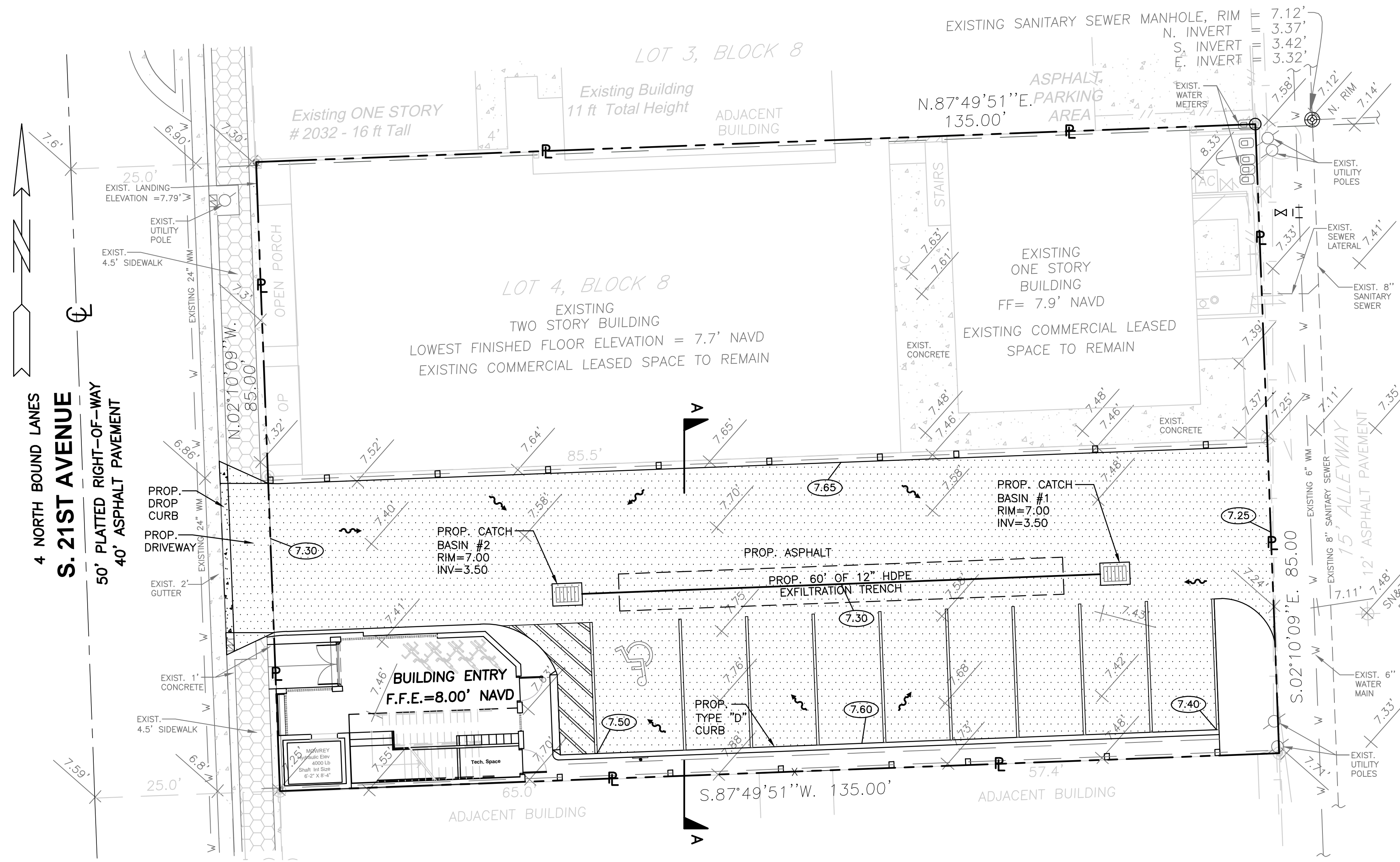


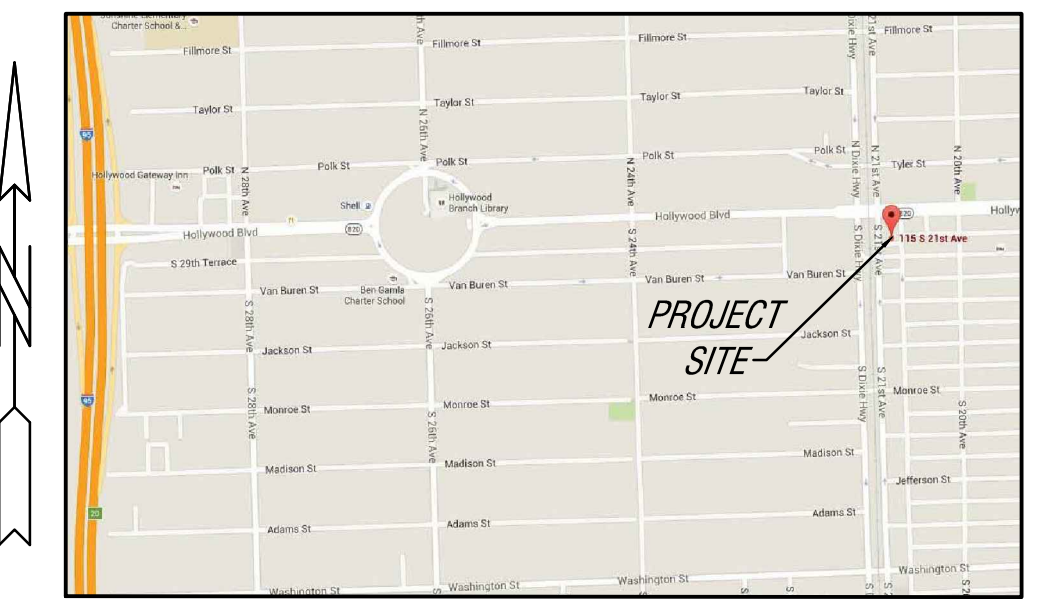
ELEVATIONS ARE BASED UPON N.A.V.D. 1988



ALL ASPHALT AREAS TO BE RE-GRADED AND SLOPED TOWARD DRAINAGE SYSTEM.

THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF DISCREPANCIES PRIOR TO BEGINNING WORK. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE UTILITY OWNER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

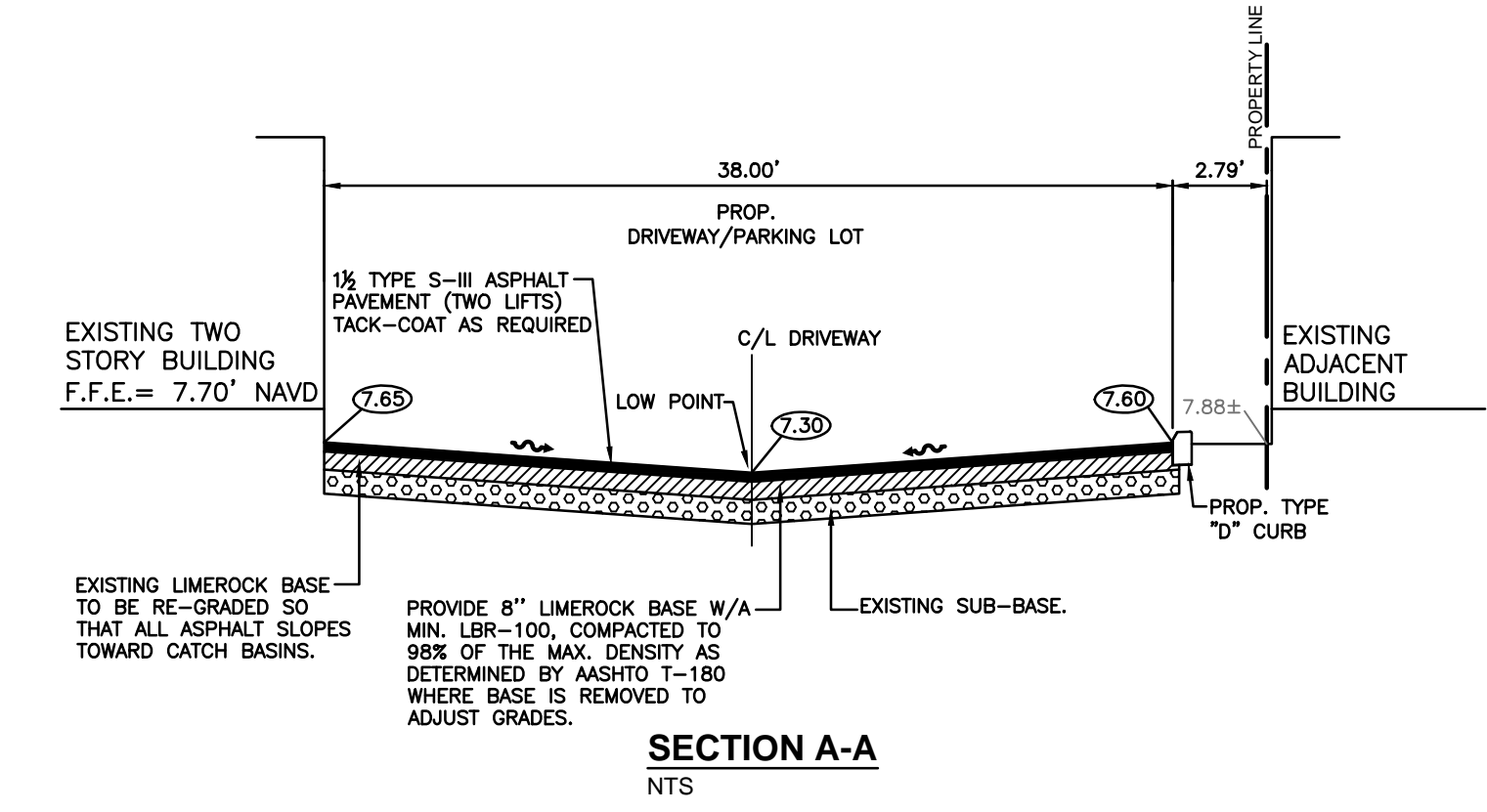
- NOTES:**
1. MAXIMUM SLOPE FOR HANDICAP PARKING SPACES & ACCESS AISLES TO BE 2%.
 2. CONTRACTOR RESPONSIBLE FOR ALL REQUIRED DEMOLITION & REMOVAL OF MATERIALS FROM THE SITE.
 3. CONTRACTOR RESPONSIBLE FOR REMOVING AND RELOCATING ANY EXISTING ITEMS IN CONFLICT WITH NEW CONSTRUCTION.
 4. CONTRACTOR TO FIELD VERIFY EXISTING GRADES PRIOR TO CONSTRUCTION.
 5. CONTRACTOR RESPONSIBLE FOR REPAIRING ALL EXISTING ITEMS DAMAGED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITIONS (AT A MINIMUM).
 6. MAXIMUM CROSS SLOPE ON WALKWAYS TO BE 2%.
 7. MAXIMUM LENGTHWISE SLOPE ON WALKWAYS TO BE 5%.



LOCATION MAP
NOT TO SCALE

LEGAL DESCRIPTION:

LOTS 4 & 5, BLOCK 8, OF "HOLLYWOOD", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 21, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.



SECTION A-A
NTS

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED ELEVATION
- PROPOSED SURFACE FLOW
- PROPOSED WATER METER
- PROPOSED CLEANOUT
- PROPOSED RPZ BACKFLOW PREVENTER
- PROPOSED DOUBLE DETECTOR CHECK VALVE
- PROPOSED PIPING
- EXISTING PIPING AND APPURTENANCES
- EXISTING CATCH BASIN
- EXISTING ELEVATION
- EXISTING UTILITY POLE
- EXISTING MANHOLE (AS DESIGNATED)
- EXISTING APPURTENANCES (AS INDICATED)
- EXISTING FENCE
- EXISTING CONCRETE



ARCHITECTURA GROUP MIAMI
ARCHITECTURE
INTERIOR DESIGN
PLANNING
AA26001885
ID 00003873

1920 E HALLANDALE BLVD., SUITE 908
HALLANDALE, FLORIDA 33009
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Issue	No.	Date	Description

Client
115 Holdings Inc.

Project Name
**Atrium Building
Mixed Use**
115 S. 21st Ave., Hollywood, Florida, 33020

SIGN & SEAL

Cristian Gavrilescu
Registered Architect # AR 94560

Sheet title
**PAVING,
GRADING &
DRAINAGE PLAN**

Drawn by	AA
Checked by	SCH
Project Number	101.15
Issued for	
Issue date	Sheet #
02.29.16	C1
Scale:	1" = 10'

HOLLAND ENGINEERING INC.
civil engineers
3900 HOLLYWOOD BLVD. - SUITE 303 - HOLLYWOOD - FL - 33021
(954)367-0371 . (954)367-0372 Fax

SUSAN C. HOLLAND, PE
Reg. no. 41831

PAVING, GRADING AND DRAINAGE PLAN
SCALE: 1" = 10'-0"

P:\CAD\15-45\15-45-C1 - NKW 06/09/15



LOCATION MAP
NOT TO SCALE

LEGAL DESCRIPTION:

LOTS 4 & 5, BLOCK 8, OF "HOLLYWOOD", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 21, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

NOTE:

CONTRACTOR TO FIELD VERIFY SIZE OF EXISTING SEWER LATERAL, IF LATERAL IS LESS THAN 6", IT IS TO BE REPLACED WITH A NEW 6" LATERAL.

