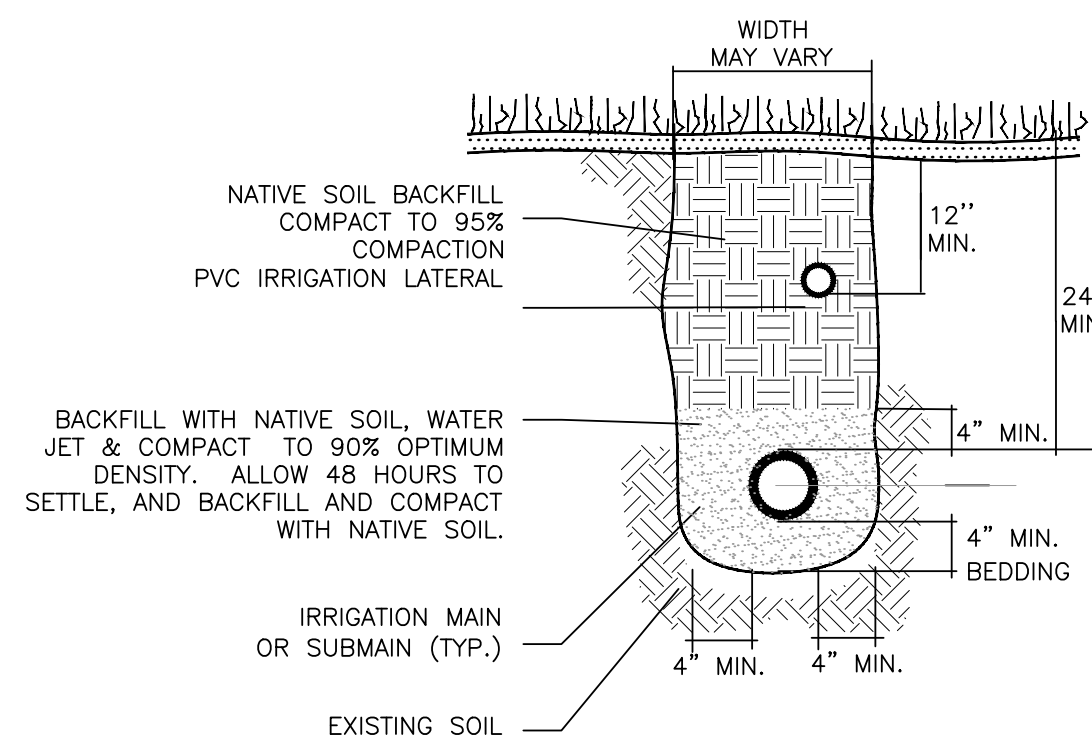
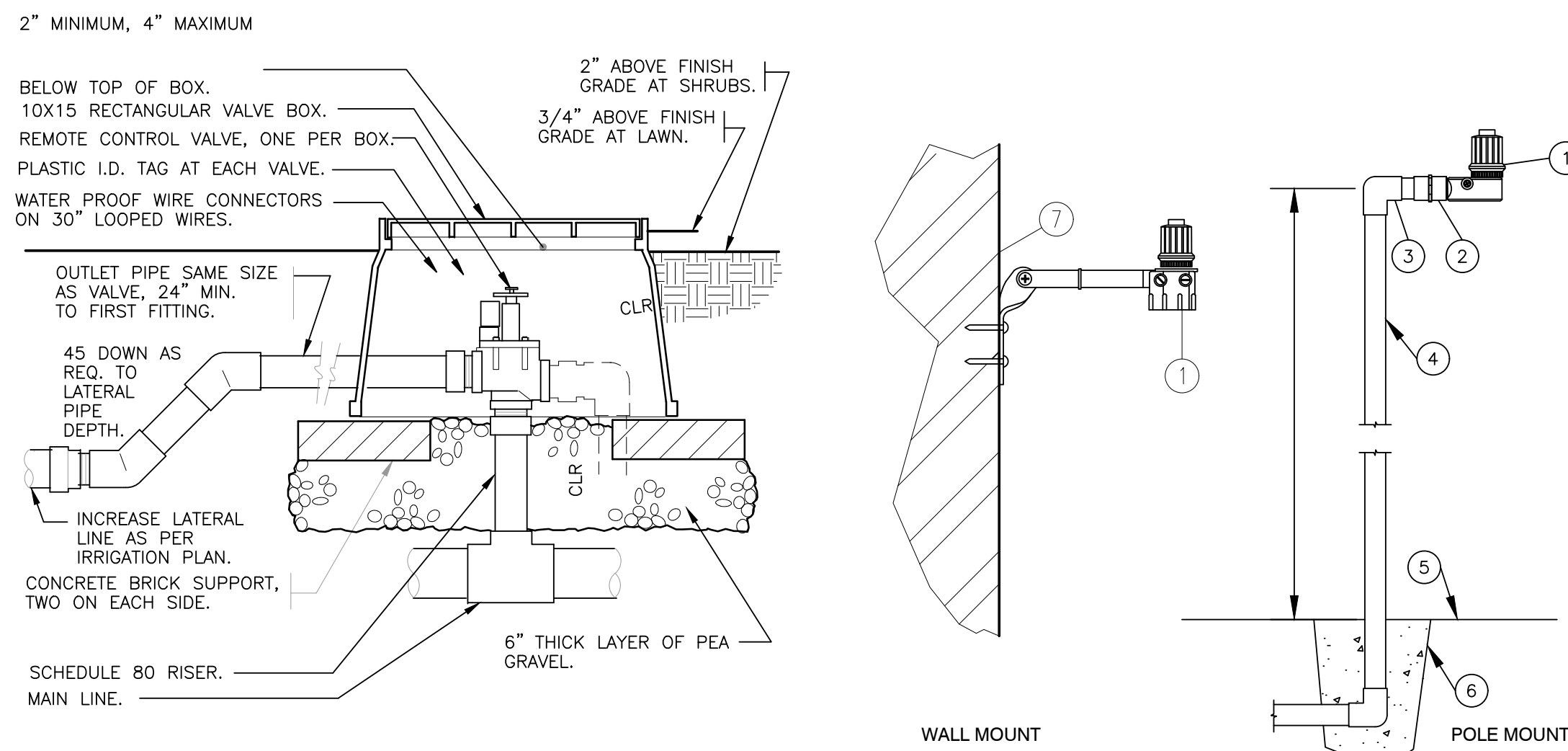


