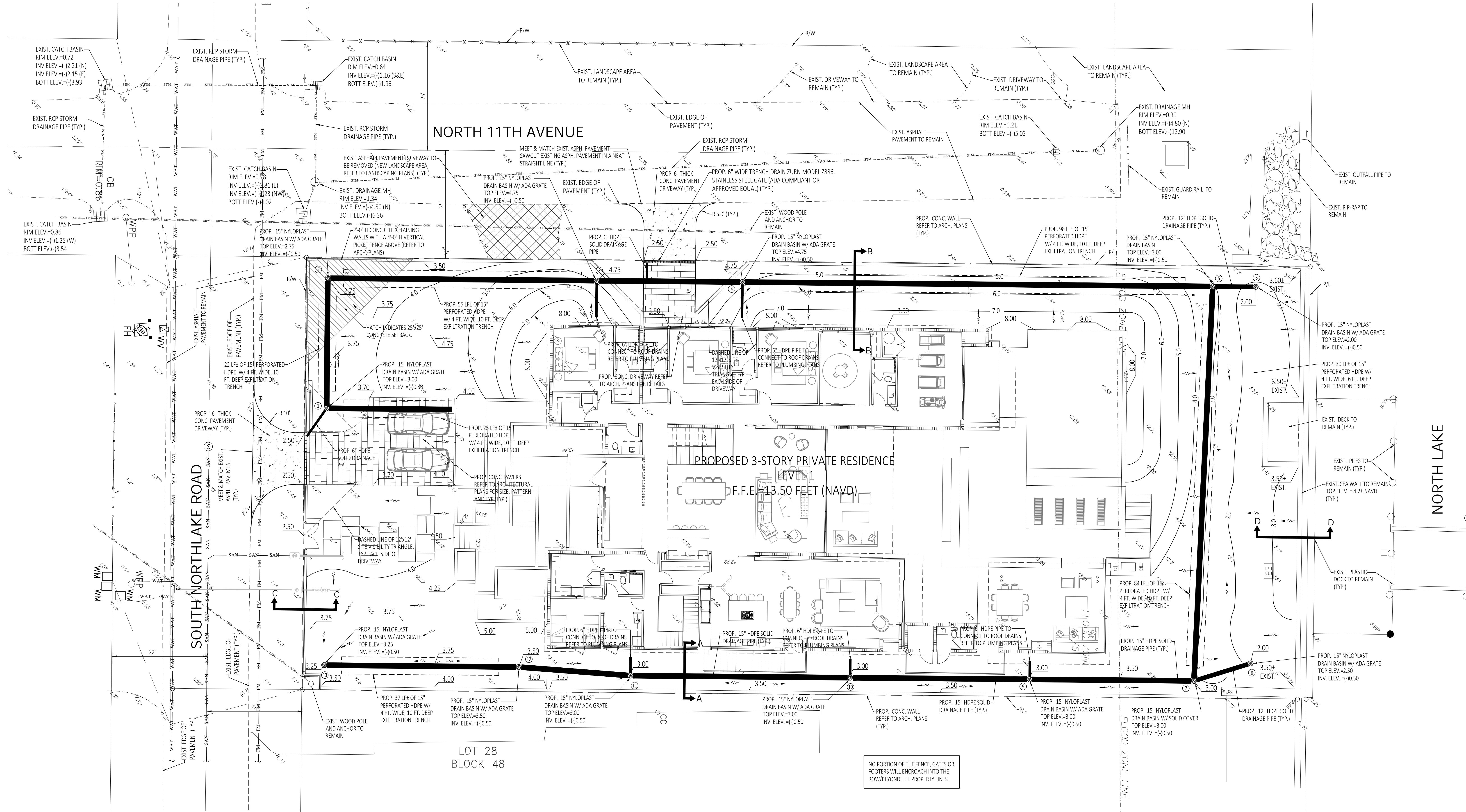
Checked by:

NV

Sheet Number

CS-1

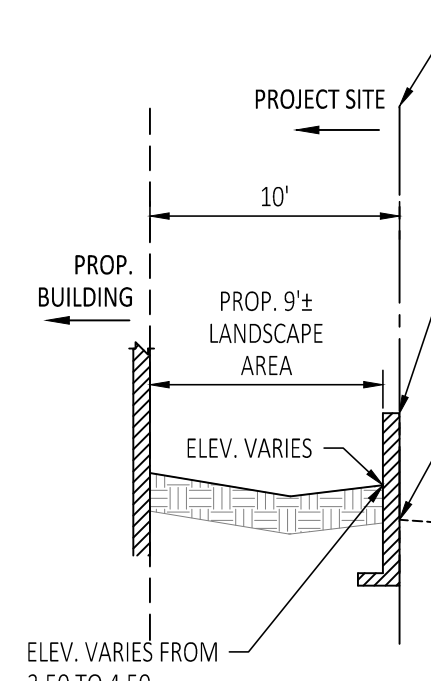
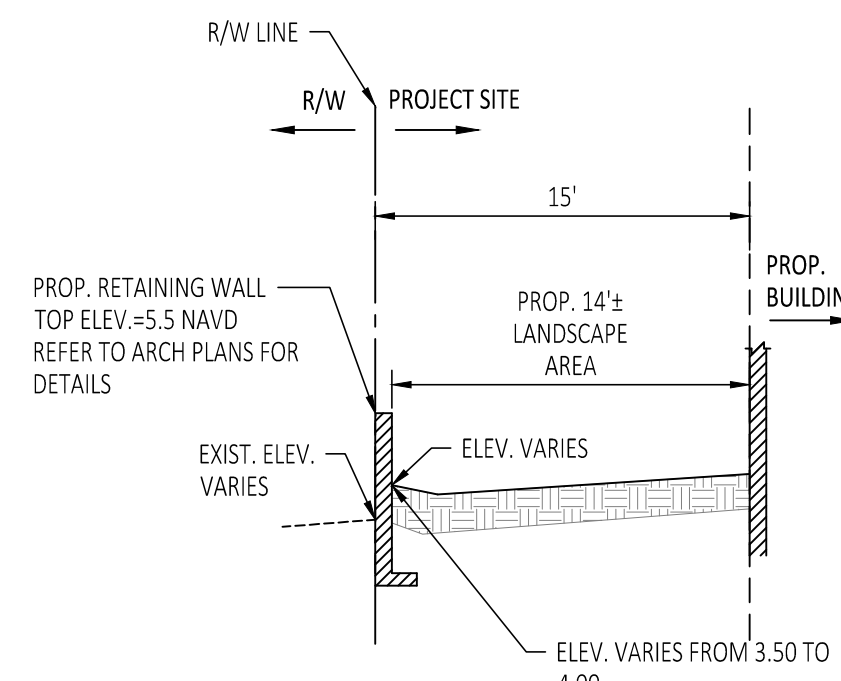
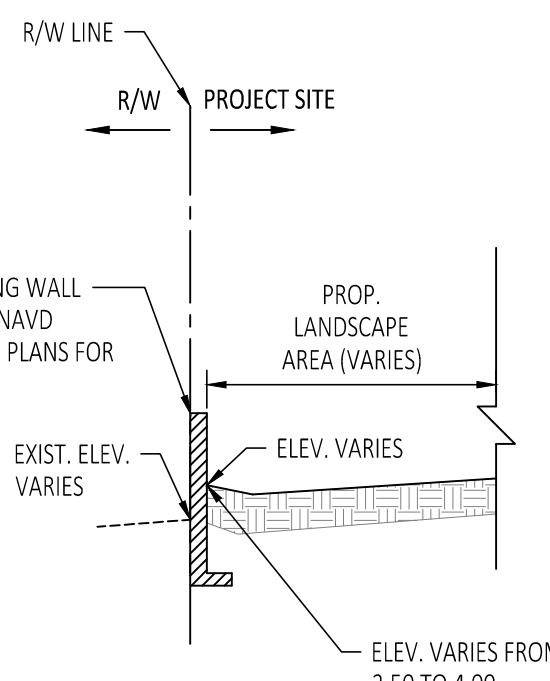
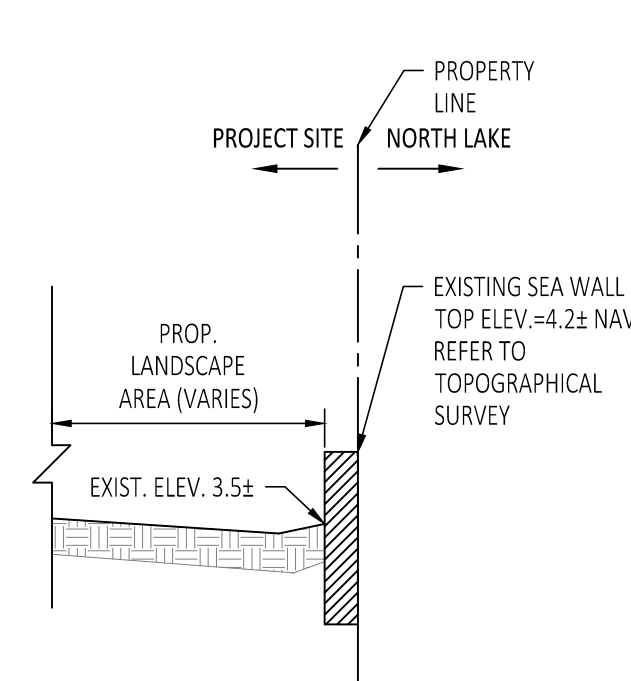


**LEGEND**

- 9.0 PROPOSED ELEVATION (NGVD)  
+10.00 EXISTING ELEVATION (NGVD)  
→ DIRECTION OF FLOW  
○ PROPOSED DRAIN BASIN  
--- PROPOSED FRENCH DRAIN  
--- EXIST. ASPHALT PAVEMENT TO BE REMOVED (PROP. LANDSCAPE AREA)  
--- PROP. ASPHALT PAVEMENT  
--- PROP. CONCRETE  
① PROPOSED STRUCTURE NUMBER  
--- 6.0 --- PROP. CONTOUR ELEVATION

**SITE DATA**

FLOOD ZONE FIRM MAP PANEL No. = 12011C0569J  
ZONE "AE" DATED: 07-31-2024  
BASE FLOOD ELEVATION = 7.00 NAVD & 8.00 NAVD  
AVERAGE WET SEASON WATER ELEVATION = (+) 0.5 NAVD

TYPICAL SECTION A-A  
NOT TO SCALETYPICAL SECTION B-B  
NOT TO SCALETYPICAL SECTION C-C  
NOT TO SCALETYPICAL SECTION D-D  
NOT TO SCALE**Civil Engineers**

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Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

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Revision  
12/12/24 CODE COMMENTS

Project Number

24-004

Date

10/08/24

Sheet Title

Level 1 Paving, Grading  
and Drainage Plan

Drawn by

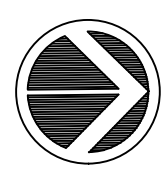
NV

Checked by

NV

Sheet Number

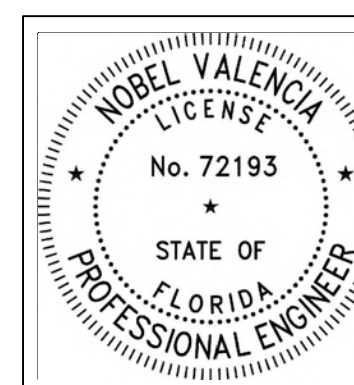
CS-2



NORTH

**LEVEL 1 PAVING, GRADING & DRAINAGE PLAN**

SCALE: 1" = 10'



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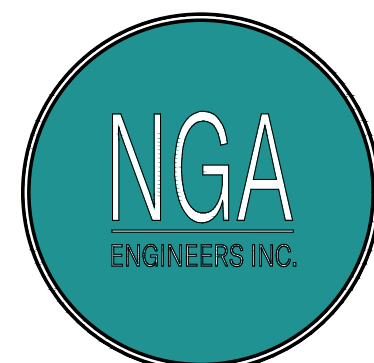
12/16/2024

**ENGINEER'S CERTIFICATION:**

I HEREBY CERTIFY: That 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  
STANDARDS FOR DESIGN, CONSTRUCTION AND  
MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted  
by the State of Florida Legislature, Chapter 72-328 F.S.