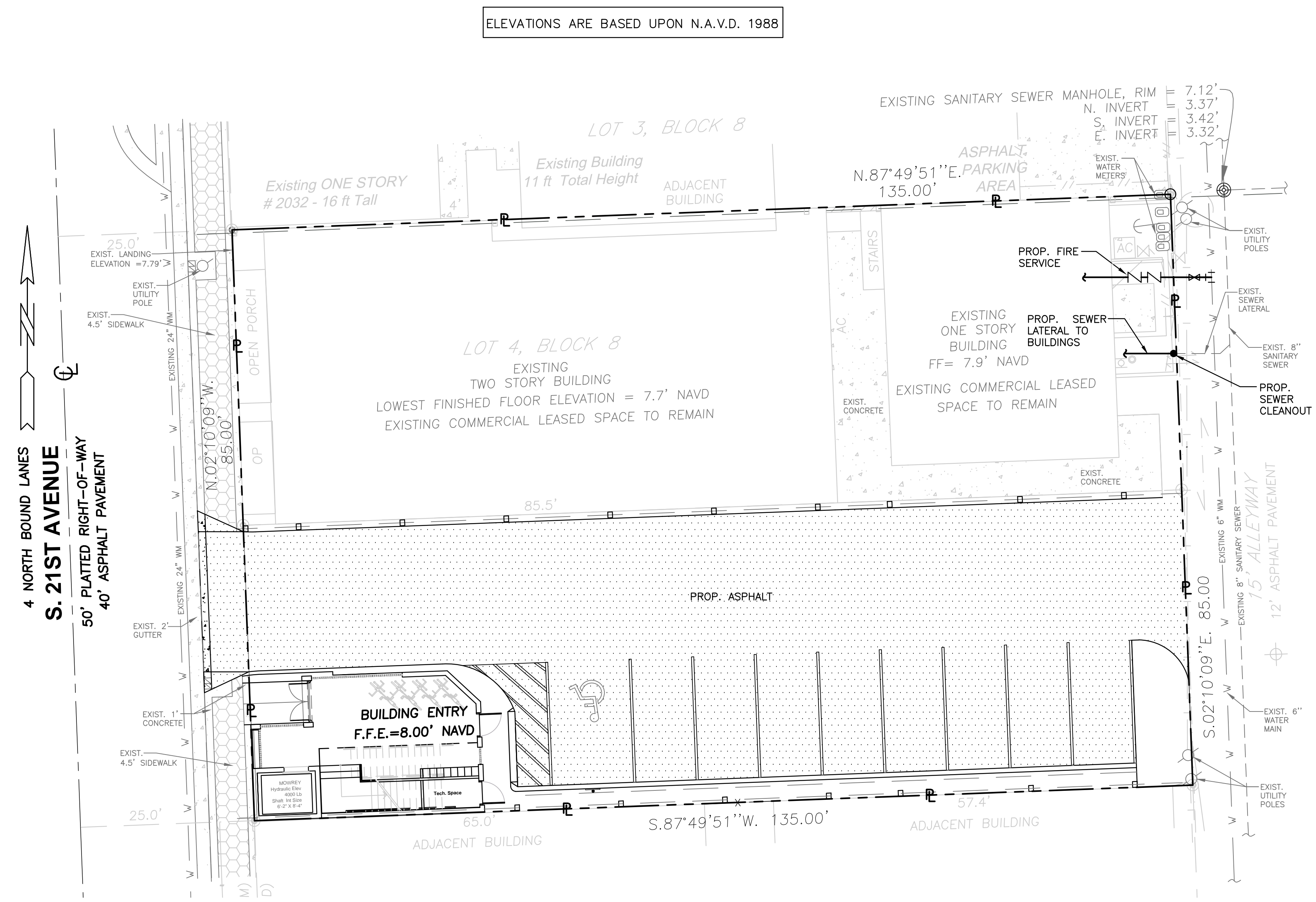
CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, MATERIAL AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PAVEMENT RESTORATION FOR 15' ALLEYWAY WILL BE REQUIRED

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED ELEVATION
- PROPOSED SURFACE FLOW
- PROPOSED WATER METER
- PROPOSED CLEANOUT
- PROPOSED RPZ BACKFLOW PREVENTER
- PROPOSED DOUBLE DETECTOR CHECK VALVE
- PROPOSED PIPING
- EXISTING PIPING AND APPURTENANCES
- EXISTING CATCH BASIN
- EXISTING ELEVATION
- EXISTING UTILITY POLE
- EXISTING MANHOLE (AS DESIGNATED)
- EXISTING APPURTENANCES (AS INDICATED)
- EXISTING FENCE
- EXISTING CONCRETE

WATER AND SEWER DEMAND
OFFICE BUILDING: 16,450 SF X 0.20 GPD = 3,290 GPD
RESIDENTIAL: 8 UNITS X 250 GPD/UNIT = 2,000 GPD
TOTAL = 5,290 GPD



ELEVATIONS ARE BASED UPON N.A.V.D. 1988

4 NORTH BOUND LANES
S. 21ST AVENUE
50' PLATTED RIGHT-OF-WAY
40' ASPHALT PAVEMENT

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Issue		
No.	Date	Description

Client
115 Holdings Inc.

Project Name
**Atrium Building
Mixed Use**
115 S. 21st Ave., Hollywood, Florida, 33020

Sign & Seal
Cristian Gavrilescu
Registered Architect # AR 94560

Sheet title
**WATER & SEWER
PLAN**

Drawn by	AA
Checked by	SCH
Project Number	101.15
Issued for	
Issue date	Sheet #
02.29.16	C2
Scale	1" = 10'

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Reg. no. 41831

WATER AND SEWER PLAN
SCALE 1" = 10'-0"

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS CAN BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.



LOCATION MAP
 NOT TO SCALE

LEGAL DESCRIPTION:

LOTS 4 & 5, BLOCK 8, OF "HOLLYWOOD", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 21, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

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Issue		
No.	Date	Description

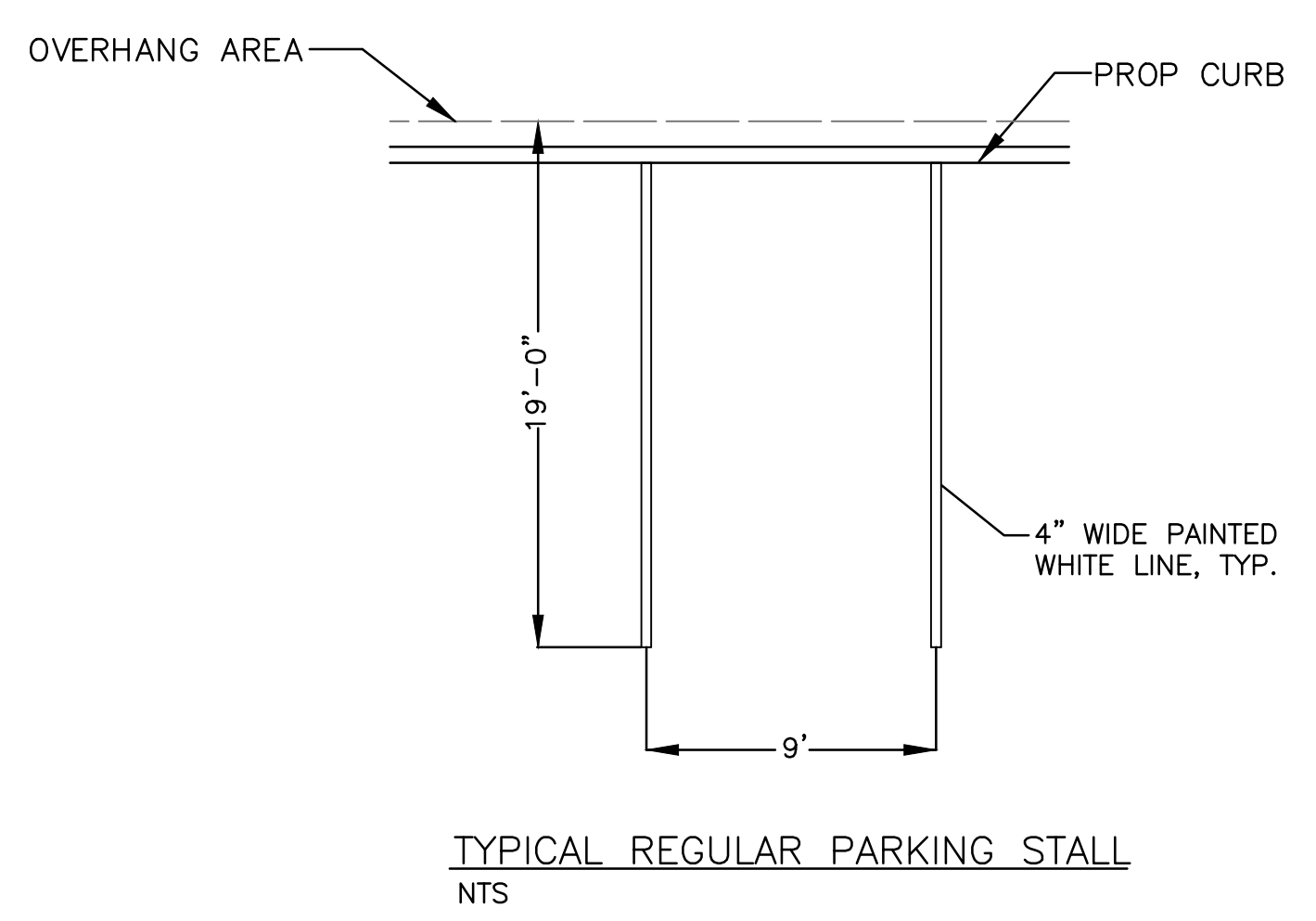
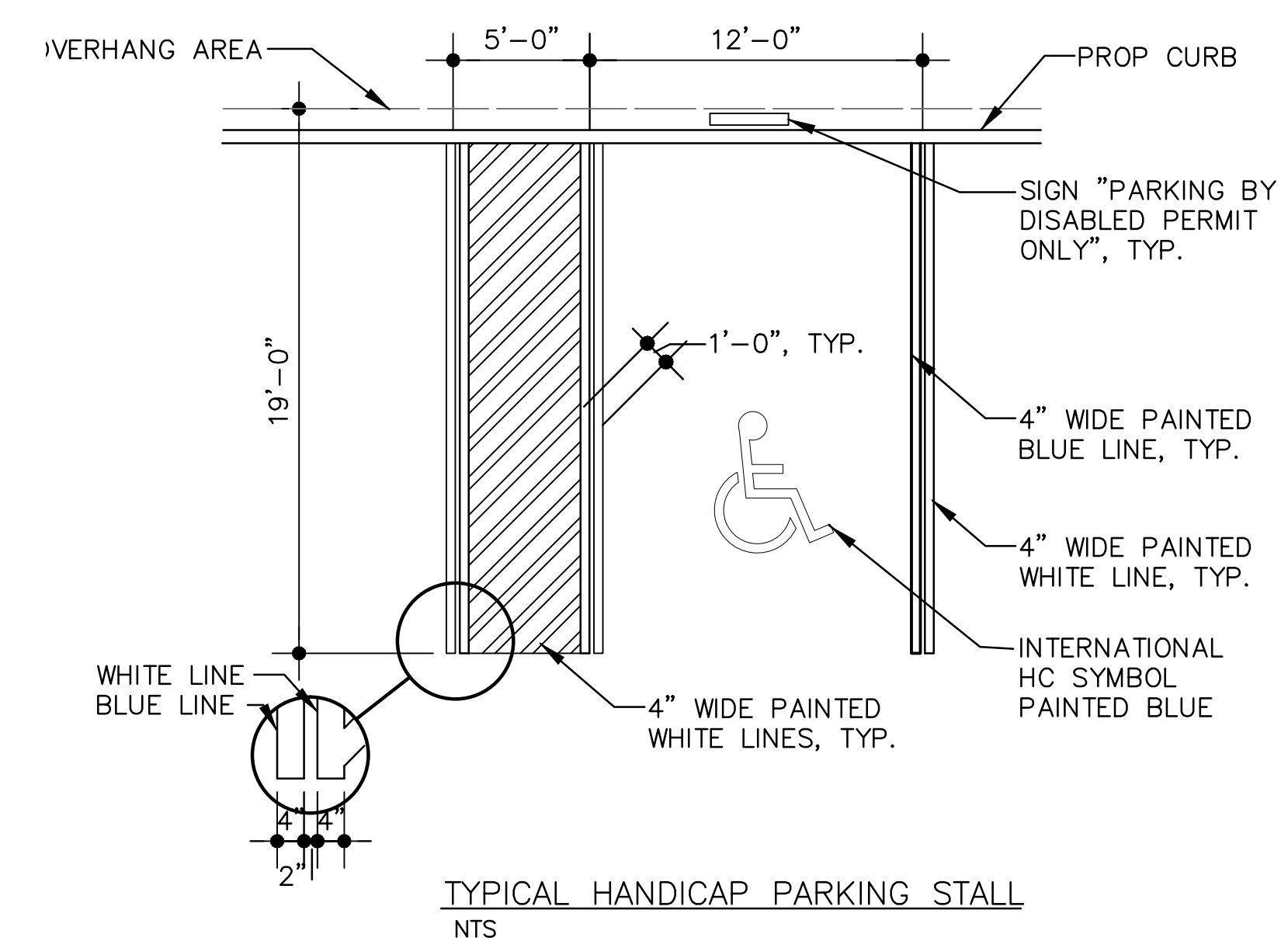
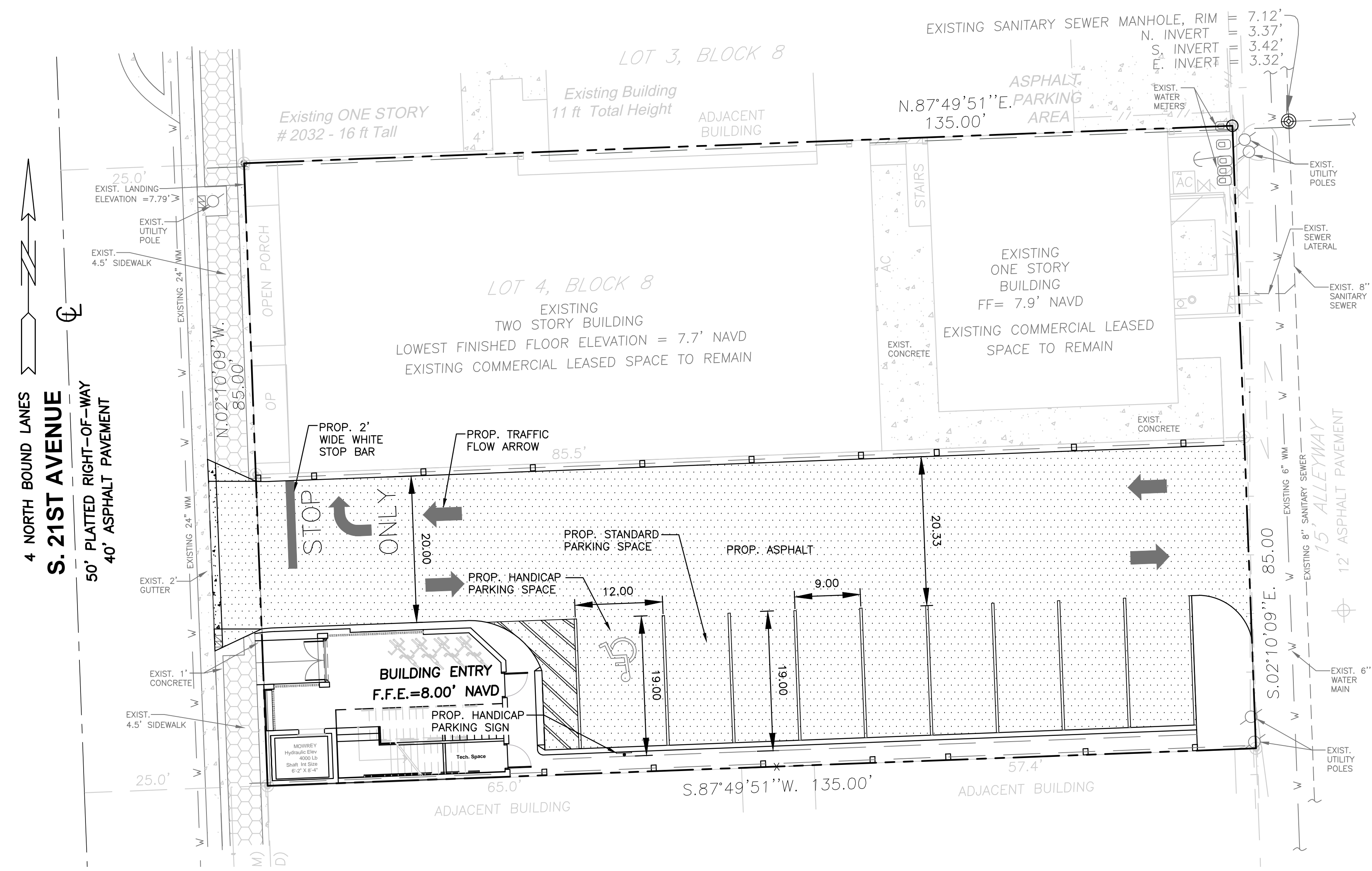
Client
115 Holdings Inc.