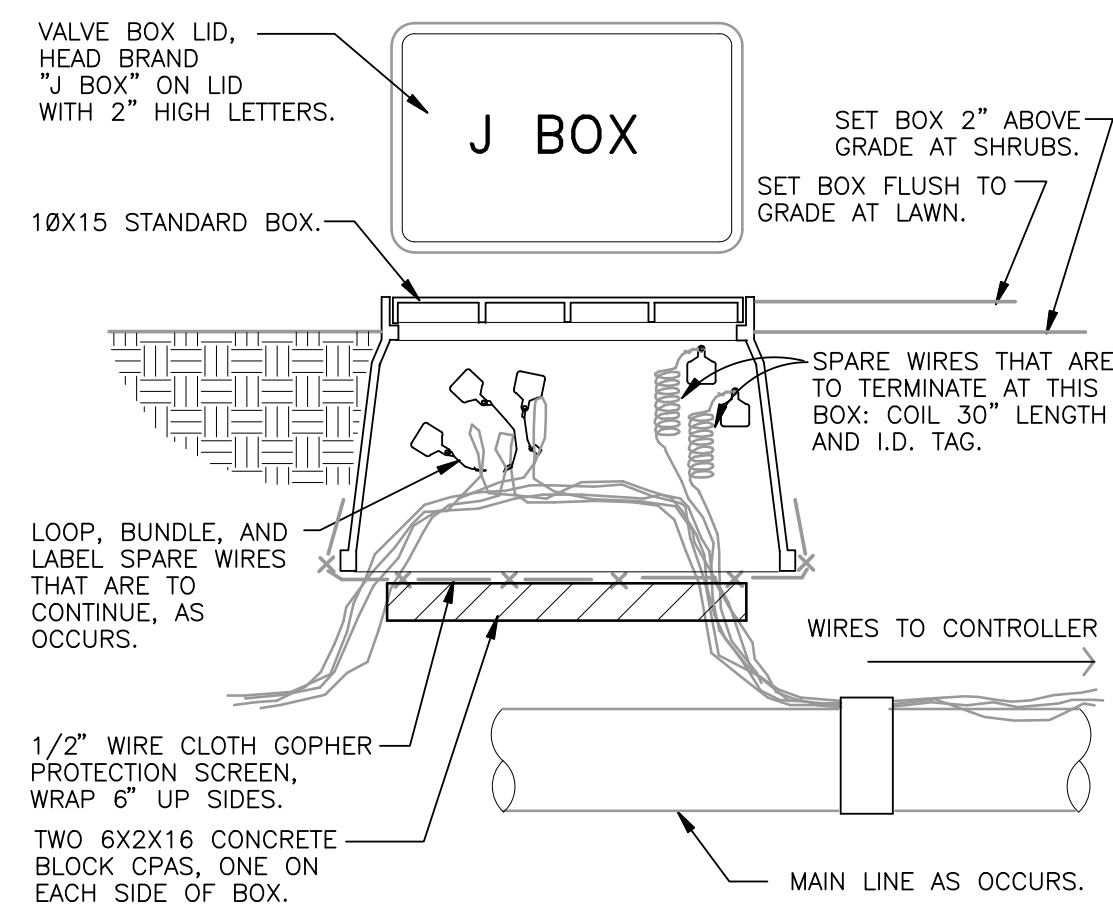
1 THRUST BLOCKING DETAIL-FILE