Civil Engineers

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TEL: (305) 200 6701  
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12/12/24 CODE COMMENTSProject Number  
24-004Date  
10/08/24

Sheet Title

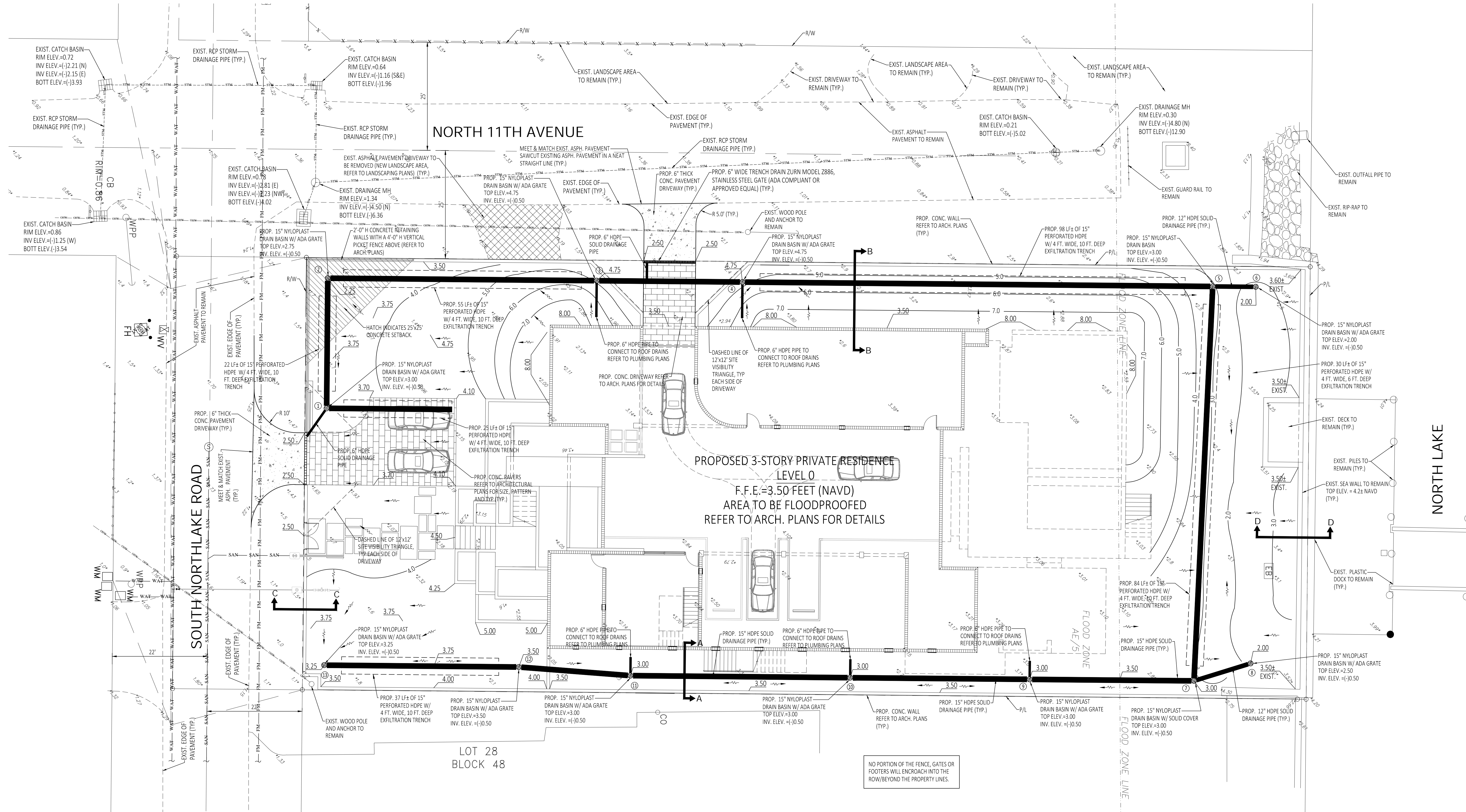
Level 0 Paving, Grading  
and Drainage Plan

Drawn by: NV

Checked by: NV

Sheet Number

CS-2.1



## LEGEND

- 9.0 PROPOSED ELEVATION (NGVD)  
10.00 EXISTING ELEVATION (NGVD)  
DIRECTION OF FLOW  
PROPOSED DRAIN BASIN  
PROPOSED FRENCH DRAIN  
EXIST. ASPHALT PAVEMENT TO BE REMOVED (PROP. LANDSCAPE AREA)  
PROP. ASPHALT PAVEMENT  
PROP. CONCRETE  
PROPOSED STRUCTURE NUMBER  
6.0 PROP. CONTOUR ELEVATION

## SITE DATA

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ZONE "AE" DATED: 07-31-2024  
BASE FLOOD ELEVATION = 7.00 NAVD & 8.00 NAVD  
AVERAGE WET SEASON WATER ELEVATION = (+) 0.5 NAVD

NORTH

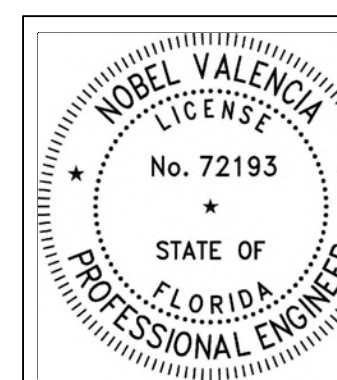
## LEVEL 0 PAVING, GRADING &amp; DRAINAGE PLAN

SCALE: 1" = 10'

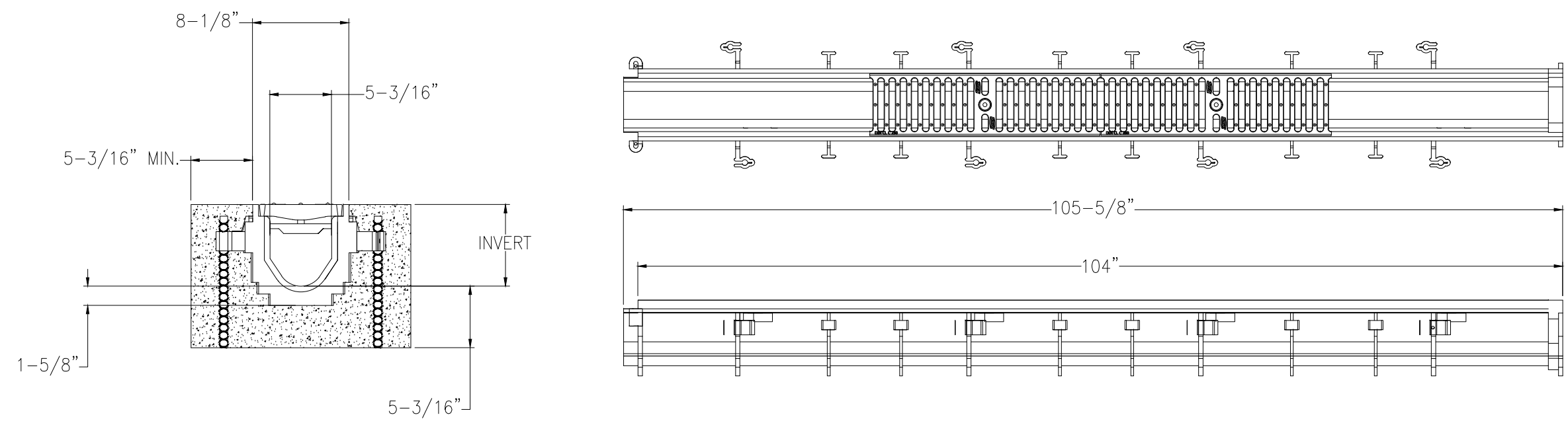
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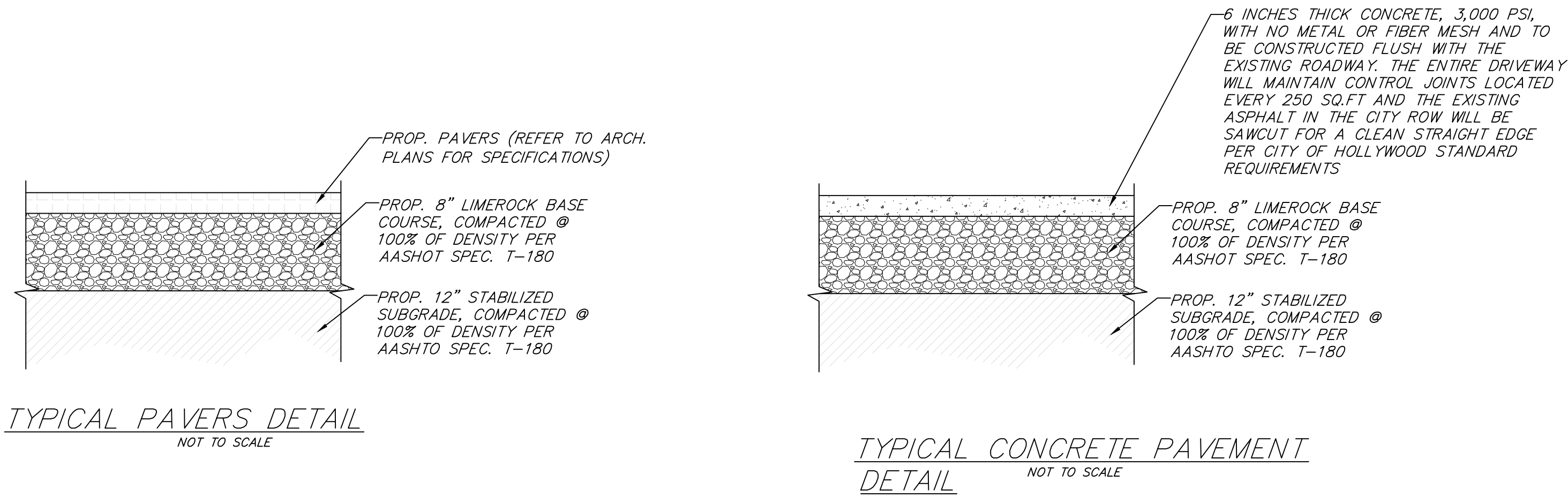
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LINEAR 6" TRENCH DRAIN ZURN Z-866 (ON SITE)  
NOT TO SCALE



TYPICAL PAVERS DETAIL  
NOT TO SCALE

TYPICAL CONCRETE PAVEMENT  
DETAIL  
NOT TO SCALE

**NYLOPLAST DRAIN BASIN WITH ADD-A-BRANCH**

PIPE SIZE	PART #	MIN. BASIN SIZE
4"	600AG	8"
6"	600AG	10"
8"	600AG	12"
10"	6010AG	15"
12"	6012AG	18"
15"	6015AG	24"
4"	6004AG_30	SPEC. TO 30" & 36"
6"	6006AG_30	SPEC. TO 30" & 36"
8"	6008AG_30	SPEC. TO 30" & 36"
10"	6010AG_30	SPEC. TO 30" & 36"
12"	6012AG_30	SPEC. TO 30" & 36"
15"	6015AG_30	SPEC. TO 30" & 36"
18"	6018AG_30	SPEC. TO 30" & 36"
24"	6024AG_36	SPEC. TO 36"

① VARIOUS TYPES OF INLET & OUTLET ADD-A-BRANCH ADAPTERS AVAILABLE: 4" - 24" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADSHANCOR SINGLE WALL), PVC SEWER (EX: SDR 35), & PVC DWV (EX: SCH 40)

② INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

③ ADAPTER ANGLES VARIABLE 0° - 30° ACCORDING TO PLANS

ADD-A-BRANCH GASKET (SOIL TIGHT JOINT); ENLARGED TO SHOW DETAIL

④ WATER TIGHT JOINT (CORRUGATED HDPE SHOWN)

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

1 - ADD-A-BRANCH (PATENT NO. 6349938) AVAILABLE FOR ALL 8" - 36" STRUCTURE OPTIONS (CUSTOM BASIN, ROAD & HIGHWAY, & CURB INLET)  
2 - FRAMES, GRATES, COVERS, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATES  
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-005  
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2321 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) & PVC SEWER (4" - 24")  
5 - ADD-A-BRANCH ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 300°. TO DETERMINE MINIMUM ANGLE BETWEEN ADD-A-BRANCH ADAPTERS SEE DRAWING NO. 0110-110-005

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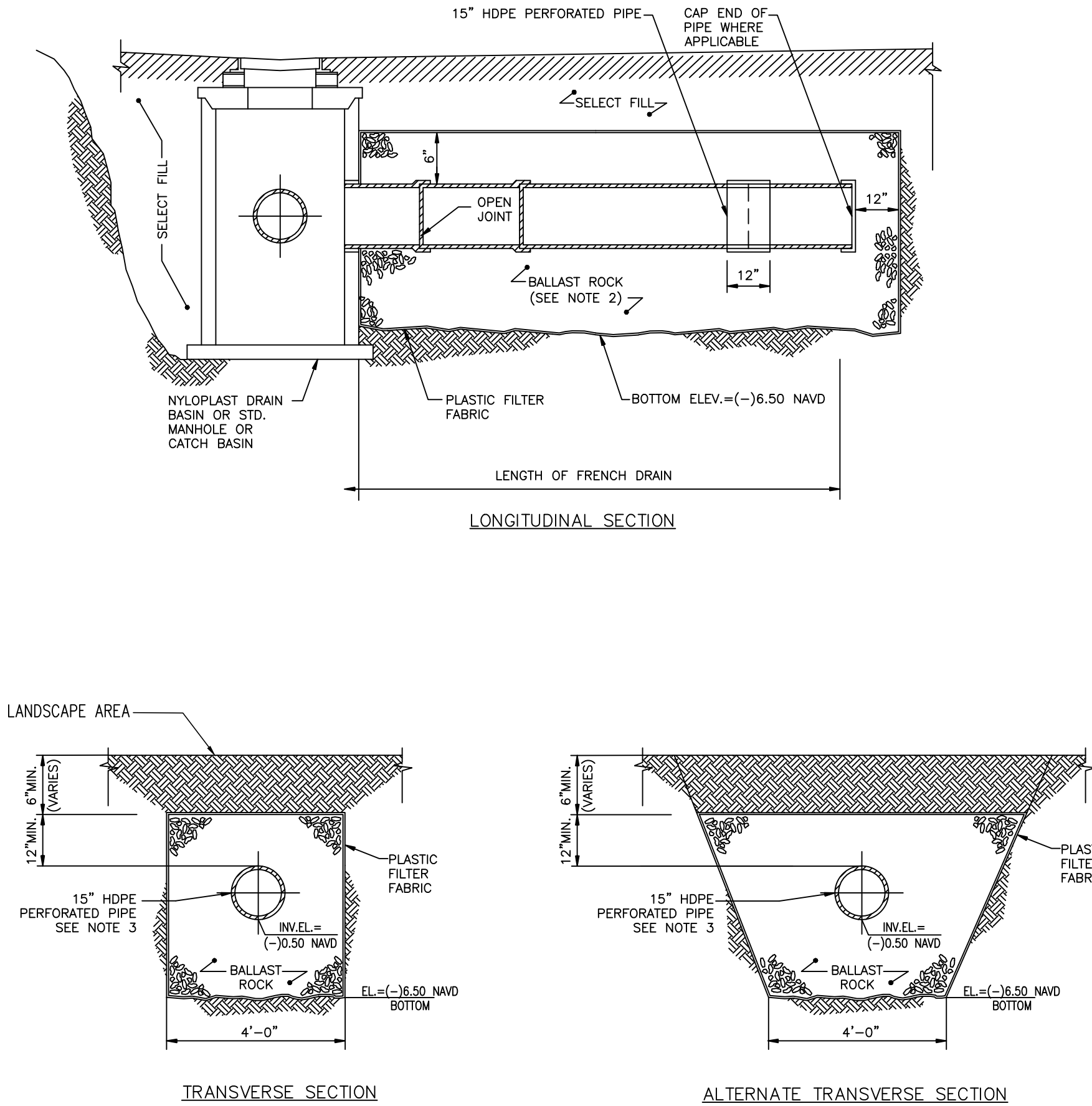
DRAWN BY	EBC	MATERIAL
DATE	5-9-06	
REVISED BY	NMH	PROJECT NO./NAME
DATE	12-4-19	
DWG SIZE	A	SCALE 1:25 SHEET 1 OF 1