Project Name
**Atrium Building
 Mixed Use**
 115 S. 21st Ave., Hollywood, Florida, 33020

Sign & Seal
 Cristian Gavrilesco
 Registered Architect # AR 94560

Sheet title
PAVEMENT MARKING AND SIGNAGE PLAN

Drawn by	AA
Checked by	SCH
Project Number	101.15
Issued for	
Issue date	02.29.16
Scale	1" = 10'
Sheet #	C3



LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED ELEVATION
- PROPOSED SURFACE FLOW
- PROPOSED WATER METER
- PROPOSED CLEANOUT
- PROPOSED RPZ BACKFLOW PREVENTER
- PROPOSED DOUBLE DETECTOR CHECK VALVE
- PROPOSED PIPING
- EXISTING PIPING AND APPURTENANCES
- EXISTING CATCH BASIN
- EXISTING ELEVATION
- EXISTING UTILITY POLE
- EXISTING MANHOLE (AS DESIGNATED)
- EXISTING APPURTENANCES (AS INDICATED)
- EXISTING FENCE
- EXISTING CONCRETE

J:\CAD\15-45\15-45_C2 NKW 06/09/15

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS CAN BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.

PAVEMENT MARKING AND SIGNAGE PLAN
 SCALE 1" = 10'-0"

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EB7325

Table with 3 columns: No., Date, Description. It is currently empty.

Client: 115 Holdings Inc.

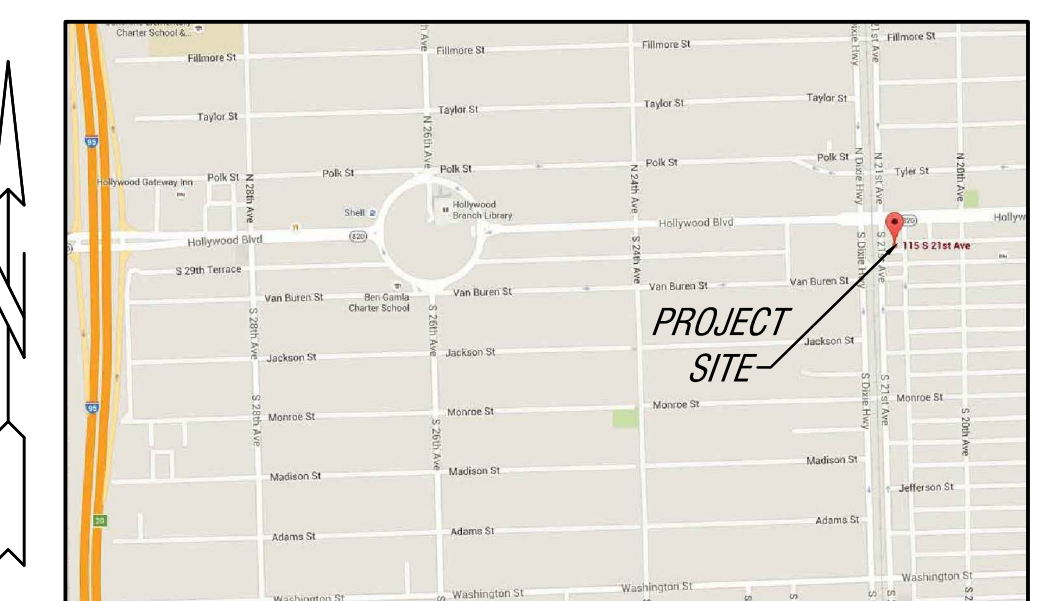
Project Name: Atrium Building Mixed Use
115 S. 21st Ave., Hollywood, Florida, 33020

Sign & Seal

Cristian Gavrilescu
Registered Architect # AR 94560

Sheet title: STORMWATER POLLUTION PREVENTION PLAN

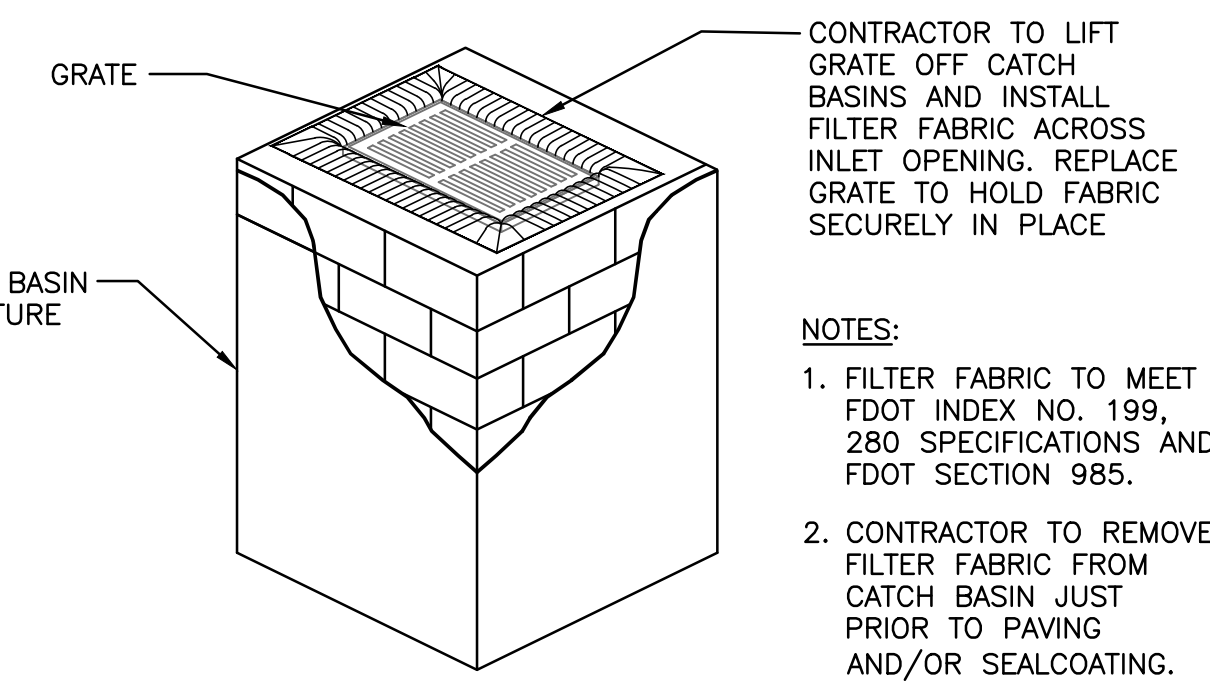
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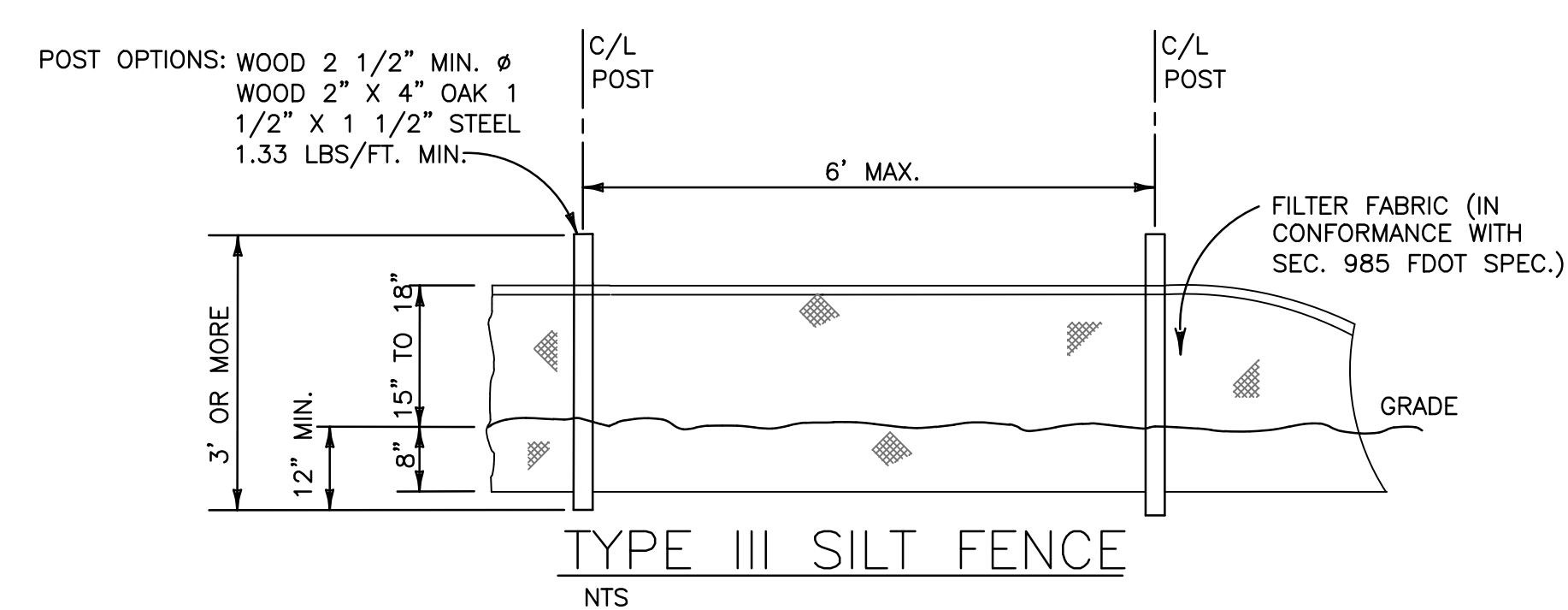
LOCATION MAP NOT TO SCALE

LEGAL DESCRIPTION:

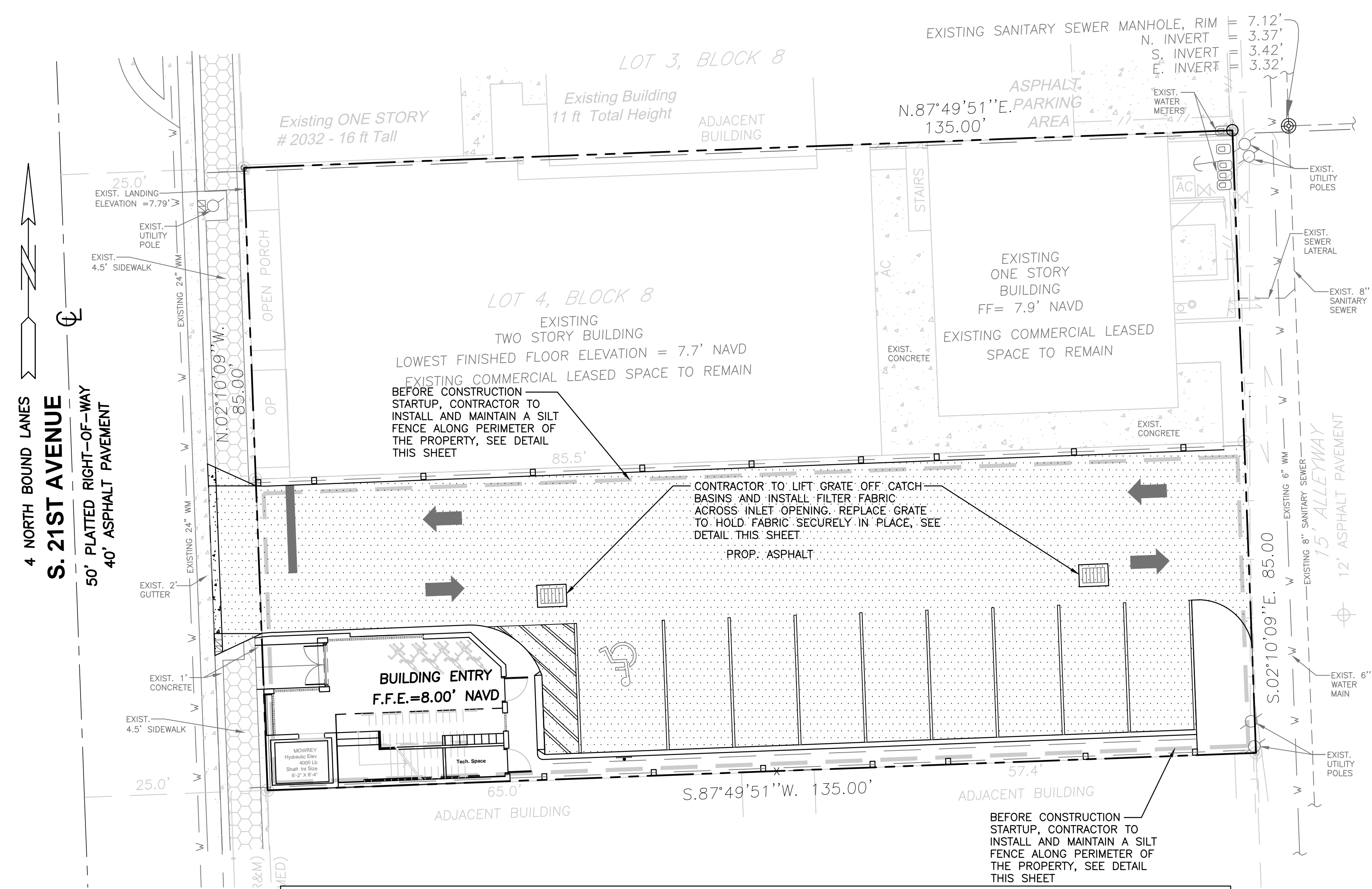
LOTS 4 & 5, BLOCK 8, OF "HOLLYWOOD", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 21, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.



POLLUTION PREVENTION FOR CATCH BASIN N.T.S.



TYPE III SILT FENCE N.T.S.