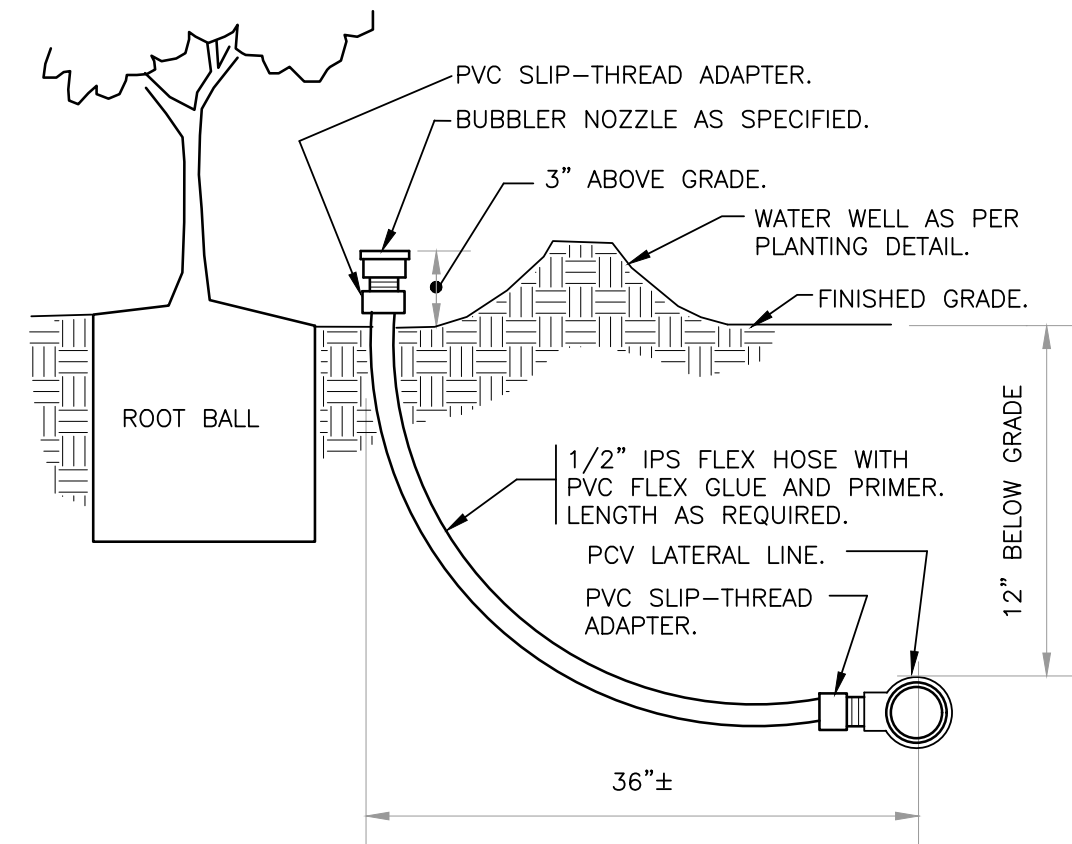
2 TRENCHING DETAIL
NOT TO SCALE 32 8409.76-03