**ADS**  
Nyloplast

3130 VERONA AVE  
BUFORD, GA 30518  
PHN (770) 932-2443  
FAX (770) 932-2480  
www.nyloplast-us.com

**TITLE**  
DRAIN BASIN WITH ADD-A-BRANCH  
QUICK SPEC INSTALLATION DETAIL

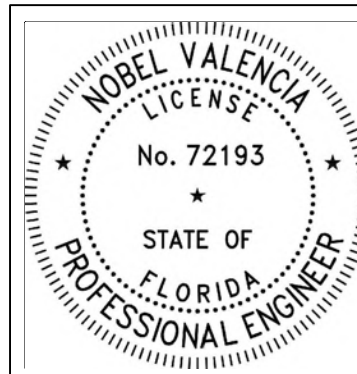
DWG NO. 0110-110-009 REV F



- NOTES:
1. PLASTIC FILTER FABRIC (AT EACH SIDE, TOP AND BOTTOM) SHALL BE USED AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
  2. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
  3. FOR INVERT ELEVATIONS, SEE SHEET CS-2

TYPICAL EXFILTRATION TRENCH DETAIL  
NOT TO SCALE

PAVING & DRAINAGE DETAILS  
SCALE: AS SHOWN



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12/16/2024

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY: That 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 STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted by the State of Florida Legislature, Chapter 72-328 F.S.



Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

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Revision

Project Number 24-004

Date 10/08/24

Sheet Title Paving & Drainage Details

Drawn by NV

Checked by NV

Sheet Number

CS-3



City Stamps

**CLAD**

CARL LEVIN ARCHITECTURE + DESIGN  
3390 MARY STREET, SUITE 135  
CORONET GROVE, FL 33133  
305-442-3118 CARL@CLAD.COM

**2·id**  
INTERIORS

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

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Revision

Project Number  
24-004

Date  
10/08/24

Sheet Title  
Paving & Drainage  
Details

Drawn by: NV

Checked by: NV

Sheet Number

CS-3.1

GENERAL NOTES:

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



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

GENERAL NOTES (CONTINUED):

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



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

GENERAL NOTES (CONTINUED):

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



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 11/06/2017  
DRAWN: EAM  
APPROVED: XXX  
GENERAL NOTES  
(CONTINUED)  
DRAWING NO.  
G-00.2

GENERAL NOTES (CONTINUED):

40. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO UTILITY COMPANIES TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 811 OR 1-800-432-4770 (SUNSHINE ONE-CALL OF FLORIDA).
- 
41. WHEN PVC PIPE IS USED, A METALLIZED MARKER TAPE SHALL BE INSTALLED CONTINUOUSLY 18" ABOVE THE PIPE. THE MARKER TAPE SHOULD BE IMPRINTED WITH A WARNING THAT THERE IS BURIED PIPE BELOW. THE TAPE SHALL BE MAGNA TEC, AS MANUFACTURED BY THOR ENTERPRISES INC. OR APPROVED EQUAL.
  42. ALL CONNECTIONS TO EXISTING MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WATER CONNECTIONS SHALL BE METERED, AND THE COST OF WATER AND TEMPORARY METER SHALL BE BORNE BY THE CONTRACTOR.
  43. A COMPLETE AS-BUILT SURVEY SHALL BE ACCURATELY RECORDED OF THE UTILITY SYSTEM DURING CONSTRUCTION. AS-BUILT SURVEY SHALL BE SUBMITTED TO ECSO SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF PROJECT. THE COST OF SIGNED AND SEALED AS-BUILTS SHALL BE COVERED IN OVERALL BID. THE AS-BUILT SURVEY SHALL INCLUDE:
    - a. PLAN VIEW SHOWING THE HORIZONTAL LOCATIONS OF EACH MANHOLE, INLET, VALVE, FITTING, BEND AND HORIZONTAL PIPE DEFLECTIONS WITH COORDINATES AND IN REFERENCE TO A SURVEY BASELINE OR RIGHT-OF-WAY CENTERLINE.
    - b. THE PLAN VIEW SHALL ALSO SHOW SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERTS (GRAVITY MAINS) AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ALONG MAIN. THE PLAN VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
    - c. THE PLAN VIEW SHALL ALSO SHOW THE HORIZONTAL SEPARATION FROM UNDERGROUND UTILITIES IMMEDIATELY ADJACENT OR PARALLEL TO THE NEW MAIN.
    - d. PROFILE VIEW WITH SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERT (GRAVITY MAIN) AND OF THE FINISHED GRADE OR MANHOLE RIM DIRECTLY ABOVE THE MAIN AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ALONG THE MAIN. THE PROFILE VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
    - e. THE PROFILE VIEW SHALL SHOW ALL UNDERGROUND UTILITIES CROSSING THE NEW MAIN AND THE VERTICAL SEPARATION PROVIDED BETWEEN THAT UNDERGROUND UTILITY AND THE NEW MAIN.
    - f. ALL CADD FILES MUST BE CREATED FOLLOWING THE CITY OF HOLLYWOOD "SURVEY / AS-BUILT CAD DRAWING STANDARDS"



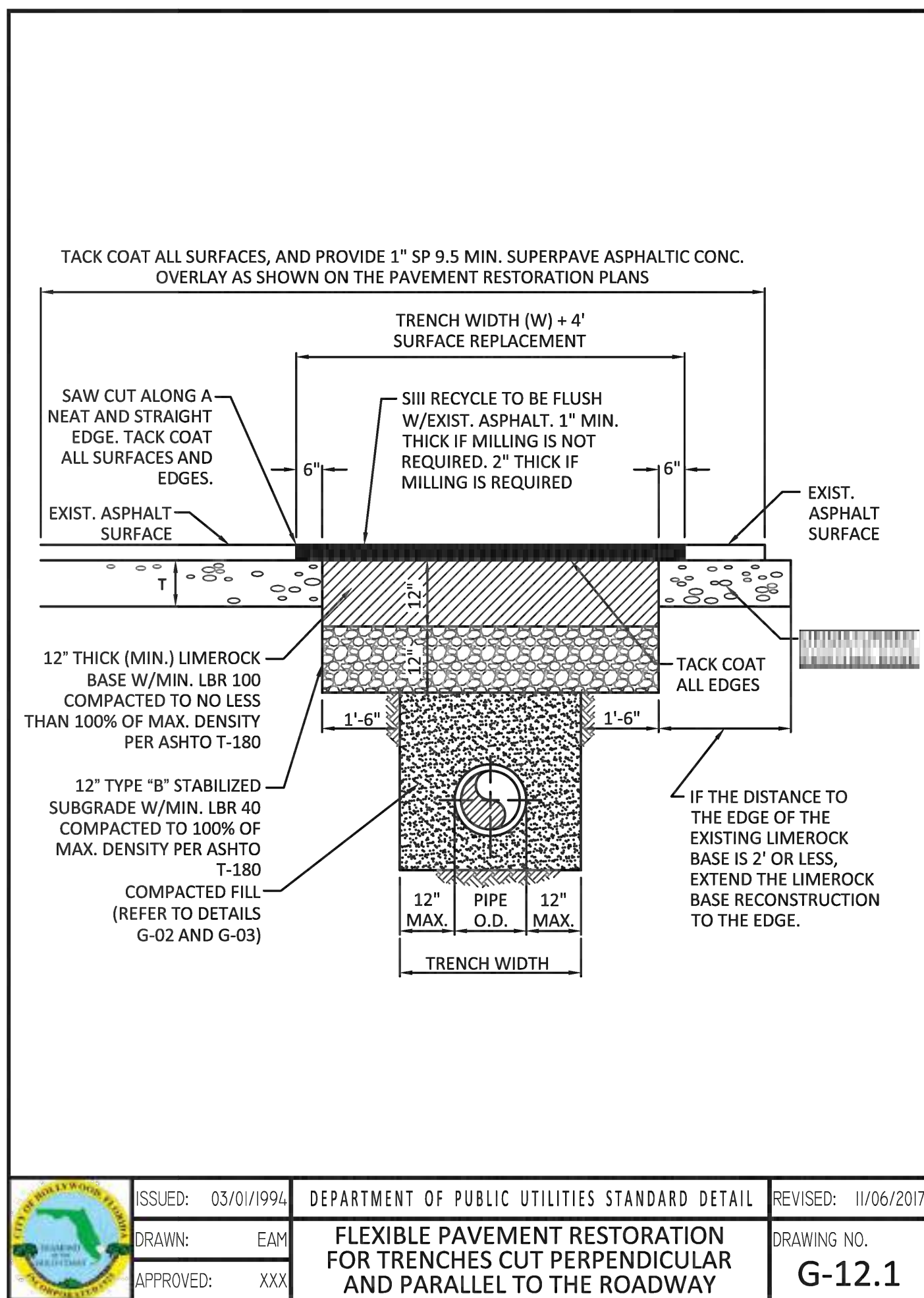
ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 11/06/2017  
DRAWN: EAM  
APPROVED: XXX  
GENERAL NOTES  
(CONTINUED)  
DRAWING NO.  
G-00.3

FLEXIBLE PAVEMENT RESTORATION NOTES:

1. THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY. FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES.
2. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%. REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK".
3. LIMEROCK BASE MATERIAL SHALL BE PLACED IN 12" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 100% OF MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
4. STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
5. BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
6. ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
7. RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS.
8. MILL AND BUTT JOINT TO EXISTING PAVEMENT.
9. IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
10. REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES.
11. WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK. REGARDLESS OF THE EXTENT OF IMPACT, THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER.



ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 11/06/2017  
DRAWN: EAM  
APPROVED: XXX  
FLEXIBLE PAVEMENT RESTORATION  
NOTES  
DRAWING NO.  
G-12



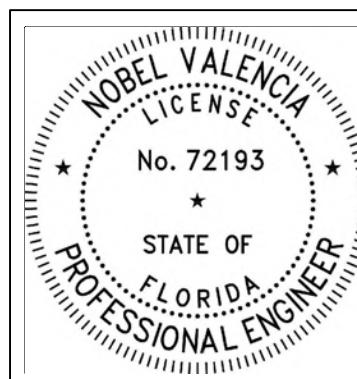
ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 11/06/2017  
DRAWN: EAM  
APPROVED: XXX  
FLEXIBLE PAVEMENT RESTORATION  
FOR TRENCHES CUT PERPENDICULAR  
AND PARALLEL TO THE ROADWAY  
DRAWING NO.  
G-12.1

PAVING & DRAINAGE DETAILS

SCALE: AS SHOWN



Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig!