- BMP NOTES:**
- 1. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
 - 2. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
 - 3. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORMWATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
 - 4. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
 - 5. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN THIRTY (30) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
 - 6. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
 - 7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
 - 8. PROPERTIES AND WATER WAYS DOWNSTREAM FROM CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
 - 9. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
 - 10. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.
 - 11. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE. TO MEET LEED REQUIREMENTS.
 - 12. PROVIDE SILT FENCE AROUND WORK AREA DURING INSTALLATION OF NEW 8" SANITARY SEWER MAIN.

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED ELEVATION (8.60)
- PROPOSED SURFACE FLOW
- PROPOSED WATER METER (WM)
- PROPOSED CLEANOUT (CD)
- PROPOSED RPZ BACKFLOW PREVENTER
- PROPOSED DOUBLE DETECTOR CHECK VALVE
- PROPOSED PIPING
- EXISTING PIPING AND APPURTENANCES
- EXISTING CATCH BASIN (CB) x13.02
- EXISTING ELEVATION
- EXISTING UTILITY POLE (UP)
- EXISTING MANHOLE (AS DESIGNATED) (MH)
- EXISTING APPURTENANCES (AS INDICATED)
- EXISTING FENCE
- EXISTING CONCRETE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS CAN BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.

STORMWATER POLLUTION PREVENTION PLAN SCALE: 1" = 10'-0"

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Reg. no. 41831

GENERAL CONDITION NOTES :

1. THE LOCATION OF EXISTING UTILITIES AND TOPOGRAPHY HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO NOTIFY THE FOLLOWING COMPANIES & AGENCIES AND ANY OTHERS SERVING THE AREA:
 FLORIDA POWER & LIGHT CO., CONSTRUCTION
 SOUTHERN BELL TELEPHONE & TEL. CO.
 CABLE CONSTRUCTION BUREAU
 LOCAL CITY / COUNTY ENGINEERING & UTILITY DEPARTMENTS
 FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AS APPLICABLE
 UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA (S.U.N.S.H.I.N.E.)

PAVING, GRADING & DRAINAGE NOTES:

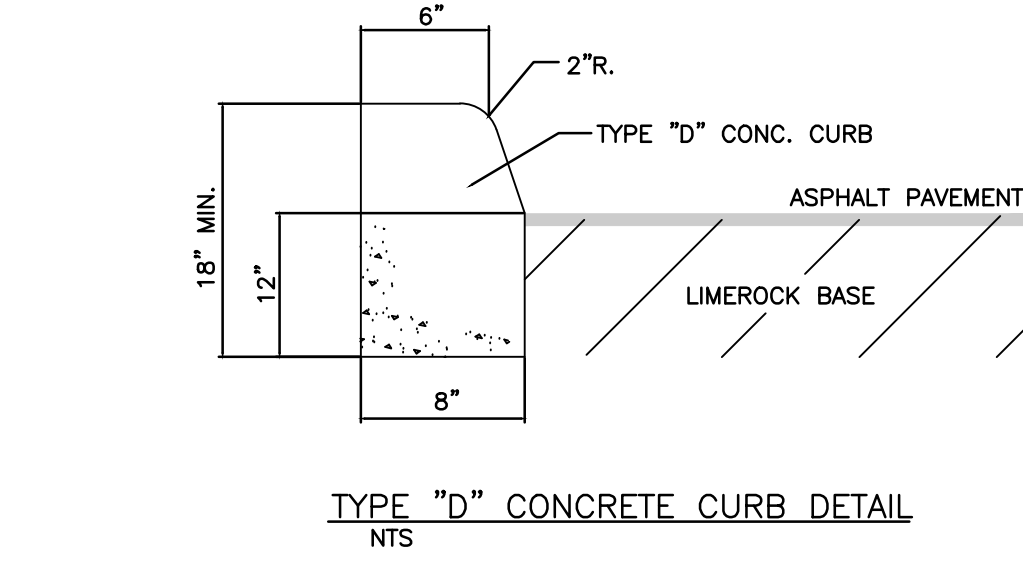
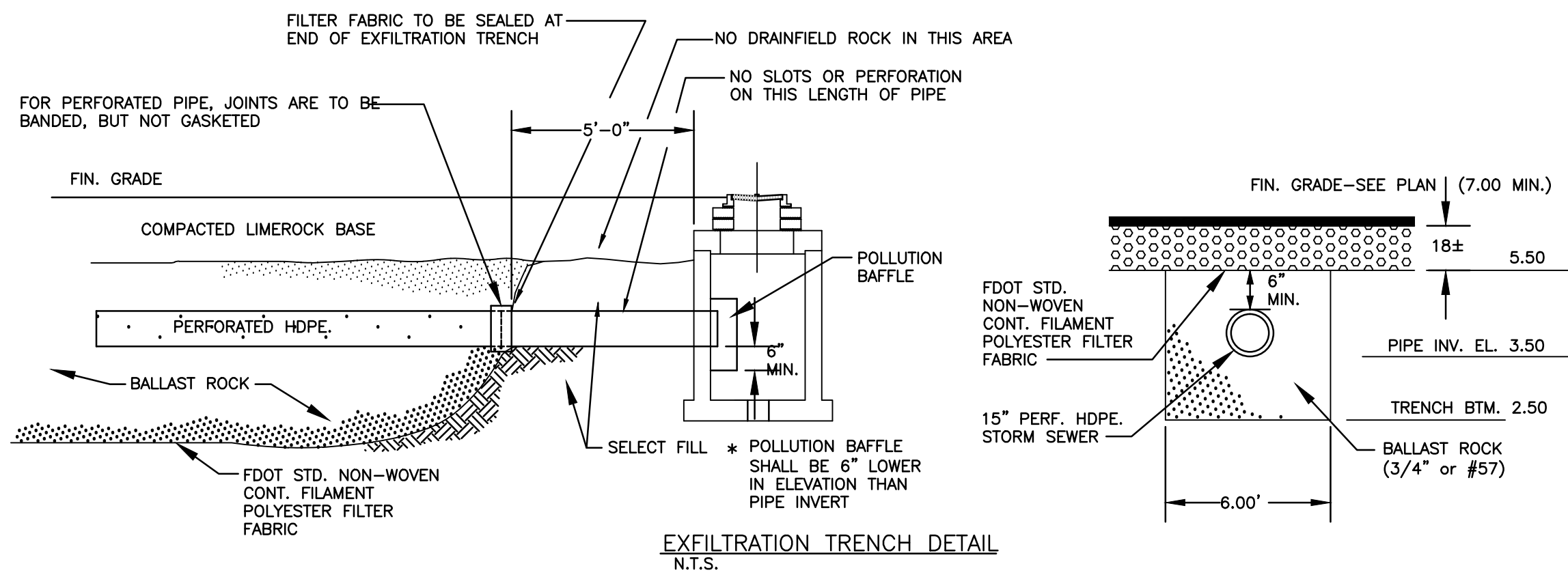
1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HURD PAN, ORGANIC MATERIAL & OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD & PARKING LOT AREAS SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, & REPLACED W/ THE SPECIFIED FILL MATERIAL IN MAXIMUM 12" LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE W/ AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT & METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.
2. ALL AREAS SHALL BE CLEARED & GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL & DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH & ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXIST. GROUND TO A DEPTH OF 12". ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR ADJUSTED SHALL BE SO DESIGNATED ON THE DWGS.
3. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3 OR A-2.4 IN ACCORDANCE W/ AASHTO M-145 & SHALL BE FREE FROM VEGETATION & ORGANIC MATERIAL. NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENG. TEST RESULTS MUST INCLUDE BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE & LIME ROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONC. CYLINDERS, ETC.
5. ALL INLETS & PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS & PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM TO BE CLEAN OF DEBRIS PRIOR TO FINAL ACCEPTANCE.
6. WHERE NEW ASPHALT MEETS OR ABUTS EXIST. ASPHALT, THE EXIST. ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL ALSO BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.
7. ALL PROPOSED GRADES (ELEVATIONS) REFER TO ASPHALT GRADES UNLESS INDICATED OTHERWISE.
8. SITE GRADING SHALL BE W/IN 0.1' OF THE REQUIRED ELEVATION & ALL AREAS SHALL BE GRADED TO DRAIN.
9. ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE NOTED & SHALL BE COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-99.
10. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 & HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM & MAGNESIUM UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.
11. CONCRETE & ASPHALT THICKNESS SHALL BE OF TYPE DESIGNATED ON DWGS. (SEE SECTIONS)
12. PLASTIC FILTER FABRIC SHALL BE MIRAFIL, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.
13. CONC. SIDEWALKS SHALL BE 4" THICK ON COMPACTED SUBGRADE, W/ 1/2" EXPANSION JOINTS PLACED AT A MAXIMUM OF 75'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS SPECIFIED OTHERWISE BY LOCAL CODES OR INDICATED ON DWGS. ALL CONC. SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6" THICK.
14. PIPE SPECIFICATIONS : THE MATERIAL TYPE IS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING DESIGNATIONS -
 RCP = REINFORCED CONC. PIPE, ASTM DESIGNATION C-76, TABLE III
 CMP = CORRUGATED METAL (ALUM.) PIPE, TM DESIGNATION M-196
 M = (SMOOTH LINED) CORRUGATED METAL (ALUM.) PIPE, ASTM DESIGNATION M-196
 SCP = SLOTTED CONC. PIPE, FDOT SECTIONS 941 & 942
 PVC = POLYVINYLCHLORIDE PIPE
 PCMP = PERFORATED CMP, FDOT SECTION 945
 DIP = DUCTILE IRON PIPE
 HDPE = HIGH DENSITY POLYETHYLENE PIPE.

15. ASPHALT -
 BITUMINOUS MATERIAL SHALL BE ASPHALT CEMENT, VISCOSITY GRADE AC-20, CONFORMING TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, 1986 EDITION, SECTION 916-1.
 PRIME COAT SHALL BE CUT BACK ASPHALT, GRADE RC-70 OR RC-250 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-81-75 (1982). RATE - 0.10 GAL/S.Y. TACK COAT SHALL BE EMULSIFIED ASPHALT, GRADE RS-2 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-140-82. RATE - 0.02 TO 0.08 GAL/S.Y.

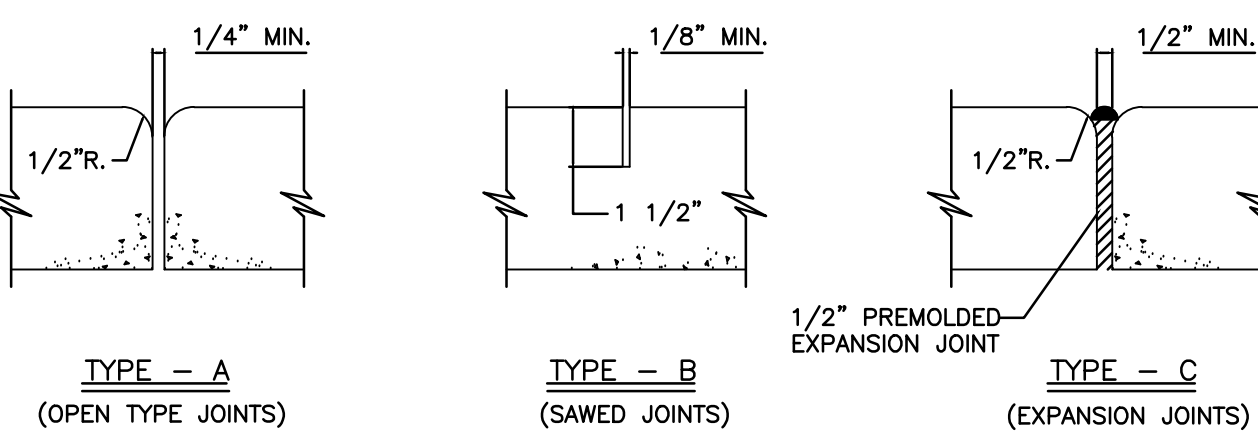
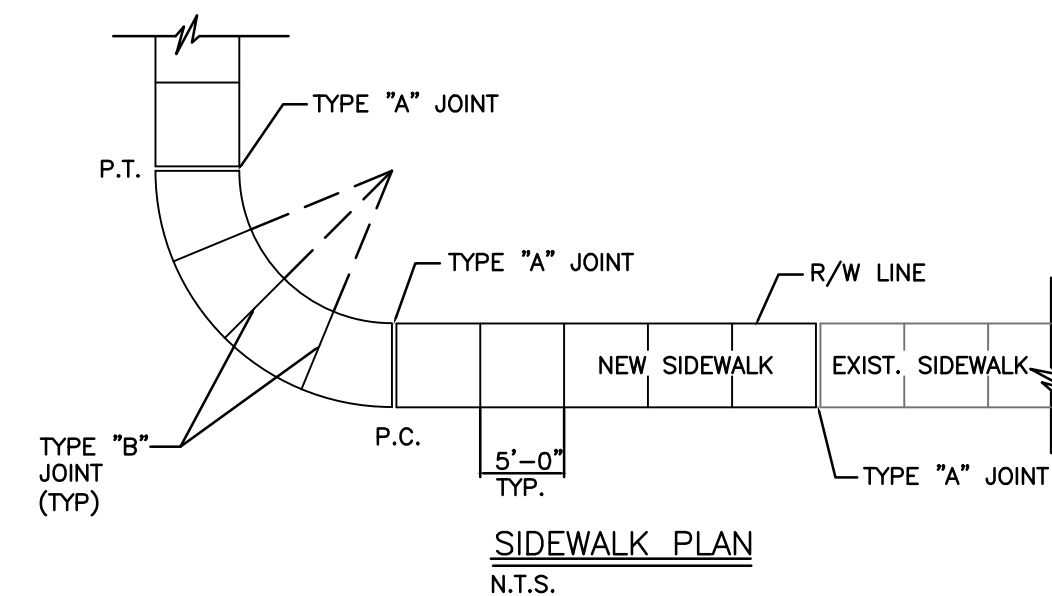
DESIGN MIX SHALL CONFORM TO FDOT SECTION 331 UNLESS OTHERWISE SPECIFIED.

PAVEMENT MARKING & SIGNING STANDARD NOTES :

1. STOP SIGNS SHALL BE 30"x30" (R1-1), HIGH INTENSITY.
2. ALL SIGNS SHALL BE PLACED AT A HEIGHT NOT LESS THAN 5' & NOT GREATER THAN 7'. THE HEIGHT IS MEASURED FROM THE BOTTOM OF THE SIGN TO THE EDGE OF NEAREST PAVEMENT. THE SIGN POST SHALL BE PLACED A MINIMUM OF 6' TO A MAXIMUM OF 12' FROM THE ADJACENT PAVEMENT, & A MINIMUM OF 6' FROM THE CROSS TRAFFIC PAVEMENT.
3. STOP BARS SHALL BE 24" WHITE.
4. ALL SITE PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, EXCLUDING PARKING STALL STRIPING.
5. ALL PAVEMENT MARKINGS AND SIGNAGE IN THE ROAD RIGHT-OF-WAY SHALL BE THERMOPLASTIC & SHALL CONFORM TO MUTCD AND PBC TYPICAL T-P-06-001.