3 ELECTRIC REMOTE CONTROL VALVE

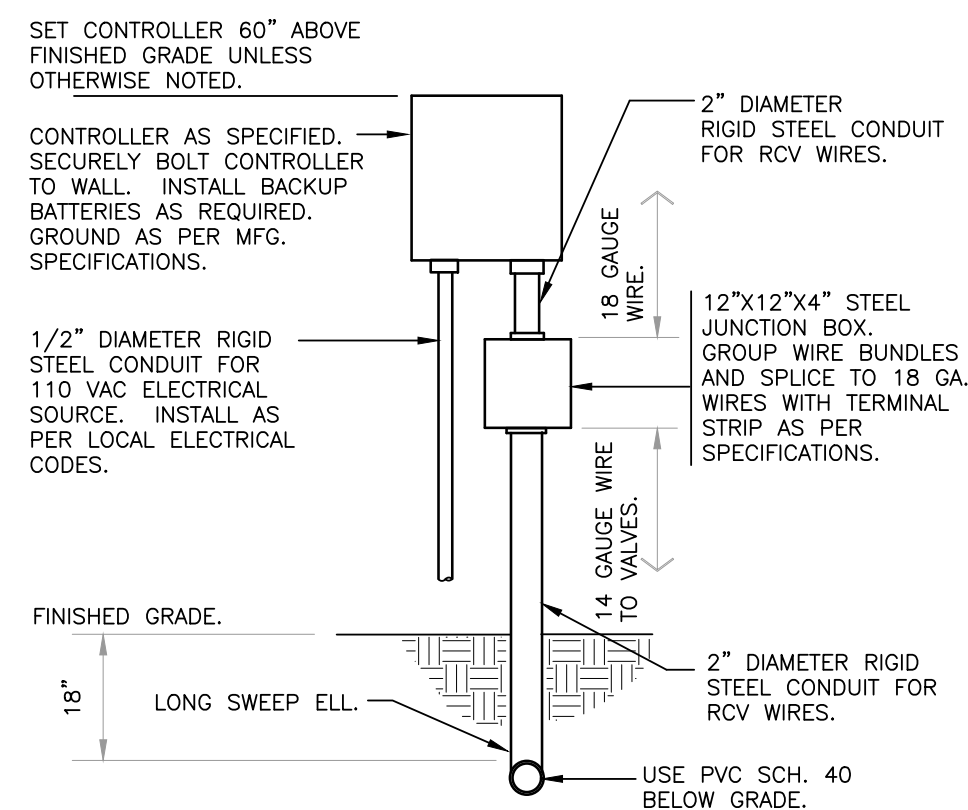


5 WIRE BUNDLE JUNCTION BOX



6 BUBBLER ON FLEX HOSE RISER