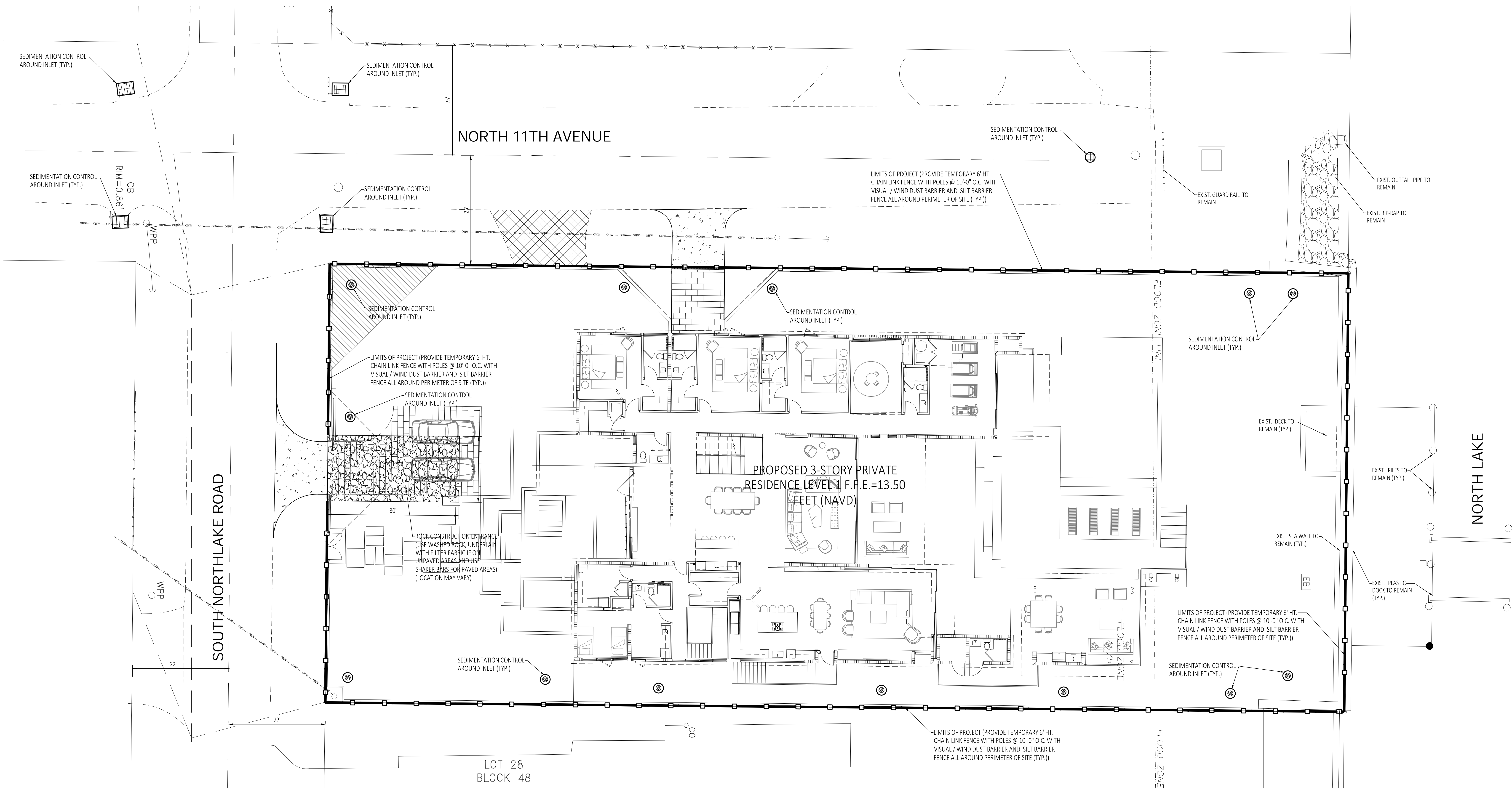
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12/16/2024

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY: That 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 STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted by the State of Florida Legislature, Chapter 72-328 F.S.



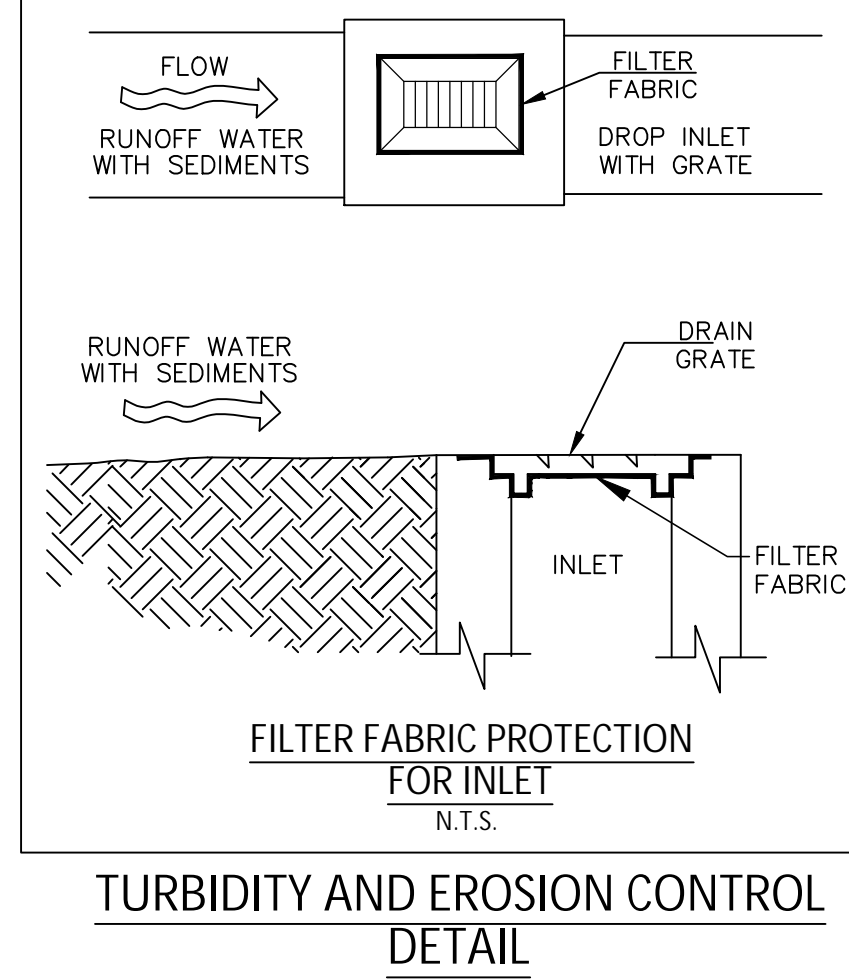
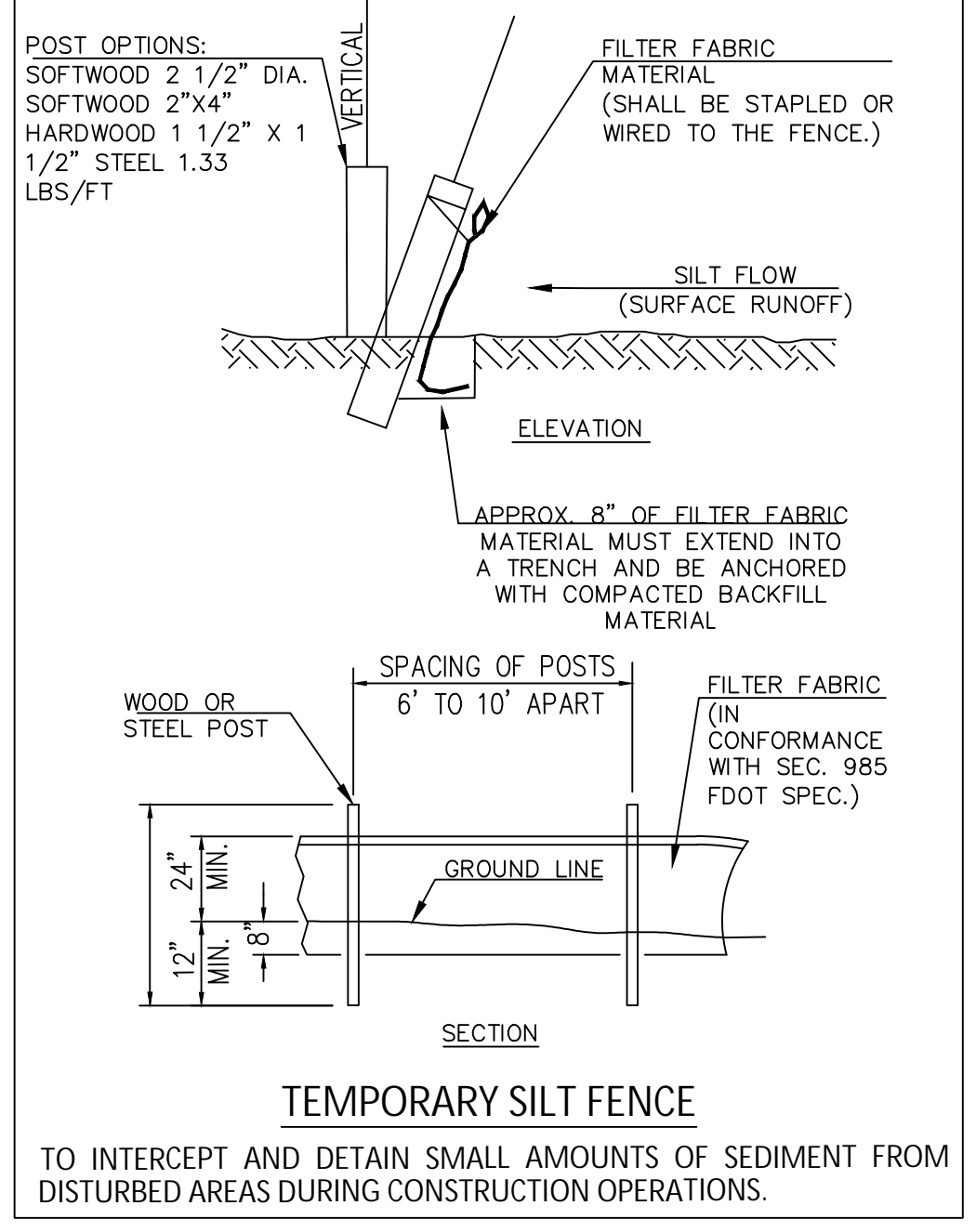


City Stamps

**CLAD**  
CARL LEVIN ARCHITECTURE + DESIGN  
3390 MARY STREET, SUITE 135  
CORONET GROVE, FL 33133  
305-442-3118 CARL@CLA-D.COM

**2·id**  
INTERIORS

**CONSTRUCTION DRAWINGS FOR A:**  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

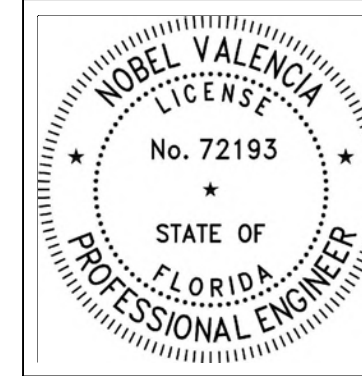


**GENERAL NOTES:**

- SILT FENCES SHALL BE PROVIDED AS SHOWN AROUND THE PROPERTY TO PREVENT CONSTRUCTION DEBRIS FROM WASHING OFF-SITE.
- FILTER FABRIC SHALL BE INSTALLED AT ALL NEW AND EXISTING INLETS DURING CONSTRUCTION.
- FOR ADDITIONAL STRENGTH FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6" (MAX.) MESH WIRE SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.
- THE FABRIC MATERIAL AND THE WIRE MESH SHALL NOT EXTEND MORE THAN 36" (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
- SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY IN THE AREAS WHICH HAVE BEEN STABILIZED.
- CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT COMPLETELY AND ARE WORKING PROPERLY AT THE TIME OF ACCEPTANCE.
- FILTER FABRIC SHALL BE LAID OUT UNDER THE GRATE OF EACH INLET, EXTENDING A MINIMUM OF ONE (1') FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED A MINIMUM OF ONE (1') FOOT.
- IF THE INLET FILTER BECOMES CLOGGED WITH SEDIMENT, SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE FILTER MUST BE REMOVED AND REPLACED.
- ALL BMP'S TO BE INSPECTED AT LEAST WEEKLY.
- FOR EXISTING TREES TO REMAIN, TO BE REMOVED AND TREE PROTECTION METHOD, SEE ARCHITECTURAL/LANDSCAPING PLANS.
- CONTRACTOR TO PROVIDE WASTE & MATERIAL STORAGE AREAS AND CONCRETE WASHOUT AREA.
- THE CONTRACTOR SHALL BE REQUIRED TO CONDUCT DAILY VISUAL INSPECTION OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES ALONG THE PROJECT. THE CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE THESE ITEMS AS NECESSARY.
- THE CONTRACTOR SHALL HIRE A PROFESSIONAL CIVIL ENGINEER REGISTERED IN THE STATE OF FLORIDA AT THE CONTRACTOR'S EXPENSE, AS AN INSPECTOR TO REVIEW ALL THE PROJECT'S TEMPORARY AND PERMANENT EROSION CONTROL MEASURES AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND/OR WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. A WRITTEN INSPECTION REPORT IS REQUIRED EVERY SEVEN (7) CALENDAR DAYS OR WITHIN 24 HOURS OF THE END OF A STORM THAT GENERATES 0.5 INCHES OR MORE OF RAIN.