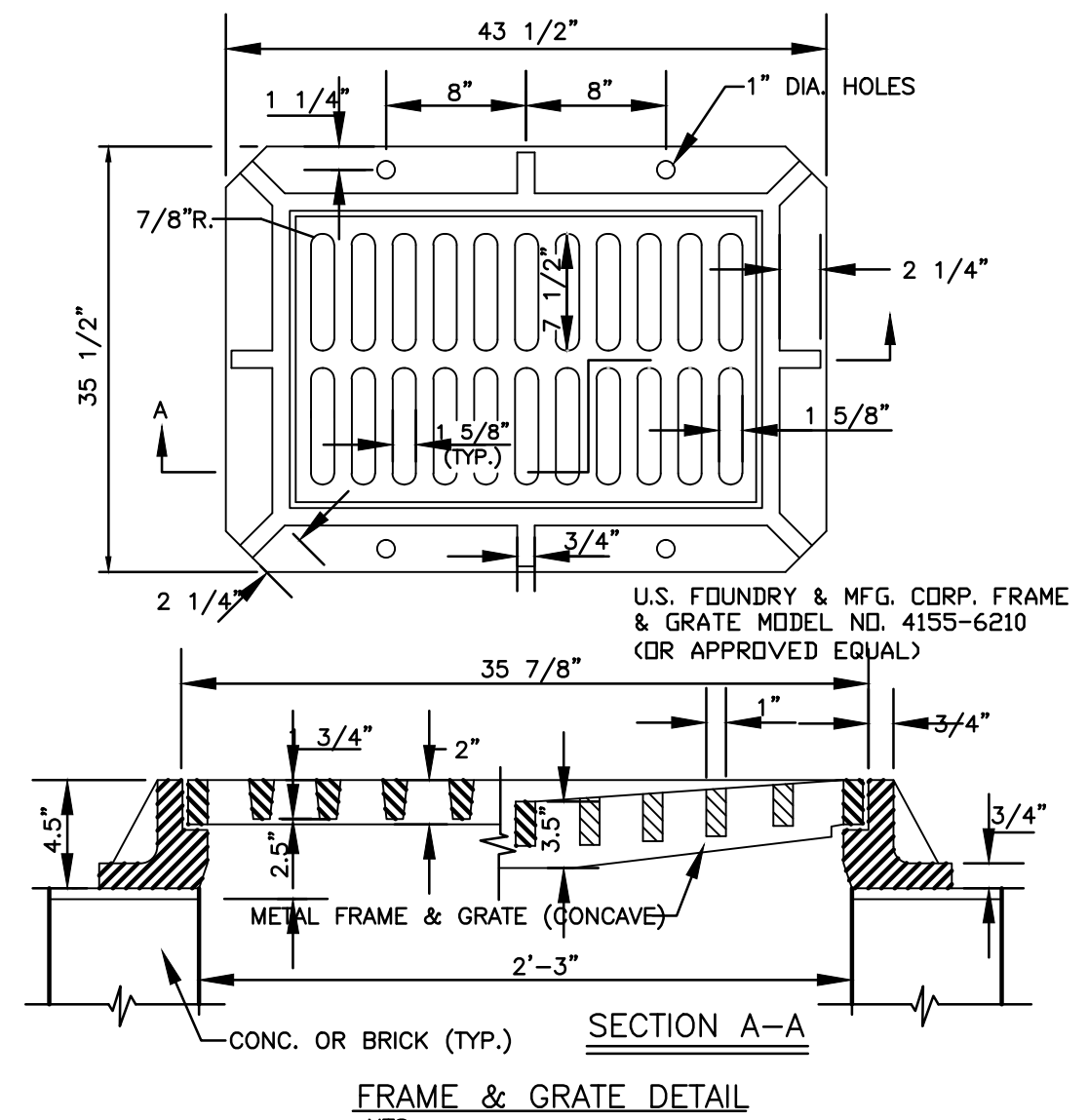
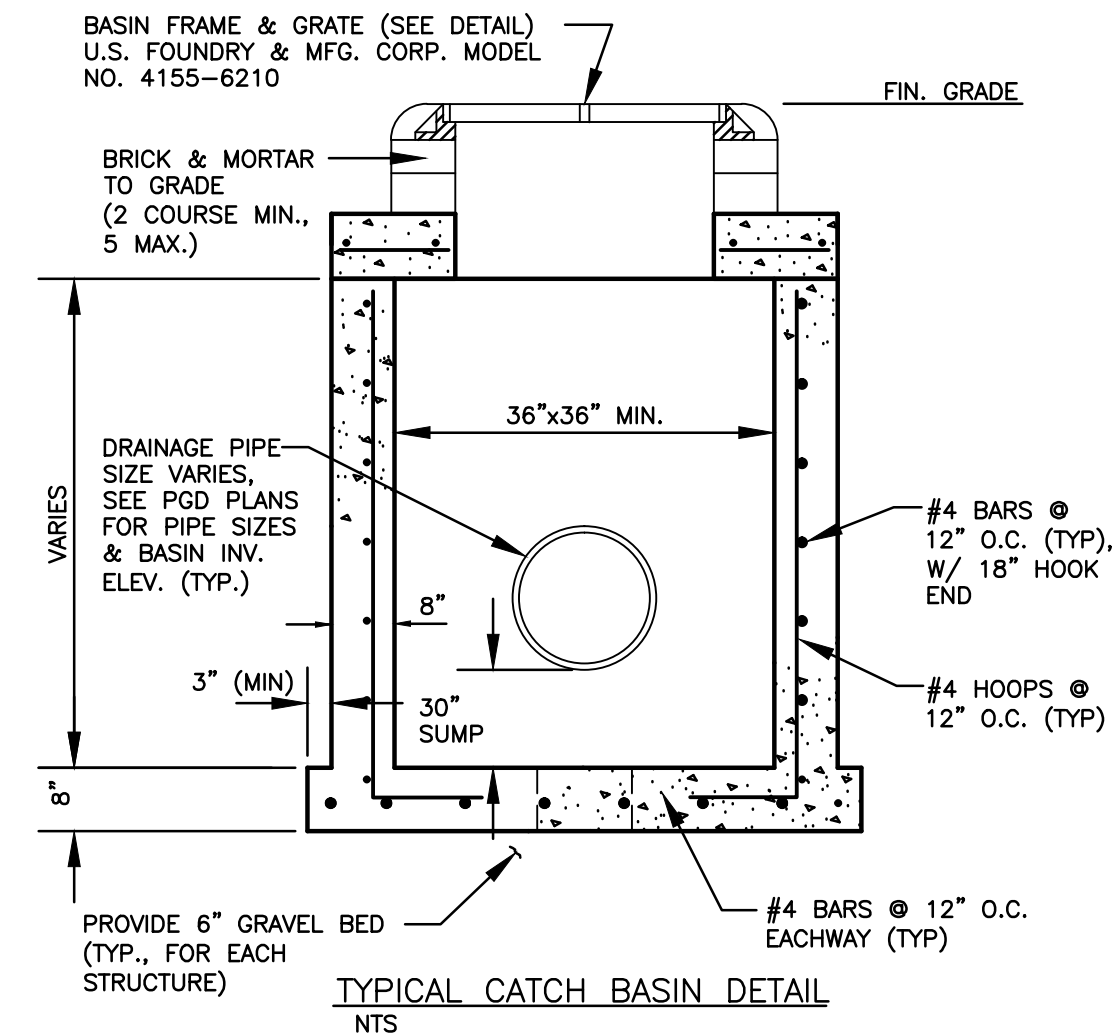
NOTE: SURFACE WATER MANAGEMENT SYSTEM SHALL BE CLEANED/MAINTAINED AS NEEDED AND AT LEAST ONCE PER YEAR.



LOCATION :	T	TYPE	LOCATION :
PEDESTRIAN AREAS	4"	"A"	P.C. & P.T. OF CURVES & TIE-IN JUNCTION OF EXIST. TO NEW SIDEWALKS.
DRIVEWAYS & OTHER	8"	"B"	5'-0" O.C. ON SIDEWALKS.
		"C"	* WHERE SIDEWALK ABUTS CONC. CURBS & DRIVEWAYS OR SIMILAR STRUCTURES. EXPANSION JOINTS EVERY 50' O.C.

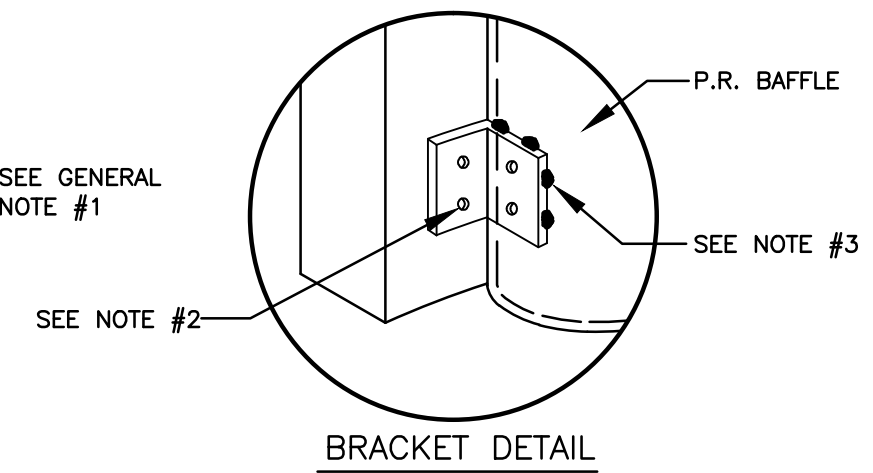
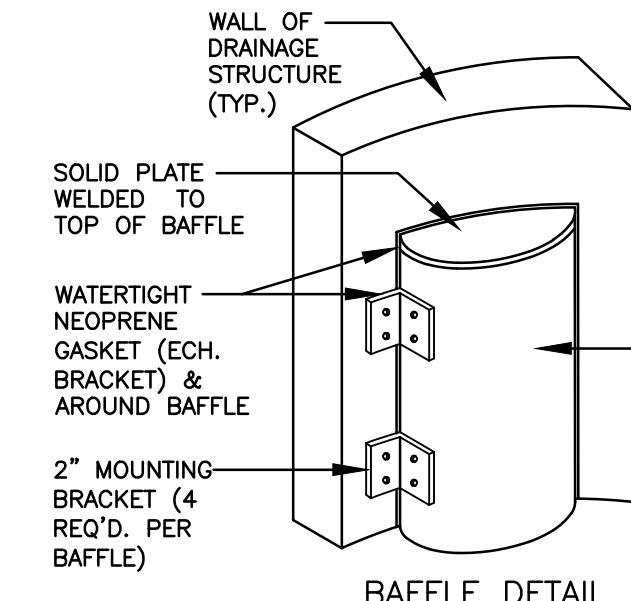
NOTES:
 1. EXPANSION JOINTS EVERY 50' O.C.
 2. CONC. MIN. 2500 PSI, NO STEEL IN SIDEWALK
 3. 8" THK. SIDEWALK ACROSS DRIVEWAYS

SIDEWALK DETAIL
N.T.S.

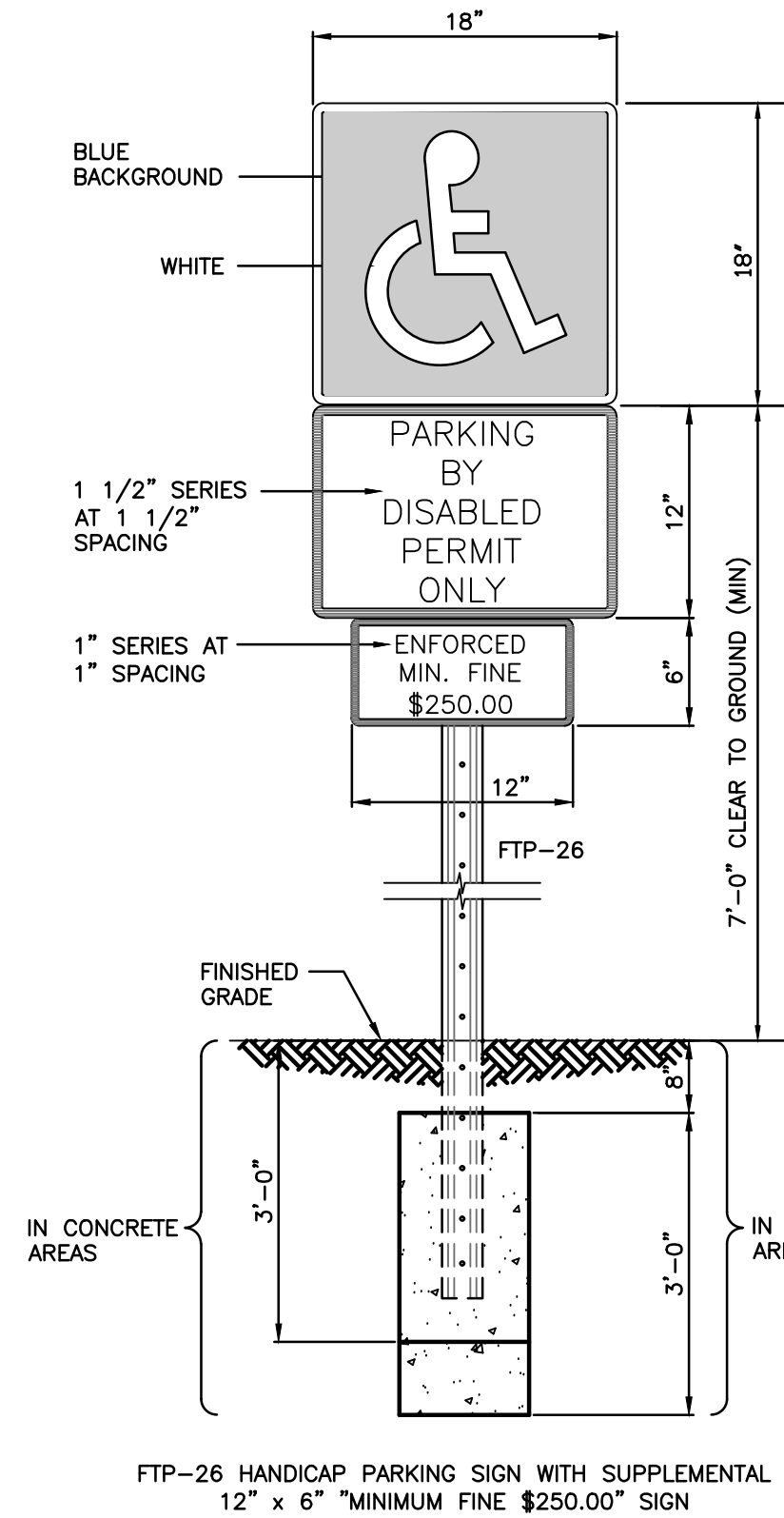


GENERAL NOTES :

1. BAFFLE TO BE SECTION OF CMP CUT IN HALF, CMP PIPE FOR BAFFLE SHALL BE THE NEXT LARGER PIPE SIZE THAN DISCHARGE LINE.
2. 1/2" GALV. LAG BOLT IN LEAD SHIELD (TYP.).
3. WELD, OR 2 1/2" S.S. THRU BOLTS
4. GRATING SHALL BE OFFSET IF STRUCTURE IS USED AS OVERFLOW.