3" = 1'-0" DETAIL-FILE



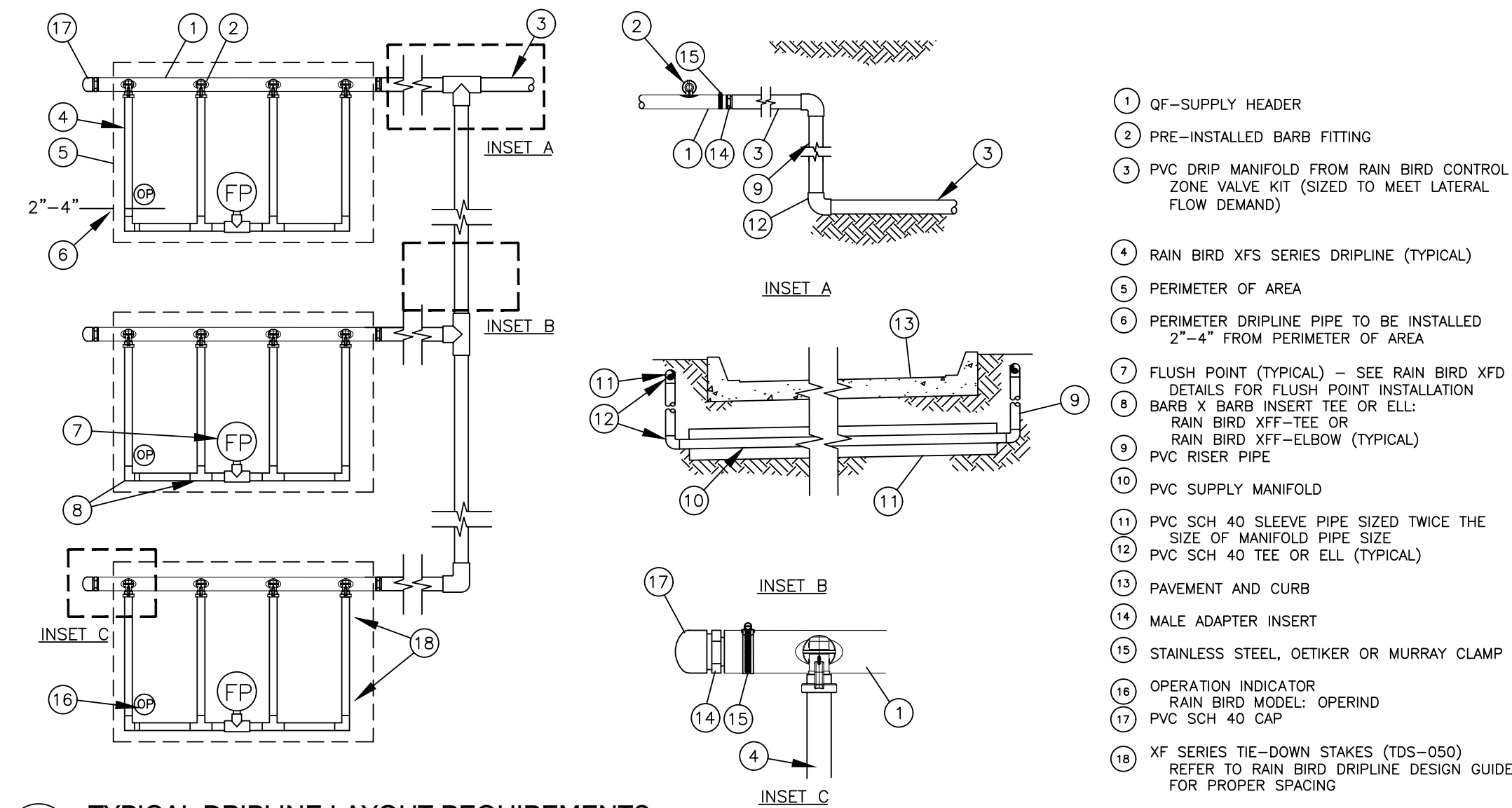
7 WALL MOUNT CONTROLLER 1" = 1'-0" 328409.13-02