**Civil Engineers**  
11231 SW 88th St.,  
Unit D-114,  
Miami, FL 33176.  
TEL: (305) 200 6001  
EMAIL: nobel@ngaengineers.com



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12/16/2024

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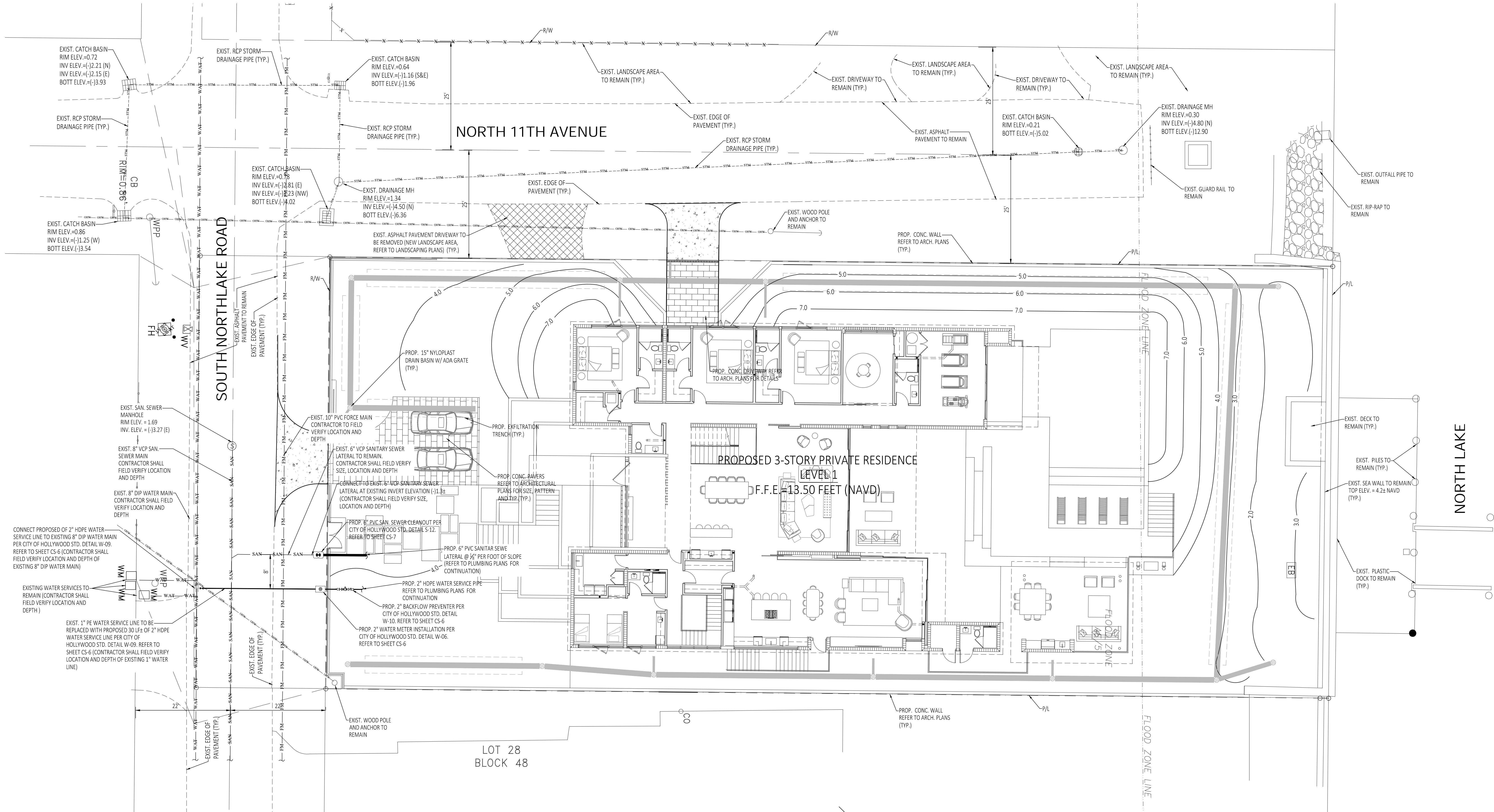


**STORM WATER POLLUTION PREVENTION PLAN**  
SCALE: 1" = 10'



Seal	
Nobel Valencia, PE No. 72193 Civil Engineer	
ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF CARL LEVIN, P.A. AND MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF CARL LEVIN, P.A. (c)2024	
Revision	CODE COMMENTS
12/12/24	
Project Number	
24-004	
Date	
10/08/24	
Sheet Title	
Storm Water Pollution Prevention Plan	
Drawn by:	NV
Checked by:	NV
Sheet Number	
CS-4	





**WATER & SEWER PLAN**  
SCALE: 1" = 10'

**LEGEND**

- PROPOSED WATER MAIN LINE
- PROPOSED SANITARY SEWER LINE
- PROP. WATER METER
- PROP. CLEAN OUT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING OVERHEAD LINE
- EXISTING DRAINAGE LINE
- EXISTING SEWER MANHOLE

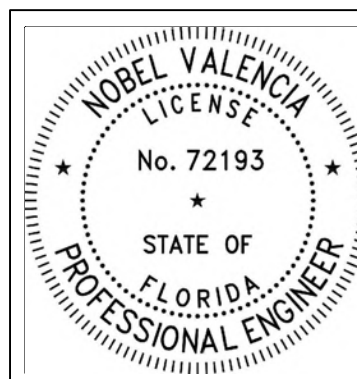
**SITE DATA**

FLOOD ZONE FIRM MAP PANEL No. = 12011C0569J  
ZONE "AE" DATED: 07-31-2024  
BASE FLOOD ELEVATION = 7.00 NAVD & 8.00 NAVD  
AVERAGE WET SEASON WATER ELEVATION = (+) 0.5 NAVD



**Civil Engineers**

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Miami, FL 33176.  
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12/16/2024

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**CONSTRUCTION DRAWINGS FOR A:**

**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

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Revision  
12/12/24 CODE COMMENTS

Project Number  
24-004

Date  
10/08/24

Sheet Title  
Water & Sewer Plan

Drawn by: NV

Checked by: NV

Sheet Number

CS-5



WATER SYSTEM NOTES:

- NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE.
- NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
- AT ALL UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE, OR THE PIPES WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. (FAC 62-555.314(2); EXCEPTIONS ALLOWED UNDER FAC 62-555.314(5)).
- NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON PIPE (D.I.P.) WHEN CROSSING BELOW SANITARY SEWER MAINS.
- POLYETHYLENE ENCASEMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE, FITTINGS, VALVES, RODS, AND APPURTENANCES IN ACCORDANCE WITH AWWA C105, METHOD A. THE POLYETHYLENE TUBING SHALL BE CUT TWO FEET LONGER THAN THE PIPE SECTION AND SHALL OVERLAP THE ENDS OF THE PIPE BY ONE FOOT. THE POLYETHYLENE TUBING SHALL BE GATHERED AND TAPPED TO PROVIDE A SNUG FIT AND SHALL BE SECURED AT QUARTER POINTS WITH POLYETHYLENE TAPE. EACH END OF THE POLYETHYLENE TUBING SHALL BE SECURED WITH A WRAP OF POLYETHYLENE TAPE.
- THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND BEDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATERTIGHT ENCLOSURE. DAMAGED POLYETHYLENE TUBING SHALL BE REPAIRED IN A WORKMANLIKE MANNER USING POLYETHYLENE TAPE, OR THE DAMAGED SECTION SHALL BE REPLACED. POLY WRAP WILL NOT BE PAID FOR AS A SEPARATE BID ITEM. IT SHALL BE CONSIDERED TO BE A PART OF THE PRICE BID FOR WATER MAINS.
- FIRE HYDRANT BARRELS SHALL BE ENCASED IN POLY WRAP UP TO THE GROUND SURFACE AND THE WEEP HOLES SHALL NOT BE COVERED BY THE POLY WRAP.
- GATE VALVES FOR USE WITH PIPE LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE RATED FOR TWO HUNDRED (200) PSI WORKING PRESSURE, NON-SHOCK, BLOCK PATTERN, SCREWED BONNET, NON-RISEING STEM, BRASS BODY, AND SOLID WEDGE. THEY SHALL BE STANDARD THREADED FOR PVC PIPE AND HAVE A MALLEABLE IRON HANDWHEEL. GATE VALVES 3" THROUGH 16" IN DIAMETER SHALL BE RESIDENT SEAT AND BIDIRECTIONAL FLOW ONLY. VALVES FOR SPECIAL APPLICATIONS WILL REQUIRE CITY UTILITY APPROVAL.
- VALVE BOXES AND COVERS FOR ALL SIZE VALVES SHALL BE OF CAST IRON CONSTRUCTION AND ADJUSTABLE SCREW-ON TYPE. THE LID SHALL HAVE CAST IN THE METAL THE WORD "WATER" FOR THE WATER LINES. ALL VALVE BOXES SHALL BE SIX INCH (6") NOMINAL DIAMETER AND SHALL BE SUITABLE FOR DEPTHS OF THE PARTICULAR VALVE. THE STEM OF THE BURIED VALVE SHALL BE WITHIN TWENTY-FOUR INCHES (24") OF THE FINISHED GRADE UNLESS OTHERWISE APPROVED BY THE CITY.
- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.



ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
WATER SYSTEM NOTES  
REVISD: 06/08/2014  
DRAWING NO.  
W-01

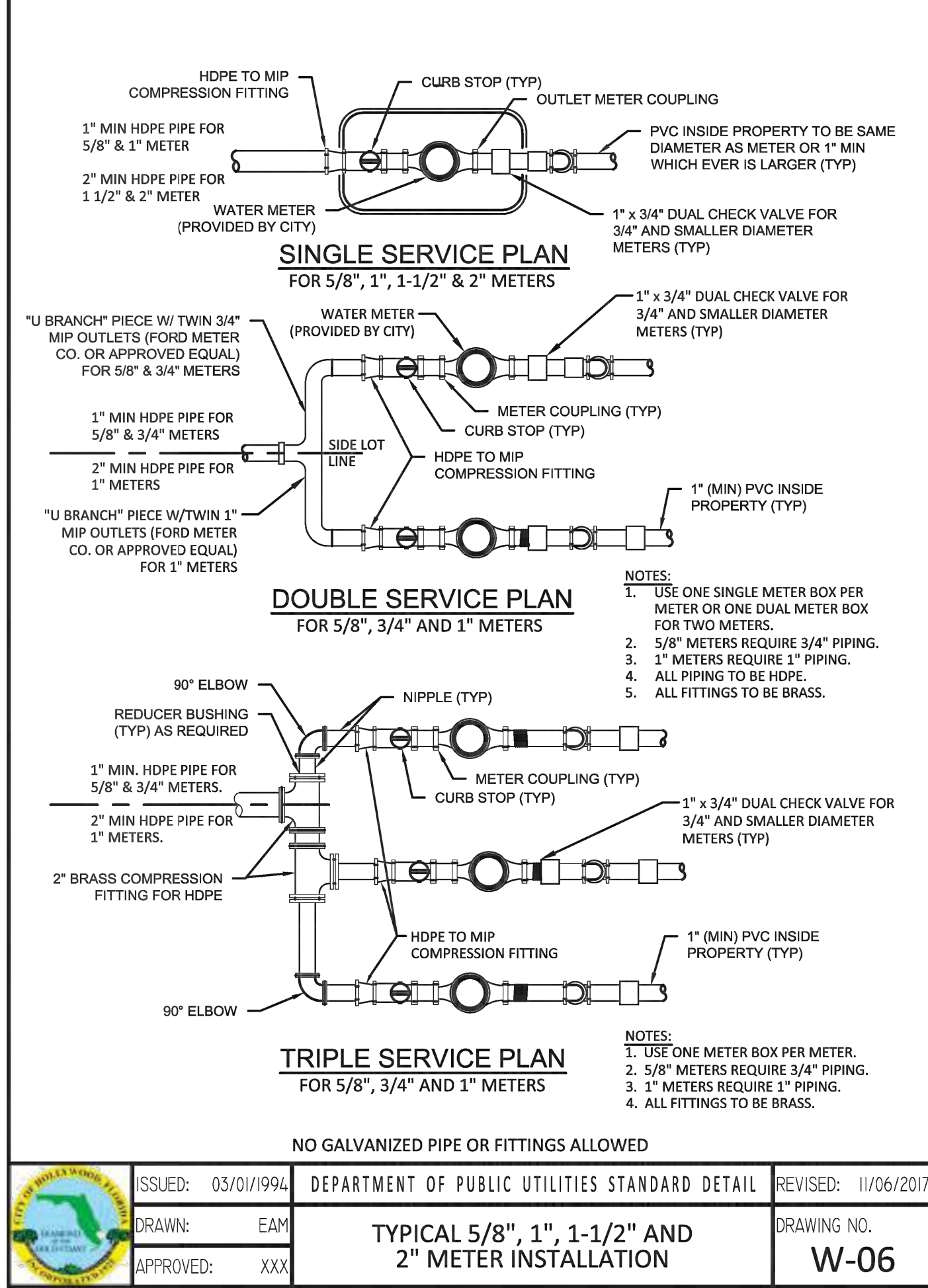
WATER SYSTEM NOTES (CONTINUED):

- ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 F.A.C.
- ALL PVC PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C900 LATEST REVISION AND CLASS DR 18. ALL DIP WATER MAINS SHALL BE DUCTILE IRON PRESSURE CLASS 350, WITH WALL THICKNESS COMPLYING WITH CLASS 52. ALL DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C151/A21.51-02 AND BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21.4-03.
- FITTINGS SHALL BE DUCTILE IRON, MEETING ANSI/AWWA C153/A21.53-00 SPECIFICATIONS, WITH 350 PSI MINIMUM WORKING PRESSURE. FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21.4-03. ALL DUCTILE IRON PIPE AND FITTINGS MUST BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
- ALL DUCTILE IRON PIPE TO BE MECHANICAL JOINTS, WRAPPED IN POLY. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY DESIGN.
- PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY.
- ALL TRENCHING, PIPE LAYING, BACKFILL, PRESSURE TESTING, AND DISINFECTING MUST COMPLY WITH THE CITY OF HOLLYWOOD SPECIFICATIONS.
- THE MINIMUM DEPTH OF COVER OVER WATER MAINS IS 30" (DIP) OR 36" (PVC).
- MINIMUM HORIZONTAL SEPARATION BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 3'.
- MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 50% OF MANUFACTURES RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH WATER MAINS PLACED AT MINIMUM COVER. IN CASE OF CONFLICT, WATER MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 18" MINIMUM VERTICAL SEPARATION. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.
- PIPE JOINT RESTRAINT SHALL BE PROVIDED BY THE USE OF DUCTILE IRON FOLLOWER GLANDS MANUFACTURED TO ASTM A 536-80. TWIST-OFF NUTS SHALL BE USED TO ENSURE PROPER ACTUATING OF THE RESTRAINING DEVICES. THE MECHANICAL JOINT RESTRAINING DEVICES SHALL HAVE A WORKING PRESSURE OF 250 PSI MINIMUM, WITH A MINIMUM SAFETY FACTOR OF 2-1, AND SHALL BE EBAA IRON INC., MEGALUG OR APPROVED EQUAL JOINT RESTRAINTS SHALL BE PROVIDED AT A MINIMUM OF THREE JOINTS (60 FEET) FROM ANY FITTING.
- WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE THE SIDES OF A TRENCH, THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING OR BRACING AS MAY BE NECESSARY TO SUPPORT THE SIDES OF THE EXCAVATION TO ENSURE PERSONNEL SAFETY, AND TO PREVENT MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SEQUENCE, METHODS AND MEANS OF CONSTRUCTION, AND FOR THE IMPLEMENTATION OF ALL OSHA AND OTHER SAFETY REQUIREMENTS.



ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
WATER SYSTEM NOTES  
REVISD: 06/08/2014  
DRAWING NO.  
W-02



ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
TYPICAL 5/8", 1", 1-1/2" AND 2" METER INSTALLATION  
REVISD: 11/06/2017  
DRAWING NO.  
W-06

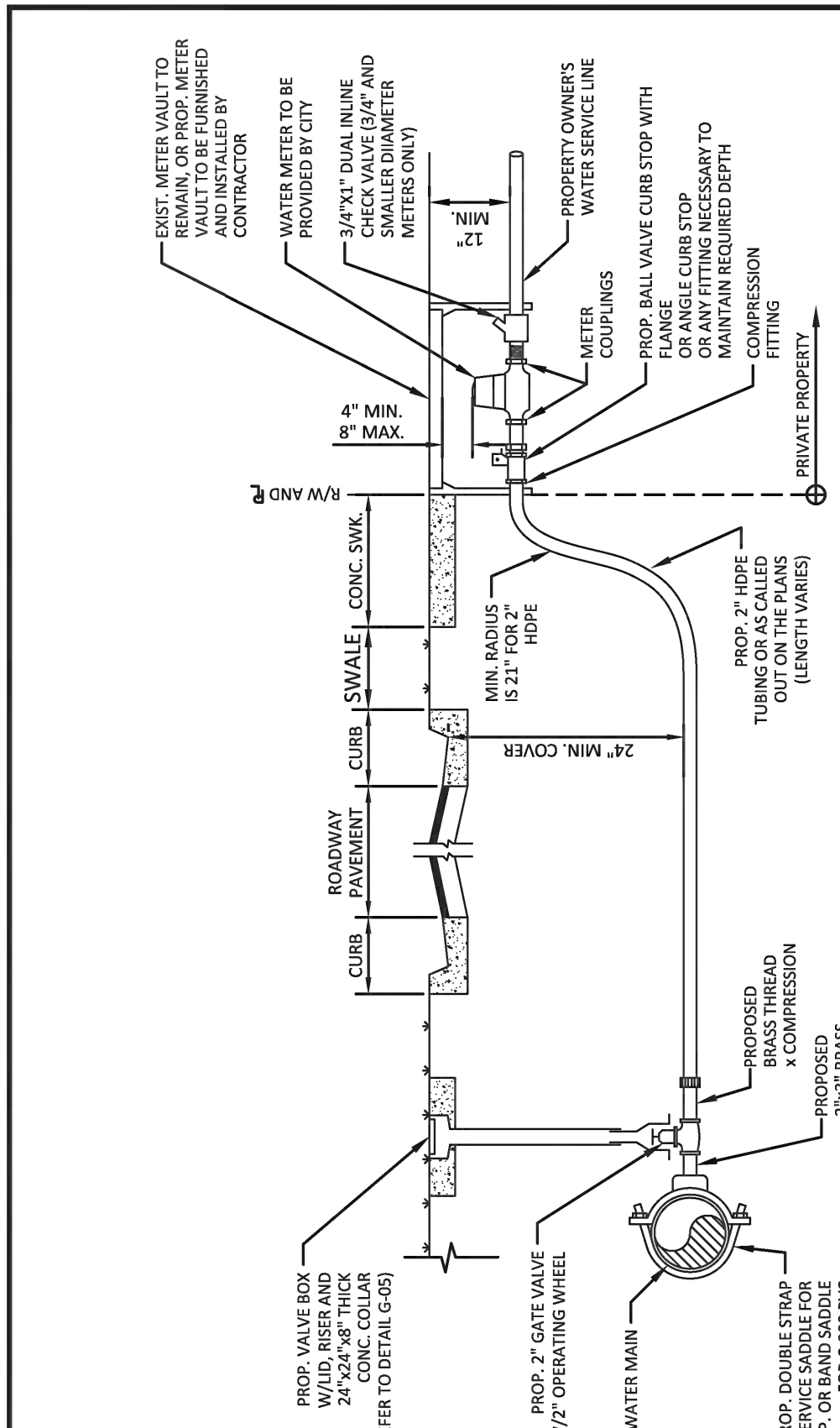
WATER METER SERVICE NOTES:

- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED NOT LESS THAN 18" ON CENTER.
- P.E. TUBING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C901, "POLYETHYLENE (PE) PRESSURE PIPE AND TUBING, 1/2 IN. (13mm) THROUGH 3 IN. (76 mm), FOR WATER SERVICE".
- MINIMUM SERVICE PIPE DIAMETER SHALL BE 1" FOR SINGLE OR DUAL 1/2" OR SINGLE 1" DIAMETER METERS.
- MINIMUM SERVICE PIPE DIAMETER SHALL BE 2" FOR SINGLE OR DUAL 1-1/2" OR SINGLE 2" DIAMETER METERS.
- FOR METER DIAMETERS LARGER THAN 2", THE MINIMUM SERVICE PIPE DIAMETER SHALL BE THE SAME AS THE METER DIAMETER.
- APPROVED COPPER TUBING MAY BE USED AT THE CITY'S DISCRETION.
- FOR NEW METER INSTALLATIONS, ALL SADDLES, VALVES, PIPING, FITTINGS, CURB STOPS, METER VALVES, METER COUPLINGS, METER VAULTS AND COVERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE WATER METERS WILL BE PROVIDED AND INSTALLED BY THE CITY OF HOLLYWOOD (NEW ACCOUNTS).
- FOR METER RELOCATIONS, ALL SADDLES, VALVES, PIPING, FITTINGS, CURB STOPS, METER VALVES, METER COUPLINGS, METER VAULTS AND COVERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE EXISTING WATER METER TO BE RELOCATED AND INSTALLED BY CONTRACTOR.
- FOR EXISTING METERS ABUTTING THE RIGHT-OF-WAY THAT ARE BEING DISCONNECTED FROM EXISTING MAINS AND RECONNECTED TO NEW MAINS, THE CONTRACTOR SHALL:
  - CUT AND PLUG THE EXISTING SERVICE LINE AT THE MAIN AND AT THE METER, AND REMOVE THE EXISTING BALL VALVE CURB STOP.
  - FURNISH AND INSTALL SERVICE SADDLE, CORPORATION STOP OR SERVICE VALVE AND VALVE BOX, PIPING AND FITTINGS UP TO AND INCLUDING THE BALL VALVE CURB STOP.
- THE ELEVATION AT THE TOP OF THE METER BOX SHALL MATCH THE ELEVATION OF THE BACK OF SIDEWALK, WHENEVER PRACTICAL.
- AS PART OF THE SERVICE INSTALLATION, THE CONTRACTOR SHALL RESTORE THE RIGHT-OF-WAY TO MATCH EXISTING CONDITIONS, INCLUDING ROADWAY PAVEMENT, PAVEMENT MARKINGS AND RPMs, CONCRETE CURBS, SIDEWALKS, RAMPS (INCLUDING DETECTABLE WARNING SURFACE), SODDING, AND ALL OTHER IMPROVEMENTS REMOVED OR DAMAGED DURING THE SERVICE INSTALLATION.
- FOR UNPAVED AREAS, THE MINIMUM GROUND COVER ACCEPTED BY THE CITY IS SODDING.



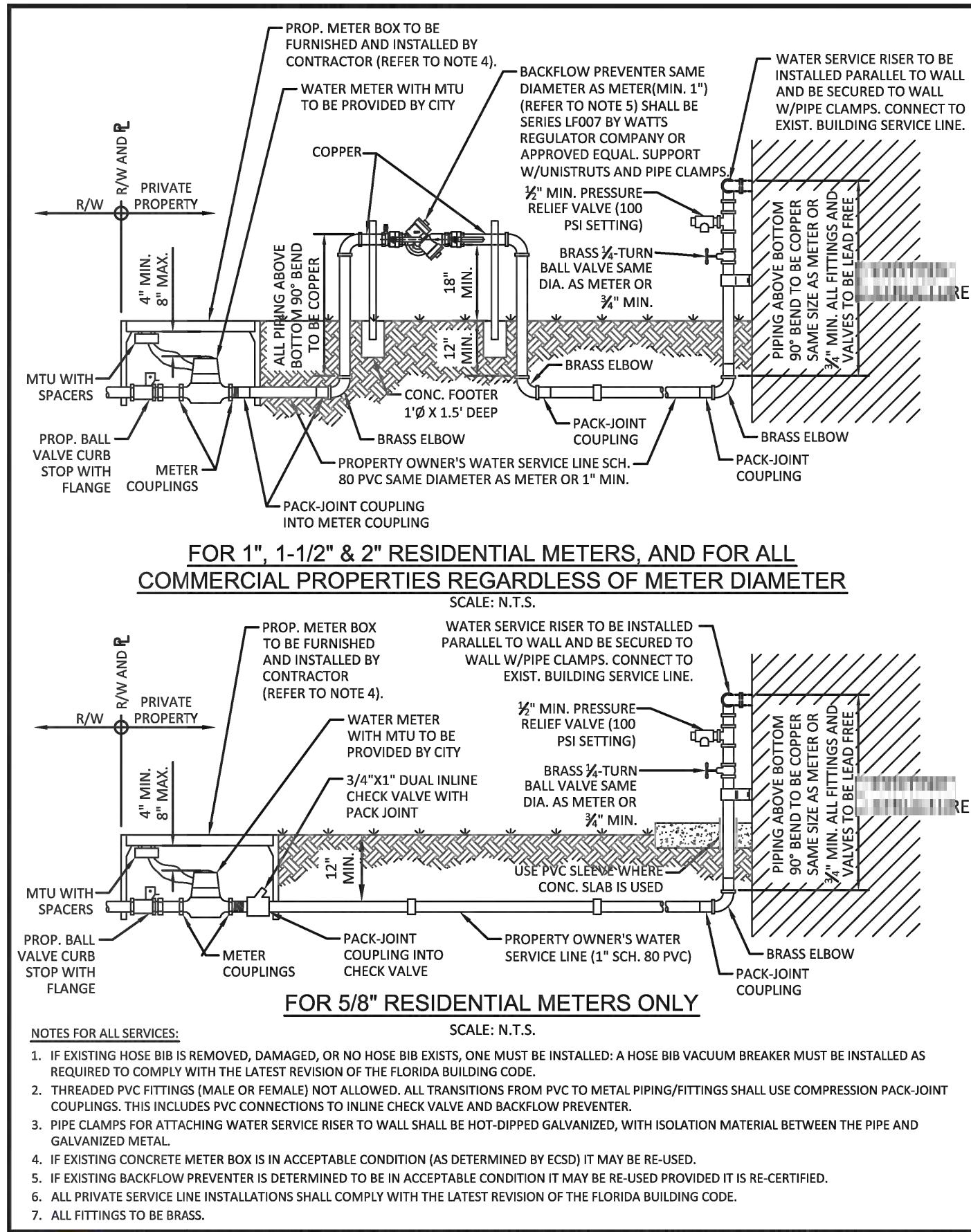
ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
WATER METER SERVICE NOTES FOR 5/8" THROUGH 2" METERS  
REVISD: 11/06/2017  
DRAWING NO.  
W-07



ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
TYPICAL 2-INCH HDPE WATER SERVICE FOR SINGLE/DUAL 5/8" TO 1" METERS, AND ANY SINGLE 1-1/2" TO 2" METERS  
REVISD: 11/06/2017  
DRAWING NO.  
W-09



ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
TYPICAL WATER SERVICE FROM METER TO STRUCTURE FOR 5/8" THROUGH 2" METERS  
REVISD: 02/14/2018  
DRAWING NO.  
W-10

WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314			
OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1), (4)	JOINT SPACING @ CROSSING (FULL JOINT CENTERED) (8)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)			Alternate 3 ft minimum
GRAVITY SANITARY SEWER, (3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER			Alternate 6 ft minimum
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft minimum		

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



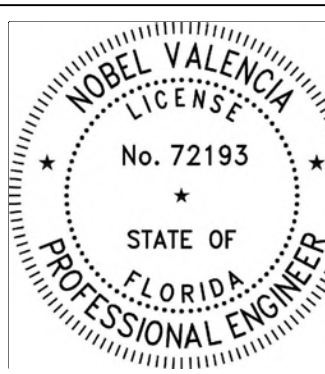
ISSUED: 03/01/1994  
DRAWN: EAM  
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL  
SEPARATION REQUIREMENTS OF F.D.E.P.  
REVISD: 11/06/2017  
DRAWING NO.  
G-01.1



Civil Engineers

11231 SW 88th St.,  
Unit D-114,  
Miami, FL 33176  
TEL: (305) 200 6701  
EMAIL: nobel@ngaengineers.com



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY NOBEL VALENCIA, P.E., ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

12/16/2024

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY: That 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 STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted by the State of Florida Legislature, Chapter 72-328 F.S.