POLLUTION RETARDANT BAFFLE DETAIL
N.T.S.



NOTES:

1. TOP PORTION OF SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND.
2. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. LOCATE SIGN AT CENTERLINE AND HEAD OF EACH HANDICAP PARKING STALL, WHERE APPLICABLE.

HANDICAP PARKING SIGN
N.T.S.

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Issue		
No.	Date	Description

Client
115 Holdings Inc.

Project Name

Atrium Building Mixed Use
115 S. 21st Ave., Hollywood, Florida, 33020

SIGN & SEAL

Cristian Gavrilesco
Registered Architect # AR 94560

Sheet title

CIVIL DETAILS

J:\CAD\15-45\15-45-C2 NKW 06/09/15

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS CAN BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.

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Reg. no. 41831

EB7325

CIVIL DETAILS
SCALE: N.T.S.

Drawn by	AA
Checked by	SCH
Project Number	101.15
Issue date	02.29.16
Scale	1" = 10'
Sheet #	C5

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No.	Date	Description

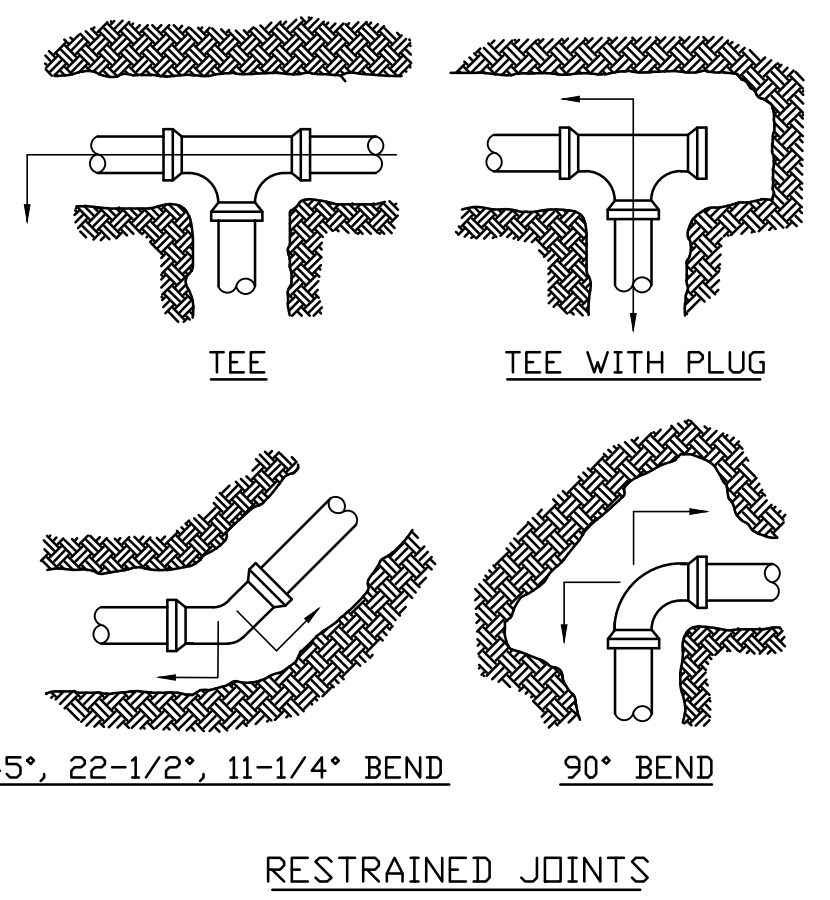
Client
115 Holdings Inc.

Project Name
**Atrium Building
 Mixed Use**
 115 S. 21st Ave., Hollywood, Florida, 33020

SIGN & SEAL
 Cristian Gavrilesco
 Registered Architect # AR 94560

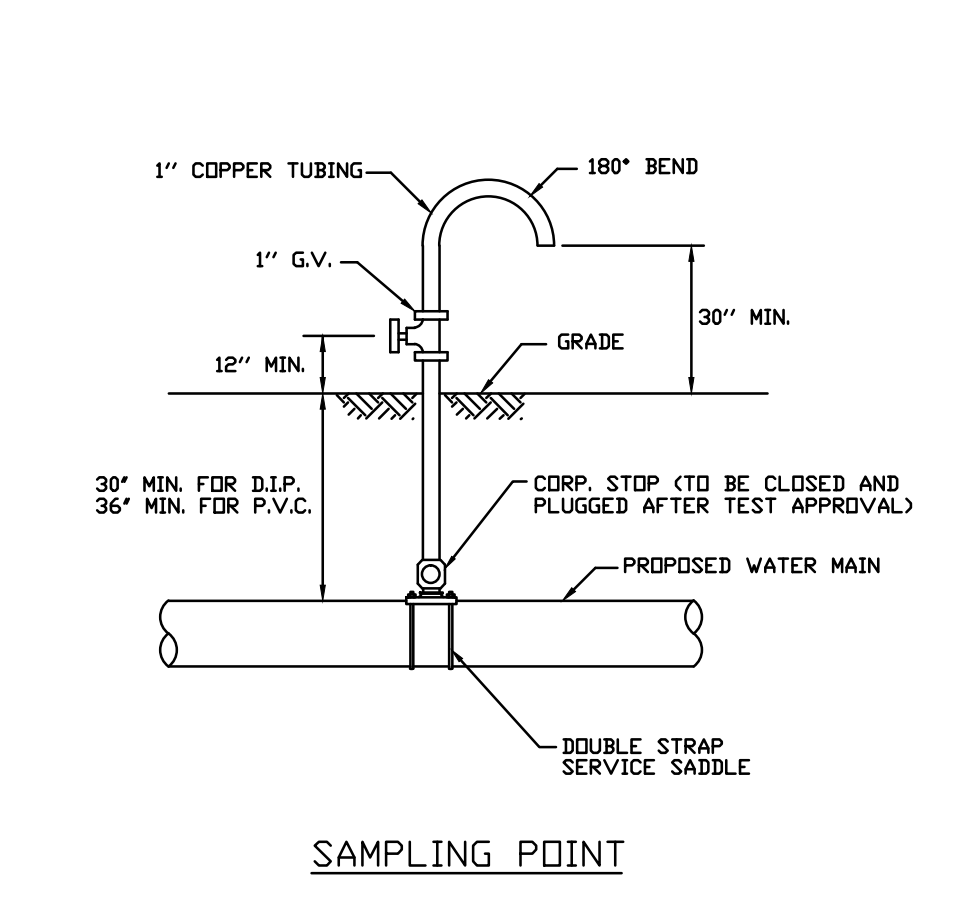
Sheet title
UTILITY DETAILS

Drawn by	AA
Checked by	SCH
Project Number	101.15
Issued for	
Issue date	02.29.16
Scale	1" = 10'
Sheet #	C6



FITTING	PIPE SIZE					
	4"	6"	8"	10"	12"	15"
TEE	51	72	91	110	135	165
11-1/4°	4	5	6	7	8	9
22-1/2°	8	10	13	14	17	19
45° BEND	17	22	26	30	35	42
90° BEND	42	53	63	72	85	105
DEAD END	76	97	117	136	162	202

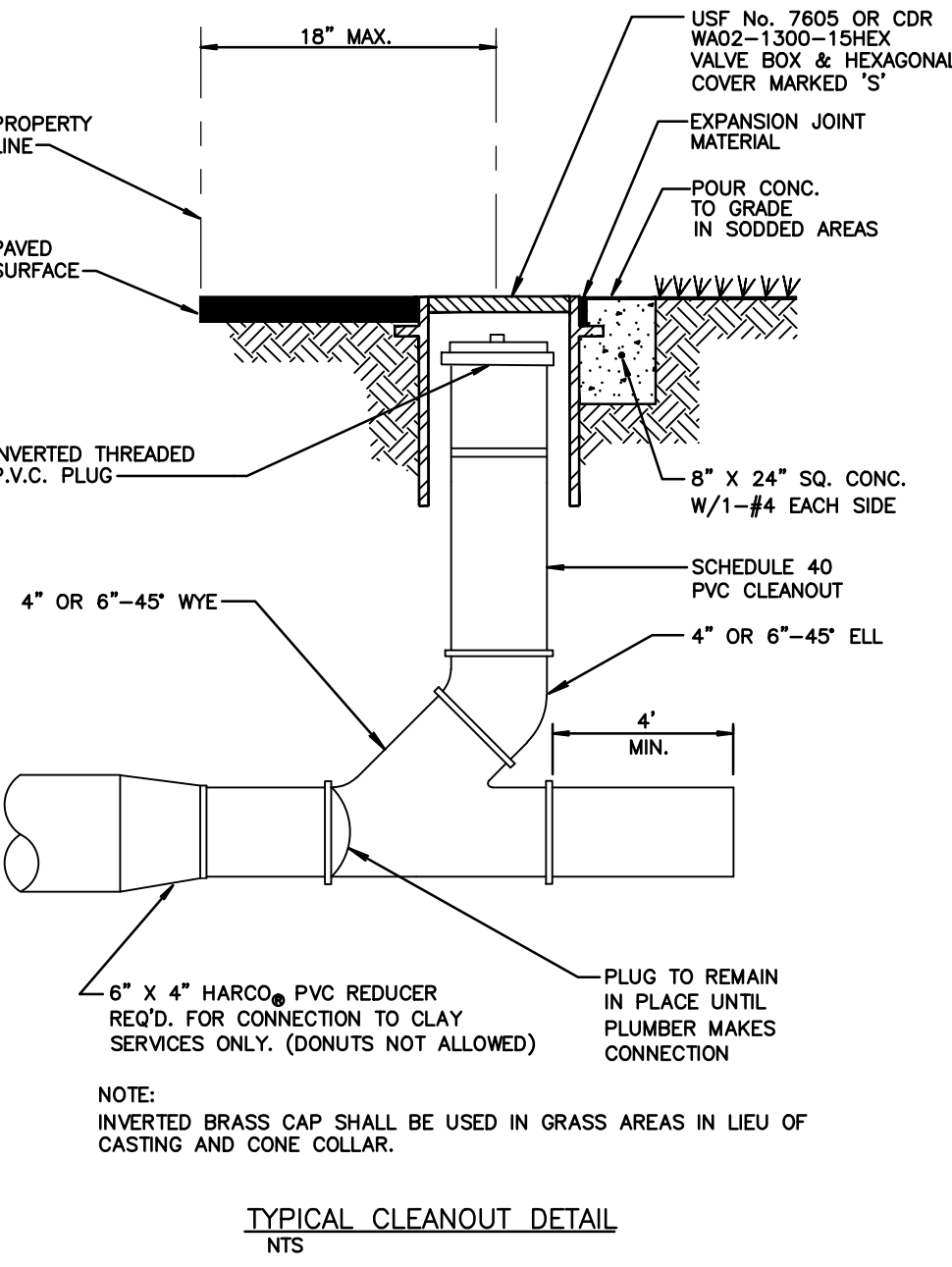
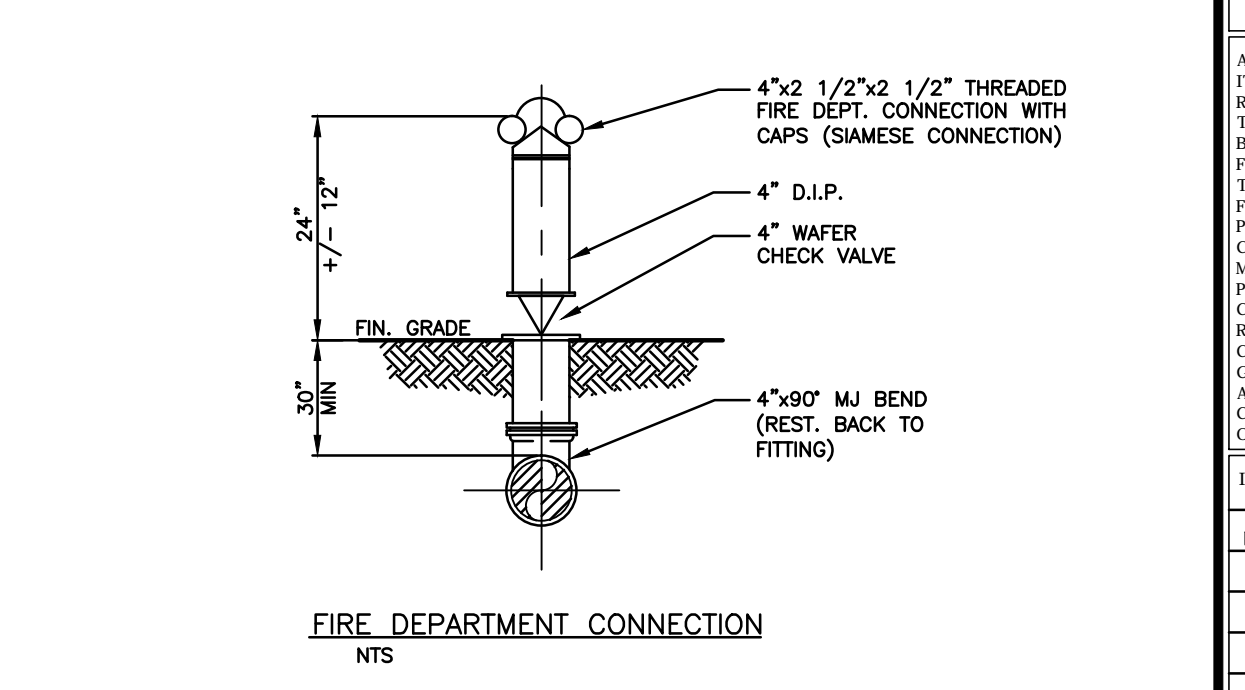
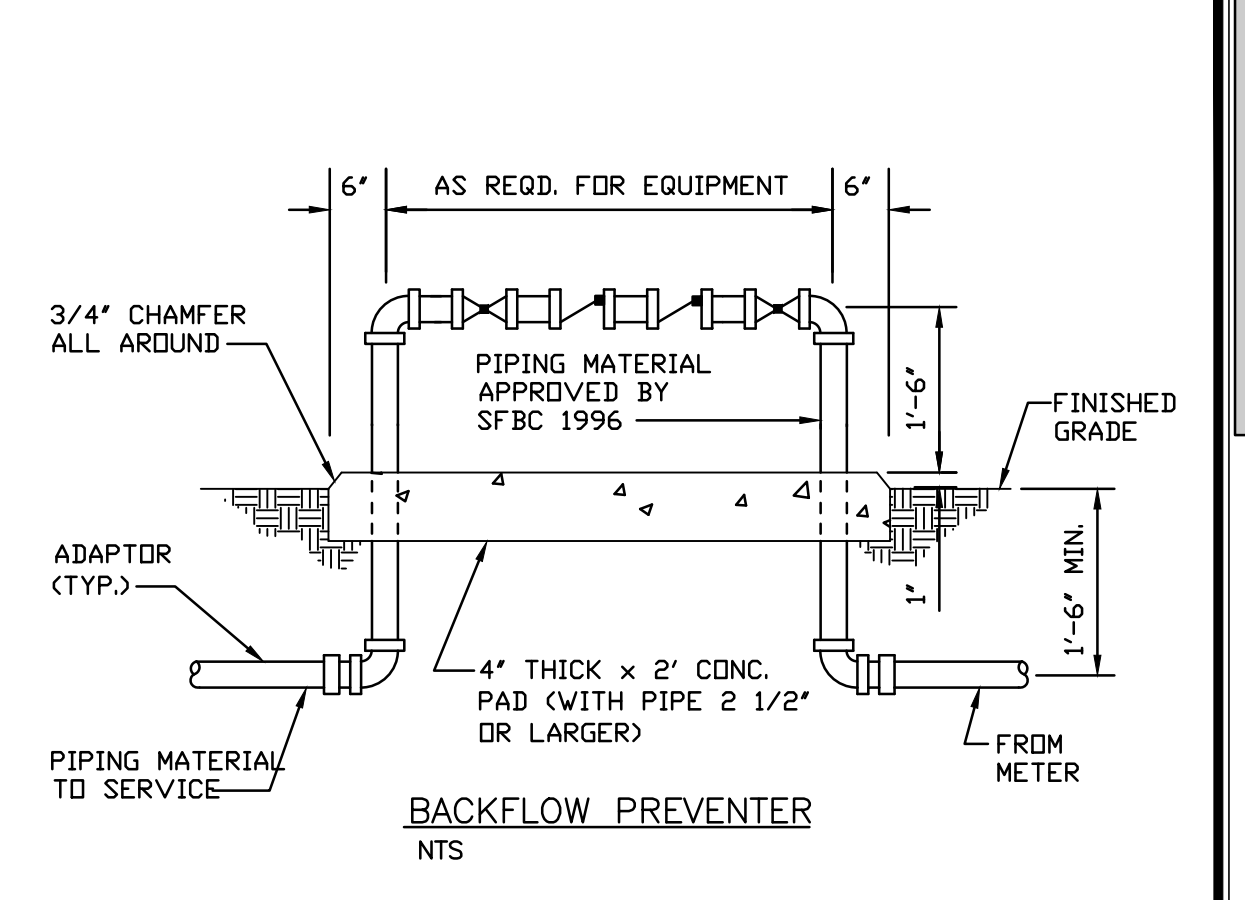
- NOTES:
- LENGTH SHOWN IN THE TABLE TO BE RESTRAINED IN THE DIRECTION OF THE ARROWS, FROM CENTER OF FITTINGS.
 - RESTRAINED LENGTHS TABULATED ARE BASED ON THE FOLLOWING CONDITIONS:
 A. LAYING CONDITION TYPE 3
 B. SOIL DESIGNATION SAND/SILT
 C. DEPTH OF COVER 3 FEET
 D. DESIGN PRESSURE 150 PSI
 E. SAFETY FACTOR 1.5
 F. 18' SPAN BETWEEN THE FIRST TWO UNRESTRAINED JOINTS ON EITHER SIDE OF THE TEE (9' EACH WAY).
 - USE RESTRAINED JOINTS FOR FITTINGS AND MECHANICAL JOINT PIPE.



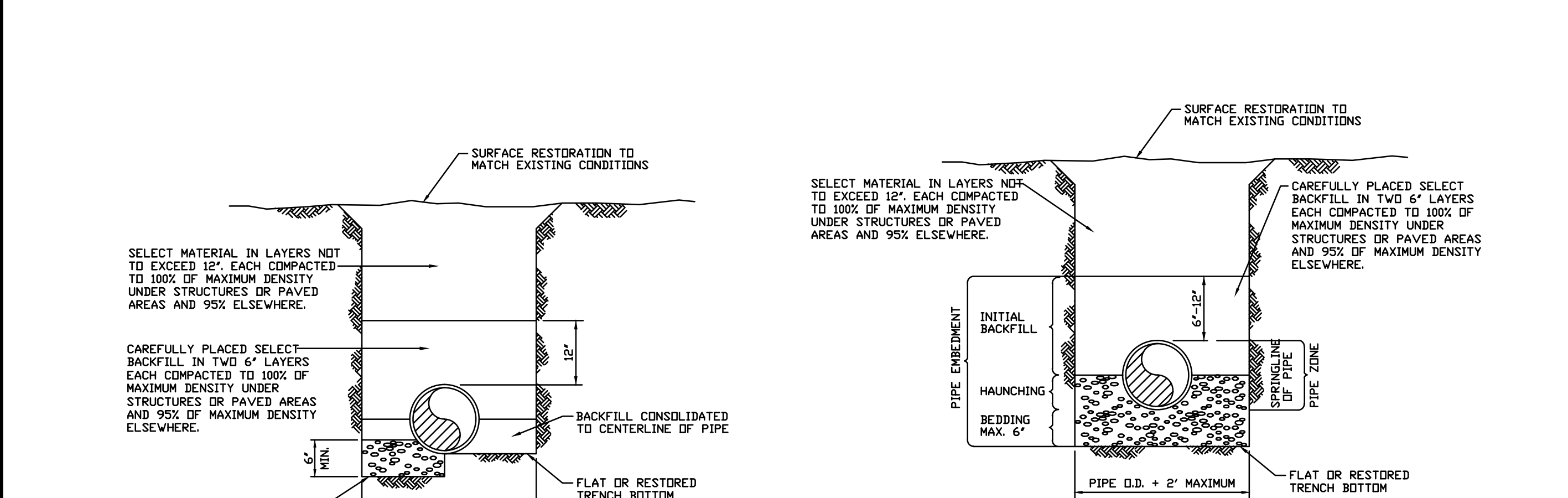
NOTE:
 SAMPLING POINT SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM BROWARD COUNTY PUBLIC HEALTH UNIT (B.C.P.H.U.) 62-555.314 F.A.C AUGUST 28, 2003

PIPE SEPARATION REQUIREMENTS
 62-555.314 F.A.C AUGUST 28, 2003

- VERTICAL CROSSINGS:**
 SANITARY SEWER SYSTEMS AND/OR RECLAIMED WATER MAINS SHALL CROSS UNDER POTABLE WATER MAINS WHENEVER PHYSICALLY POSSIBLE. SANITARY SEWER SYSTEMS AND/OR RECLAIMED WATER MAINS CROSSING BELOW POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A PREFERRED VERTICAL SEPARATION DISTANCE OF 12 INCHES (MINIMUM 6' FOR GRAVITY RECLAIMED MAIN) BETWEEN THE INVERT OF THE POTABLE WATER MAIN AND THE CROWN OF THE LOWER PIPE.
- HORIZONTAL SEPARATIONS:**
 WHEREVER IT IS PHYSICALLY POSSIBLE:
 SANITARY SEWER SYSTEMS REQUIRE A PREFERRED 10-FOOT HORIZONTAL SEPARATION DISTANCE (MINIMUM 6-FOOT) OUTSIDE TO OUTSIDE OF PIPE BETWEEN ANY POTABLE WATER MAIN PARALLEL INSTALLATIONS.
 RECLAIMED WATER MAINS REQUIRE A MINIMUM OF A 3 FOOT OUTSIDE TO OUTSIDE OF PIPE HORIZONTAL SEPARATION DISTANCE BETWEEN ANY POTABLE WATER MAIN AND/OR A SANITARY SEWER SYSTEM PARALLEL INSTALLATIONS.
 WHEREVER EITHER ARE NOT PHYSICALLY POSSIBLE, THEN THE POTABLE WATER MAIN SHALL BE LAID OUT AT THE MAXIMUM PHYSICAL HORIZONTAL SEPARATION DISTANCE POSSIBLE, AND EITHER LAID:
 A) IN A SEPARATE TRENCH;
 B) ON AN UNDISTURBED EARTH SHELVE;
 AND CONFORMING TO THE MINIMUM VERTICAL CROSSINGS IN PARAGRAPH 1).
- CONFLICTS:**
 WHENEVER IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM STANDARDS IN 1) AND 2), THEN ALL PIPING MATERIAL SHALL BE DUCTILE IRON PIPE (DIP). ALL DIP SHALL BE CLASS 50 OR HIGHER. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN AND SITE CONDITIONS. ADDITIONALLY, THE POTABLE WATER MAIN SHALL BE A FULL JOINT CENTERED ON THE CONFLICT AND BE MECHANICALLY RESTRAINED. AN ABSOLUTE MINIMUM VERTICAL SEPARATION DISTANCE OF 6 INCHES SHALL BE PROVIDED BETWEEN THE INVERT OF THE UPPER PIPE AND CROWN OF THE LOWER PIPE.

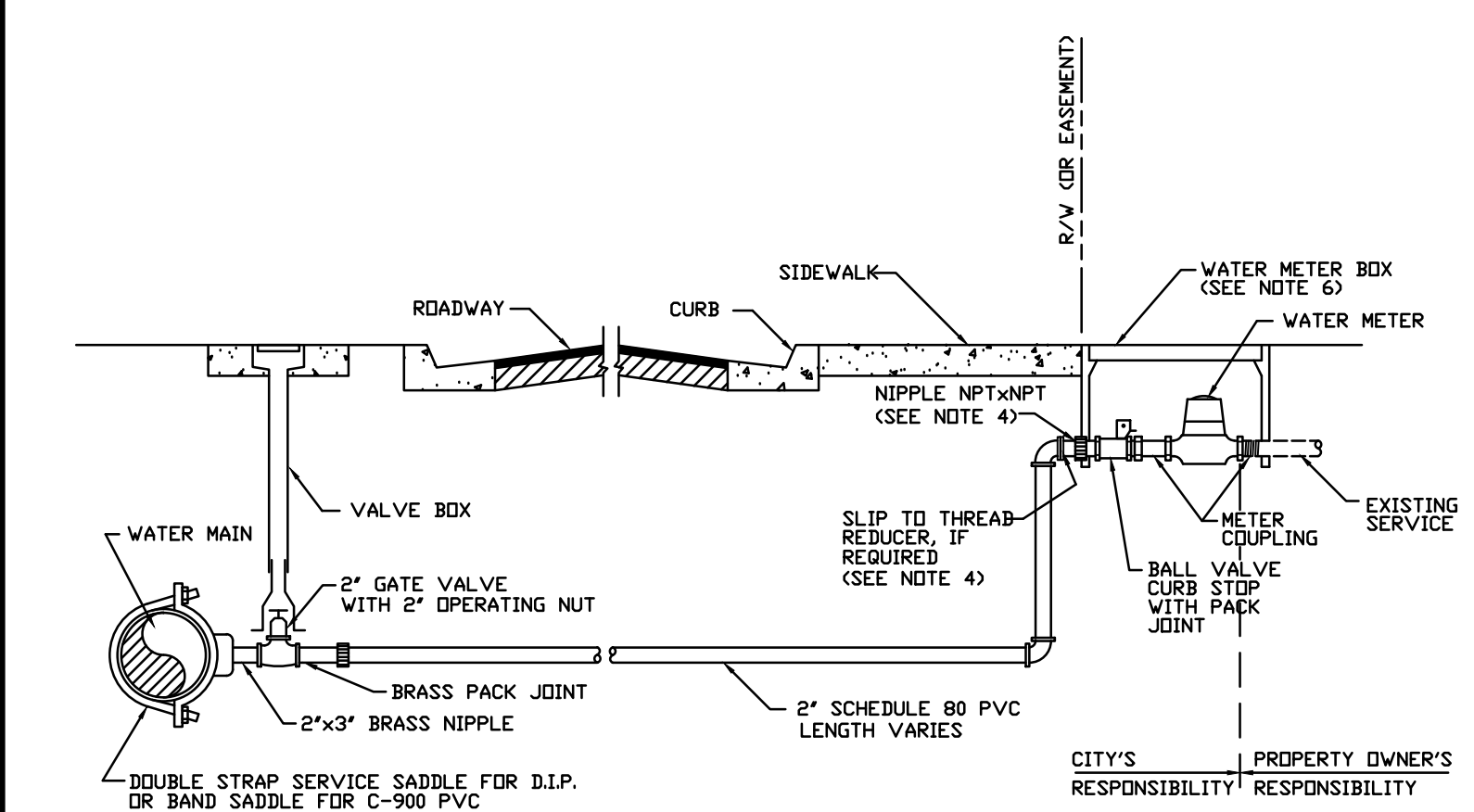


NOTE:
 INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS IN LIEU OF CASTING AND CONE COLLAR.