WATER & SEWER DETAILS

SCALE: AS SHOWN

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019

Seal	
Nobel Valencia, PE No. 72193 Civil Engineer	
ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNREPRODUCED WORK OF CARL LEVIN, P.A. AND MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF CARL LEVIN, P.A. (c)2024	
Revision	
Project Number	24-004
Date	10/08/24
Sheet Title	Water & Sewer Details
Drawn by:	NV
Checked by:	NV
Sheet Number	

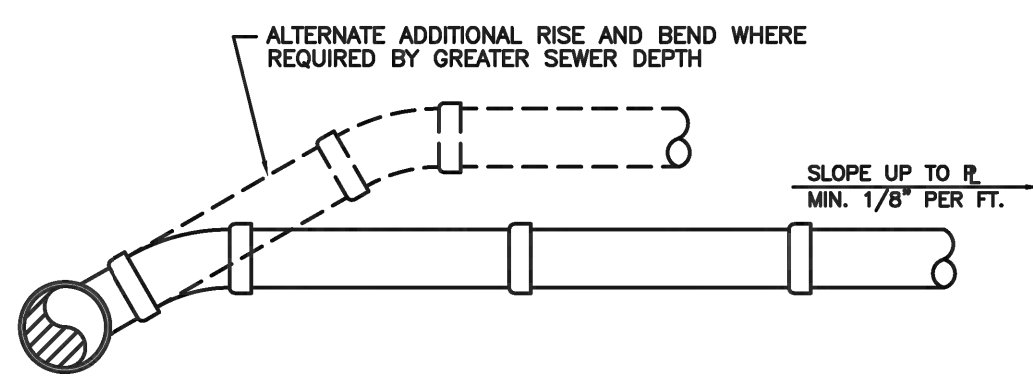
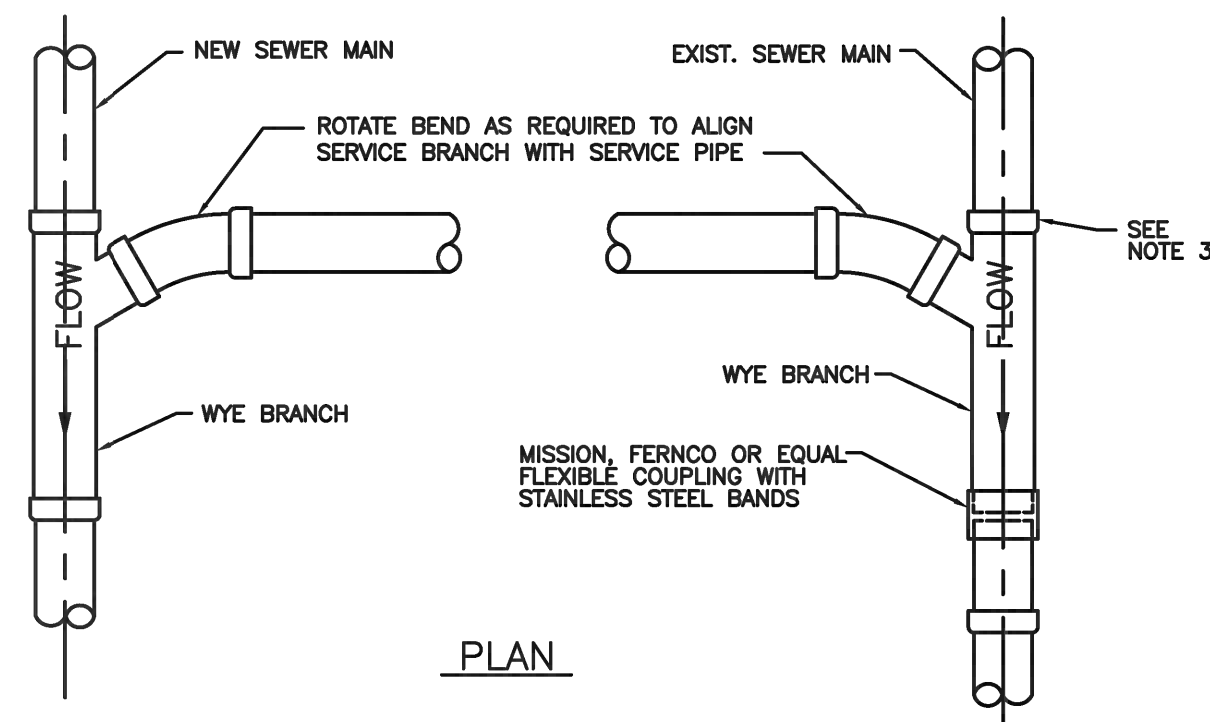


## SEWER NOTES:

1. THE MINIMUM DEPTH OF COVER OVER D.I.P. SANITARY SEWER GRAVITY OR FORCE MAINS IS 30". THE MINIMUM DEPTH OF COVER OVER PVC SANITARY SEWER OR FORCE MAINS IS 36".
2. ALL CONNECTIONS TO EXISTING MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. LEAKAGE TESTS AND ALIGNMENT (LAMPING) TESTS SHALL BE PERFORMED ON ALL NEW SEWER LINES UP TO THE CONNECTION POINT WITH THE EXISTING SEWER SYSTEM. THESE TESTS SHALL BE REQUESTED AND PAID FOR BY THE CONTRACTOR.
4. LAMPING TESTS SHALL BE PERFORMED ON GRAVITY SEWERS FROM MANHOLE TO MANHOLE UP TO AND INCLUDING THE POINT OF CONNECTION TO THE EXISTING SEWER SYSTEM.
5. LEAKAGE TESTS SHALL BE PERFORMED ON ALL SEGMENTS OF A GRAVITY SEWER SYSTEM, INCLUDING SERVICE LATERALS AND MANHOLES, FOR A CONTINUOUS PERIOD OF NO LESS THAN 2 HOURS. AT THE END OF THE TEST, THE TOTAL MEASURED LEAKAGE SHALL NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM, WITH ZERO ALLOWABLE LEAKAGE FOR LATERALS AND MANHOLES. AN EXFILTRATION OR INFILTRATION TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET ON THE SECTION BEING TESTED.
6. FORCE MAINS SHALL BE PRESSURE-TESTED IN ACCORDANCE WITH RULE 62-555.330 (FAC). THE PRESSURE TEST SHALL CONSIST OF HOLDING A TEST PRESSURE OF 150 PSI ON THE PIPELINE FOR A CONTINUOUS PERIOD OF 2 HOURS THE MAXIMUM ALLOWABLE LEAKAGE SHALL BE DETERMINED BY THE FOLLOWING FORMULA:  
$$L = 5 \times D \times \sqrt{P} \div 148,000$$

WHERE:  
L = ALLOWABLE LEAKAGE FOR SYSTEM IN GALLONS PER HOUR  
D = PIPE DIAMETER IN INCHES  
S = LENGTH OF LINES IN LINEAL FEET  
P = AVERAGE TEST PRESSURE IN PSI
7. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH FORCE MAINS PLACED AT MINIMUM COVER. IN CASE OF CONFLICT, FORCE MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 12" MINIMUM SEPARATION FROM WATER MAINS AND 6" MINIMUM SEPARATION FROM OTHER UTILITIES. NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON.
8. WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE THE SIDES OF A TRENCH, THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING OR BRACING AS MAY BE NECESSARY TO SUPPORT THE SIDES OF THE EXCAVATION TO ENSURE PERSONNEL SAFETY, AND TO PREVENT MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SEQUENCE, METHODS AND MEANS OF CONSTRUCTION, AND FOR THE IMPLEMENTATION OF ALL OSHA AND OTHER SAFETY REQUIREMENTS.


	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	SANITARY SEWER MAIN CONSTRUCTION NOTES		DRAWING NO. S-01
APPROVED: XXX			

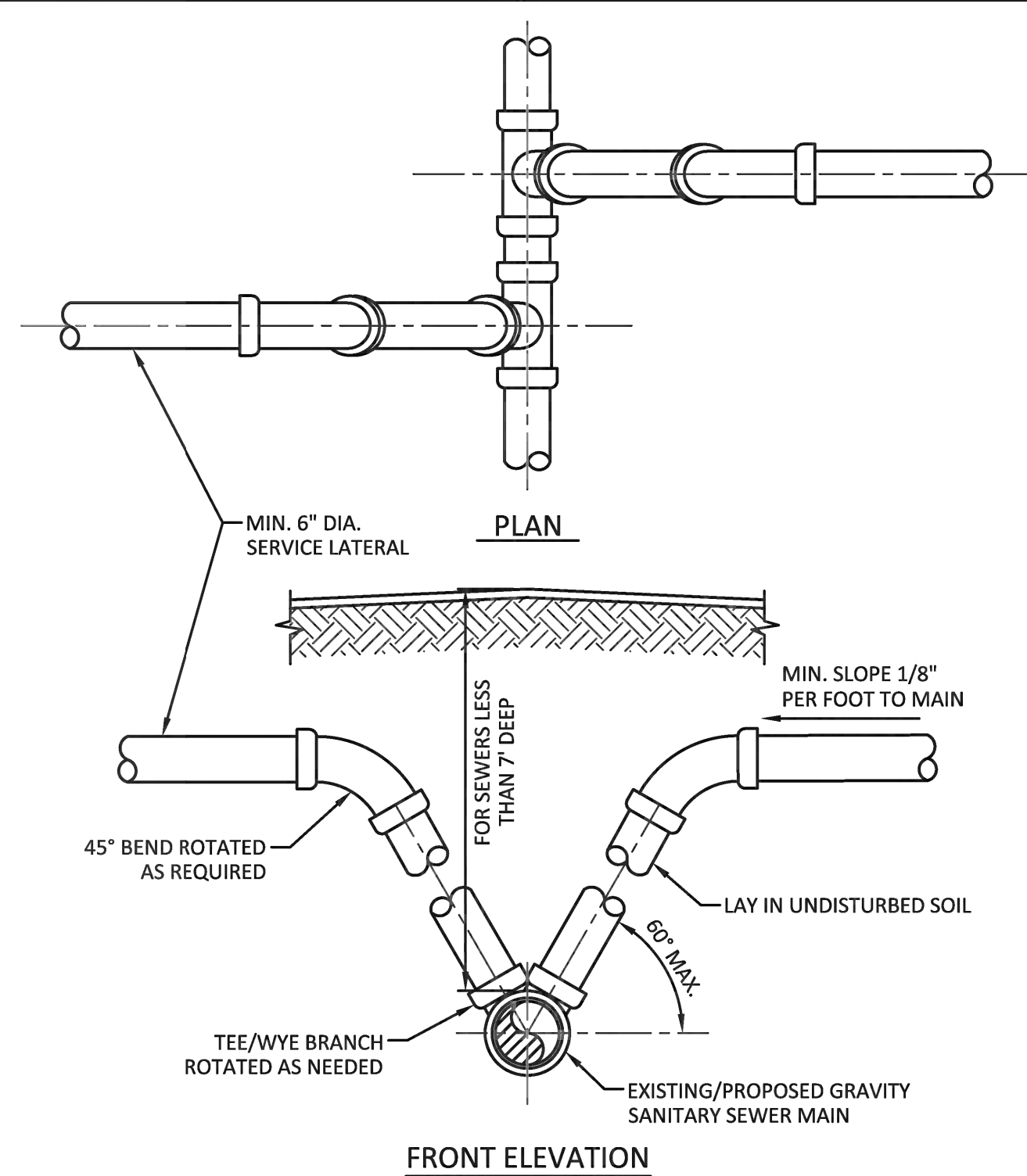


ELEVATION

## NOTES:

1. SINGLE SERVICE CONNECTIONS SHALL USE 6" PIPE AND FITTINGS.
2. USE RISER CONNECTIONS WHERE INVERT OF SEWER IS GREATER THAN 7'-0" DEEP.
3. WHERE BELL OF WYE AND SPIGOT OF EXISTING MAIN ARE NOT COMPATIBLE, USE A SECOND FLEXIBLE COUPLING.

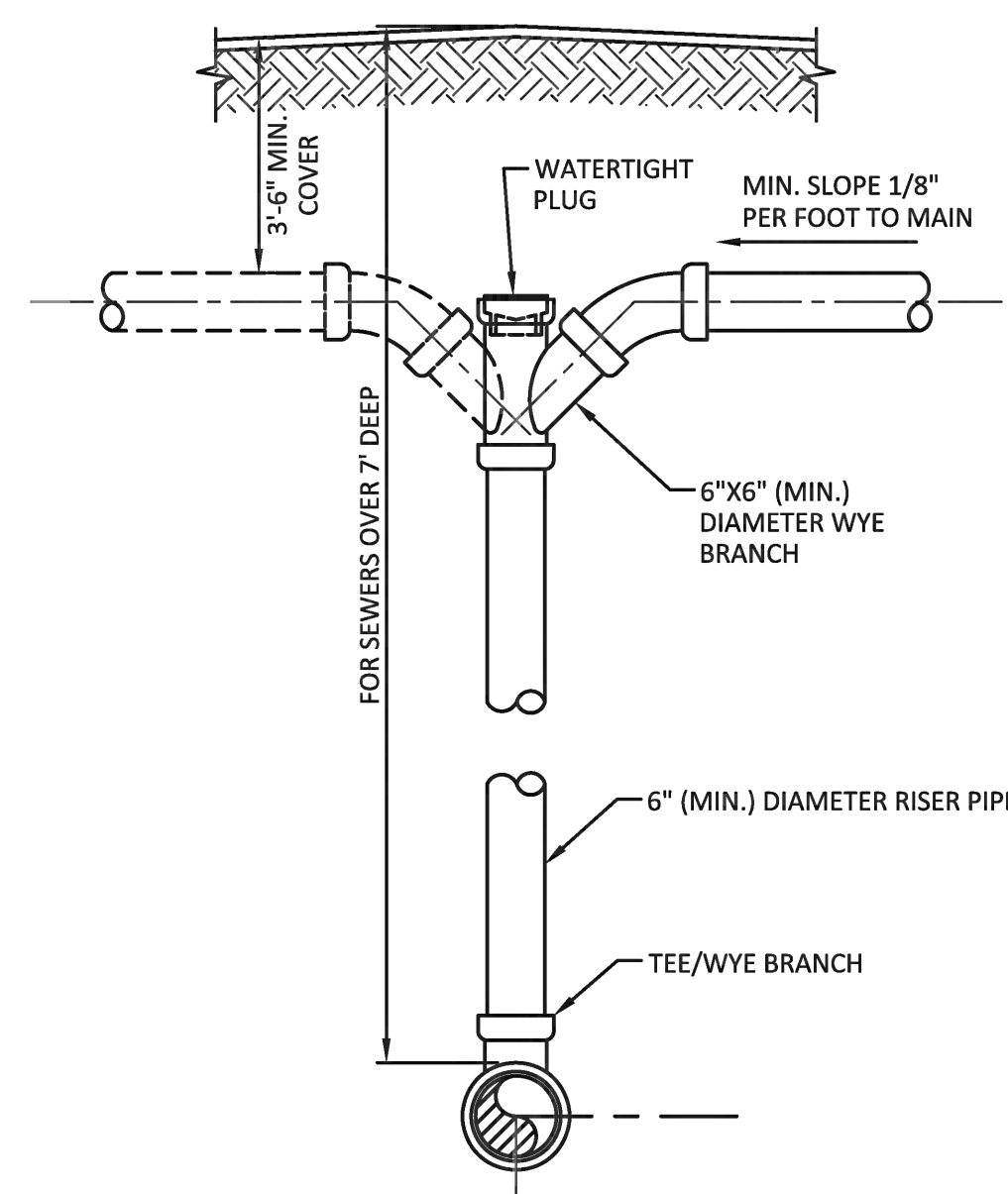
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	WYE BRANCH CONNECTION		DRAWING NO. S-09
APPROVED: XXX			



## NOTES:

1. MODIFIED RISER CONNECTION TO BE USED ONLY WHEN DIRECTED BY THE CITY.
2. NO. 57 ROCK OR 3/4" DRAINFIELD LIMEROCK MAY BE USED AS BEDDING OVER UNDISTURBED SOIL WITH PVC PIPE.
3. SINGLE SERVICE CONNECTIONS SHALL USE 6" (MIN.) DIAMETER PIPE AND FITTINGS.

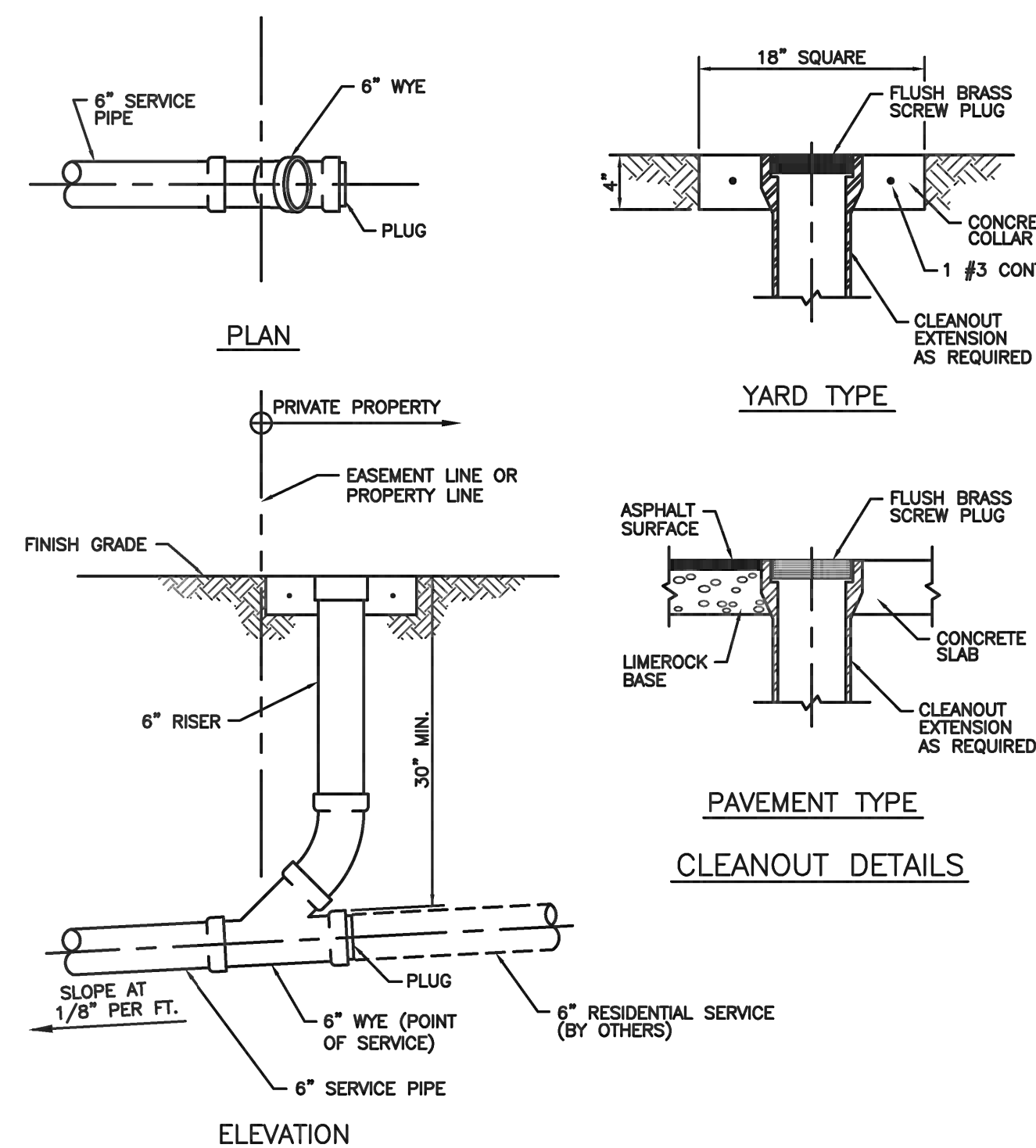
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	SANITARY SEWER LATERAL MODIFIED RISER		DRAWING NO. S-10
APPROVED: XXX			



## NOTES:

1. RISER CONNECTION TO BE USED ONLY WHEN SANITARY SEWER IS MORE THAN 7'-0" DEEP OR WHEN DIRECTED BY THE CITY.
2. NO. 57 ROCK OR 3/4" DRAINFIELD LIMEROCK MAY BE USED AS BEDDING OVER UNDISTURBED SOIL WITH PVC PIPE.
3. SINGLE SERVICE CONNECTIONS SHALL USE 6" (MIN.) DIAMETER PIPE AND FITTINGS.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	SANITARY SEWER LATERAL VERTICAL RISER		DRAWING NO. S-11
APPROVED: XXX			



SINGLE SERVICE CONNECTION

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	SEWER SERVICE CONNECTION AND CLEANOUT AT PROPERTY LINE		DRAWING NO. S-12
APPROVED: XXX			

## WATER &amp; SEWER DETAILS

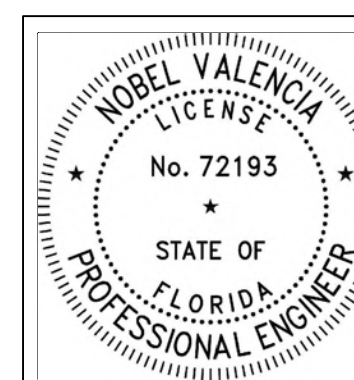
SCALE: AS SHOWN

CONSTRUCTION DRAWINGS FOR A:  
**PRIVATE RESIDENCE**  
1051 SOUTH NORTHLAKE DRIVE  
HOLLYWOOD, FL 33019



## Civil Engineers

11231 SW 88th St.,  
Unit D-114,  
Miami, FL 33176.  
TEL: (305) 200 6701  
EMAIL: nobel@ngaengineers.com



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12/16/2024

## ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY: That 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 STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS, AND HIGHWAYS", as adopted by the State of Florida Legislature, Chapter 72-328 F.S.

## Sunshine

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig!

Seal

Nobel Valencia, PE No. 72193  
Civil Engineer

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF CARL LEVIN, P.A. AND MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF CARL LEVIN, P.A. (c)2024

Revision

Project Number 24-004

Date 10/08/24

Sheet Title

Water &amp; Sewer Details

Drawn by: NV

Checked by: NV

Sheet Number

CS-7



PREPARED BY:  
Stacy G. Mager, Esq.  
SHROUDER, KARNS & MAGER, P.A.  
9700 Griffin Road, Cooper City, FL 33328  
(954) 329-0001  
File No.: 2024-4364

RETURN TO:  
Bared and Associates, P.A.  
201 Alhambra Circle  
Suite 601  
Coral Gables, FL 33134  
(305) 666-6010  
Parcel Identification No.: 51-42-14-01-8740

## WARRANTY DEED

(STATUTORY FORM – SECTION 689.02, F.S.)

**This indenture** effective the **26th day of April, 2024** between **Erich E. Veitenheimer, III a/k/a Erich E. Veitenheimer and Andrew Steven Cariaso, a married couple**, whose post office address is **925 N. Northlake Drive, Hollywood, FL 33019**, Grantors, to **Sarcoh Corp.**, a **Delaware Corporation**, whose post office address is **921 Diplomat Parkway, Hollywood, FL 33019**, Grantee:

**Witnesseth**, that said Grantors, for and in consideration of the sum of *Ten Dollars* (U.S. \$10.00) and other good and valuable considerations to said Grantors in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, situate, lying and being in Broward County, Florida, to-wit:

See attached Exhibit "A" for complete legal description

Parcel Identification No. 51-42-14-01-8740

Street Address: 1051 South Northlake Drive, Hollywood, FL 33019

**Together with** all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

**Subject to** taxes for current and subsequent years, not yet due and payable; covenants, restrictions, easements, reservations and limitations of record, if any.


**TO HAVE AND TO HOLD** the same in fee simple forever.


**And** Grantors hereby covenant with the Grantee that the Grantors are lawfully seized of said land in fee simple, that Grantors have good right and lawful authority to sell and convey said land and that the Grantors hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

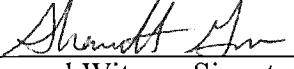


**In Witness Whereof**, Grantors have hereunto set Grantors' hand and seal the day and year first above written.

*Signed, sealed and delivered in our presence (witness as to both signatures):*

  
\_\_\_\_\_  
First Witness Signature  
Print Name: Stacy G Mager  
Address: 9700 Griffin Rd  
Cooper City FL 33328

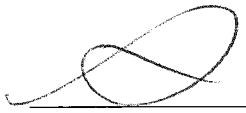
  
\_\_\_\_\_  
Erich E. Veitenheimer, III a/k/a Erich E.  
Veitenheimer

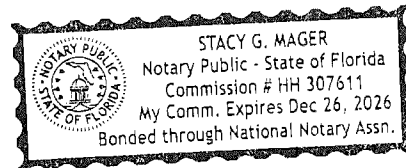
  
\_\_\_\_\_  
Second Witness Signature  
Print Name: Shannett Grant  
Address: 9700 Griffin Rd  
Cooper City FL 33328

  
\_\_\_\_\_  
Andrew Steven Carias

STATE OF FLORIDA  
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me by means of (✓) physical presence or ( ) online notarization this 24 day of April, 2024, by Erich E. Veitenheimer, III a/k/a Erich E. Veitenheimer and Andrew Steven Carias.

  
\_\_\_\_\_  
Signature of Notary Public  
Print, Type/Stamp Name of Notary



Personally Known: \_\_\_\_\_ OR Produced Identification: ✓  
Type of Identification  
Produced: DRIV LICENSE



10/03/24

City of Hollywood Planning Division  
2600 Hollywood Blvd  
Hollywood, Florida 33020

**RE: Private Residence  
1051 South Northlake Drive  
Hollywood, FL 33019**

To Whom it May Concern:

The following company was retained as the Public Noticing Agent for this project:

**RDR Miami**  
attn: Diana Rio  
305-498-1614  
diana@rdrmiami.com