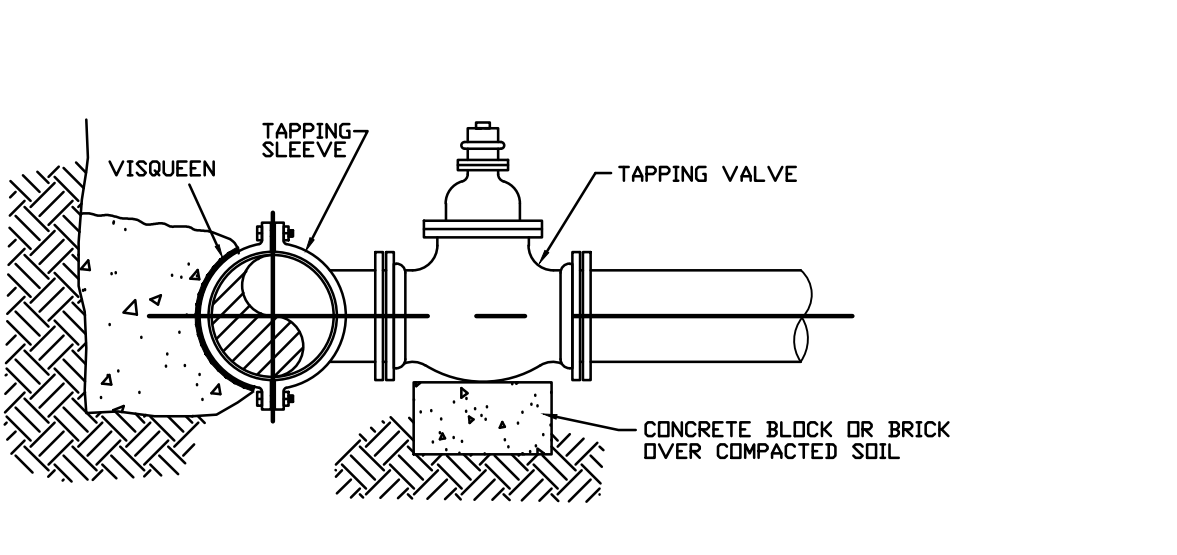
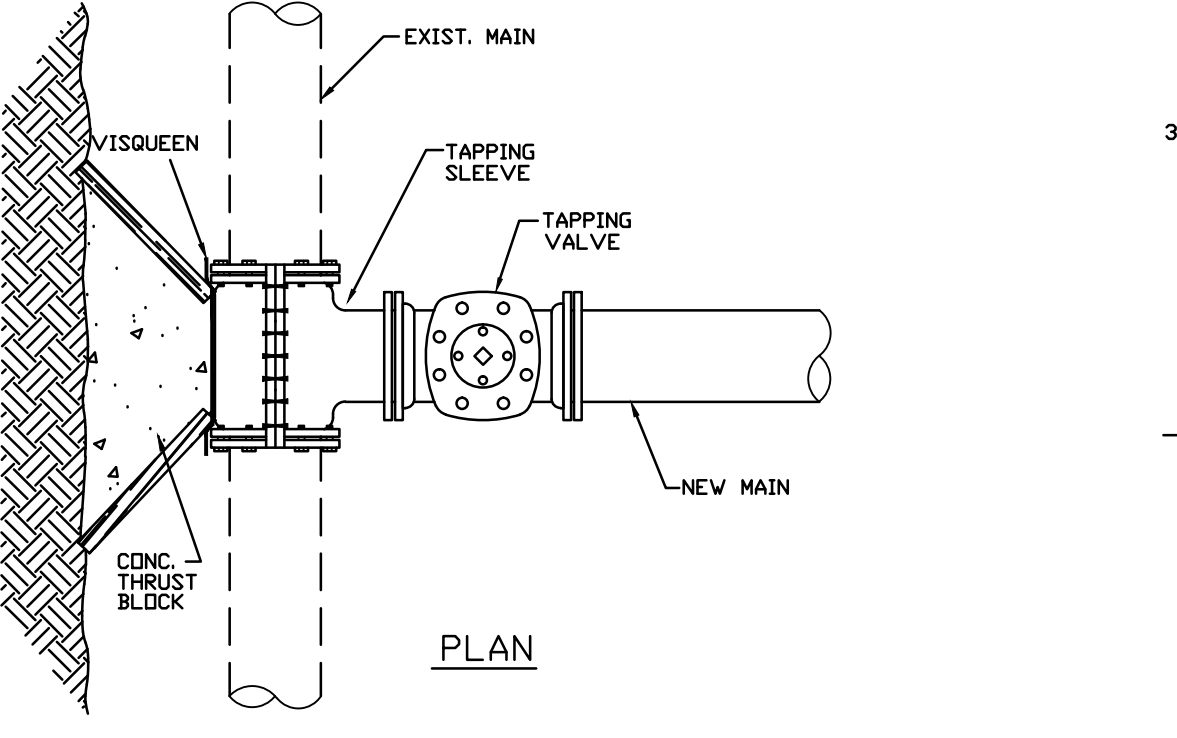
PIPE LAYING CONDITION TYPICAL SECTION (P.V.C.)

- NOTES:
- BEDDING MATERIAL WHEN NECESSARY, SHALL BE CLEAN SANDY SOIL WHENEVER AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED 3/4" MAX. SIZED CRUSHED LIMEROCK. ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID.
 - DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017.



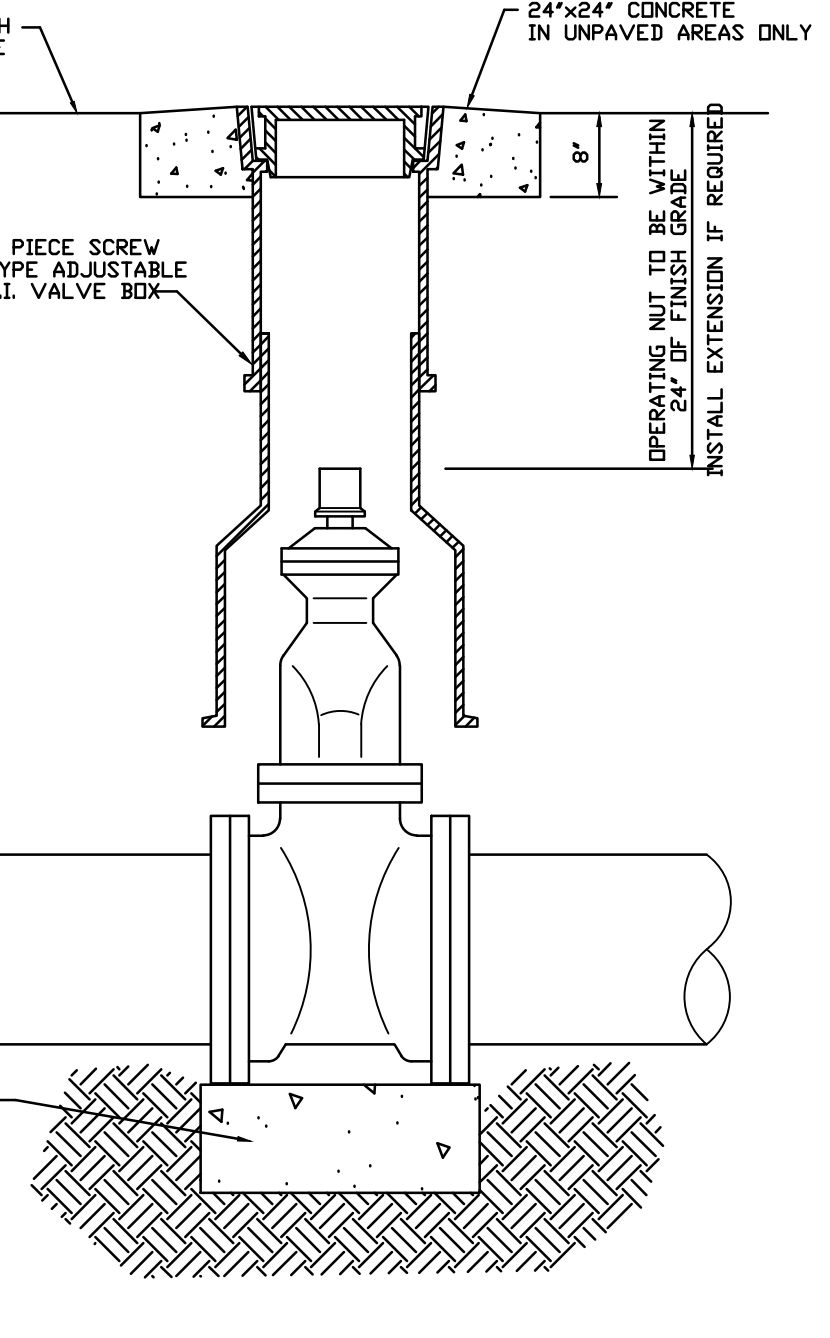
TYPICAL SERVICE CONNECTION (FOR P.V.C. ONLY)

- NOTES:
- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED NOT LESS THAN 18" ON CENTER.
 - SERVICE CONNECTIONS RUN FROM THE WATER MAIN TO THE METER AND INCLUDE THE SERVICE CLAMP, THE CORPORATION STOP OR GATE VALVE (DEPENDENT ON METER SIZE), PIPING, THE CURB STOP AND ALL NECESSARY FITTINGS.
 - SERVICE CONNECTION PIPES AND FITTINGS CROSSING UNDER PAVEMENT SHALL BE A MINIMUM OF 2" IN DIAMETER.
 - FOR 1", 1-1/2", AND 2" METERS, THE NIPPLE AND ACCESSORIES BETWEEN THE 2" 90° BEND OR 2" TEE AND THE METER SHALL BE THE SAME SIZE AS THE METER.
 - THE WATER METER, METER BOX AND COVER BY THE CITY OF HOLLYWOOD.
 - ELEVATION OF TOP OF WATER METER BOX SHALL BE SET AT THE SAME ELEVATION AS PROPOSED GRADE AT BACK OF SIDEWALK AND THE METER DIAL SHALL BE MAX. 6" BELOW METER COVER.
 - EXISTING SERVICE CONNECTIONS TO BE DISCONNECTED SHALL BE REMOVED AND PLUGGED AS REQUIRED.
 - DETAIL SHALL BE SAME FOR 1 1/2" SERVICE AND METER



TYPICAL TAPPING SLEEVE AND VALVE

- NOTES:
- NOTIFY THE CITY OF HOLLYWOOD 48 HOURS IN ADVANCE OF PROPOSED TAP.
 - TAPPING MUST BE DONE IN THE PRESENCE OF AN AUTHORIZED CITY REPRESENTATIVE.



TYPICAL GATE VALVE AND VALVE BOX

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SUSAN C. HOLLAND, PE
 Reg. no. 41831
 EB7325

UTILITY DETAILS
 SCALE: N.T.S.

06/09/15 NKW 15-45-45-15-45-C2

Issue table with columns: No., Date, Description

PROPOSED LUMINAIRE SCHEDULE table with columns: Symbol, Label, Qty, Catalog Number, Wattage, Lumens

NOTE: SEE SPEC. DETAIL FOR MOUNTING SPEC. THIS SHEET

AREA LIGHTING AVERAGES table: AVERAGE 2.4 FC, MAXIMUM 3.2 FC, MINIMUM 1.4 FC

NEPTUN LED VAPOR TIGHT LINEAR FIXTURE 2FT. / 4FT. / 5FT. Product image and technical drawing.

GENERAL DESCRIPTION: Neptun's Vapor Tight LED linear fixture features classic design and durability to be used in new construction or retrofit applications.

ORDERING INFORMATION table: Series, Wattage, Voltage, Options, Color Temp, Accessories, Color

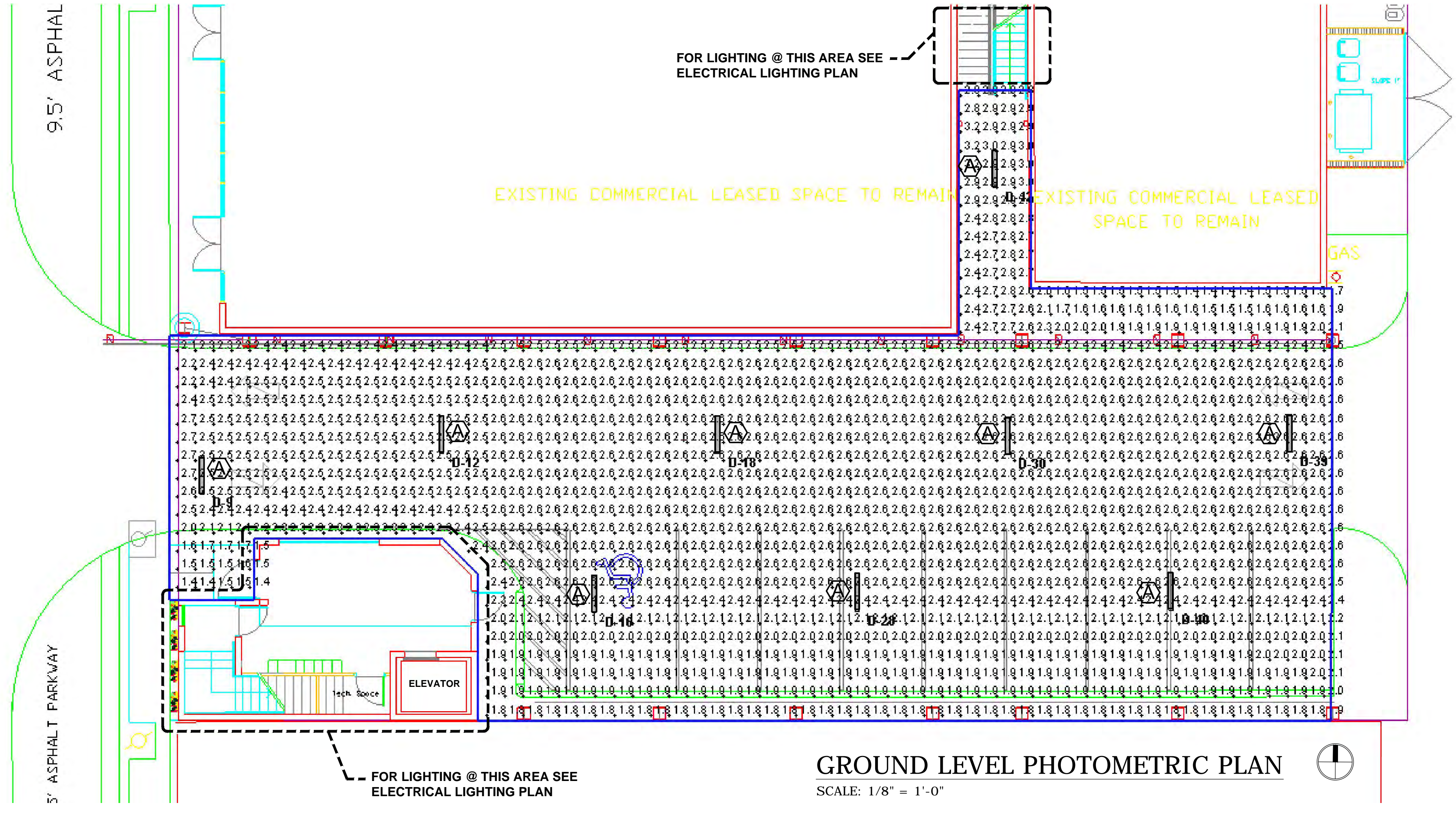
lightinnovations@work™ sales@ener-savelighting.com http://Ener-SaveLighting.com 1-778.590.5000

NEPTUN LED VAPOR TIGHT LINEAR FIXTURE 2FT. / 4FT. / 5FT. PRODUCT INFORMATION table with columns: Model No., Description, Rated Watts, Input Watts, Initial Lumens, Universal Line Voltage (VAC), Max Line Current (Amp) @ 120 - 277, THD, Power Factor, Weight

SPECIFICATIONS: LED Driver, Power Supply, Driver UL Rating, Driver UL/Outdoor Rated, Start Method, Hot Re-start, Universal Input Line Voltage, Input Line Frequency, Driver Off-State Draw, Sound Rating, ANSI Surge Protection, Color Temperature



Neptun Light, Inc. 13950 Business Center Drive Lake Forest, IL 60045 Western Canada: Ener-Save Lighting Inc. Surrey, BC Canada t.1-778.590.500



GROUND LEVEL PHOTOMETRIC PLAN SCALE: 1/8" = 1'-0"