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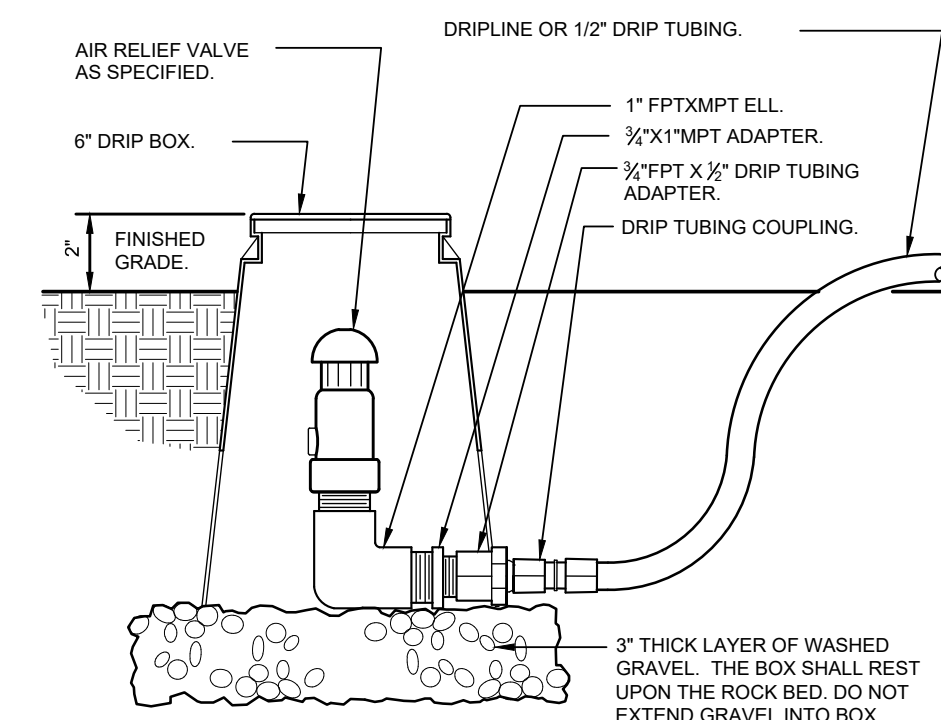


42 HOTEL PREPARED FOR ADACHE GROUP ARCHITECTS, INC		CITY OF FORT LAUDERDALE FLORIDA		SHEET NUMBER IR-450	
IRRIGATION DETAILS		KHA PROJECT 04/07/2023		KIMLEY-HORN	
		DATE 10/25/2023		© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM	
		SCALE AS SHOWN		3 ISSUED FOR DRC	
		DESIGNED BY KHA		2 ISSUED FOR DRC	
		DRAWN BY KHA		1 ISSUED FOR DRC	
		CHECKED BY ARM		ISSUED FOR DRC	
				No.	
				REVISIONS	
				DATE	
				BY	



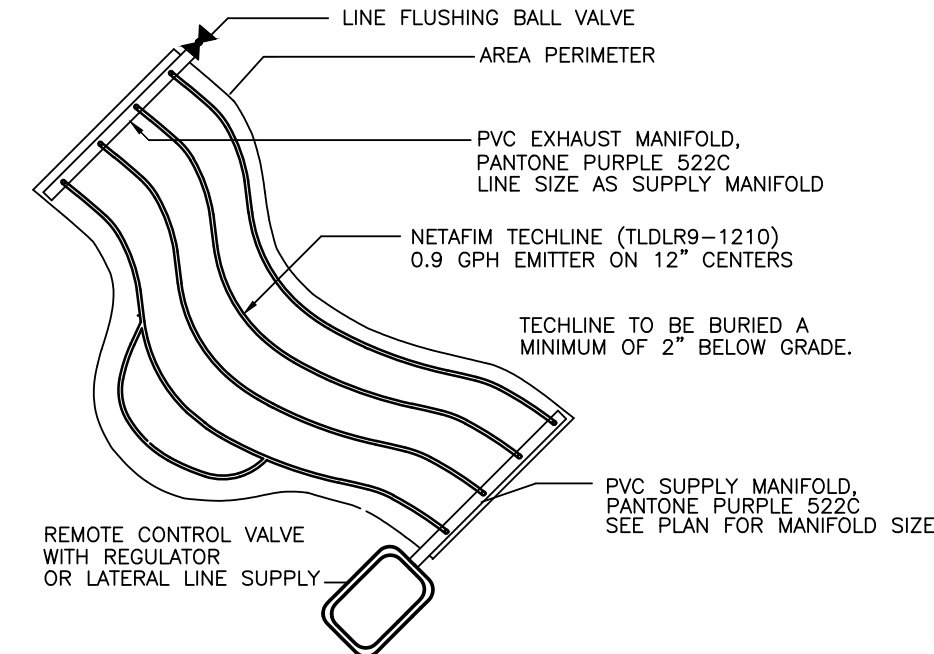
1 TYPICAL DRIPLINE LAYOUT REQUIREMENTS

DETAIL-FILE

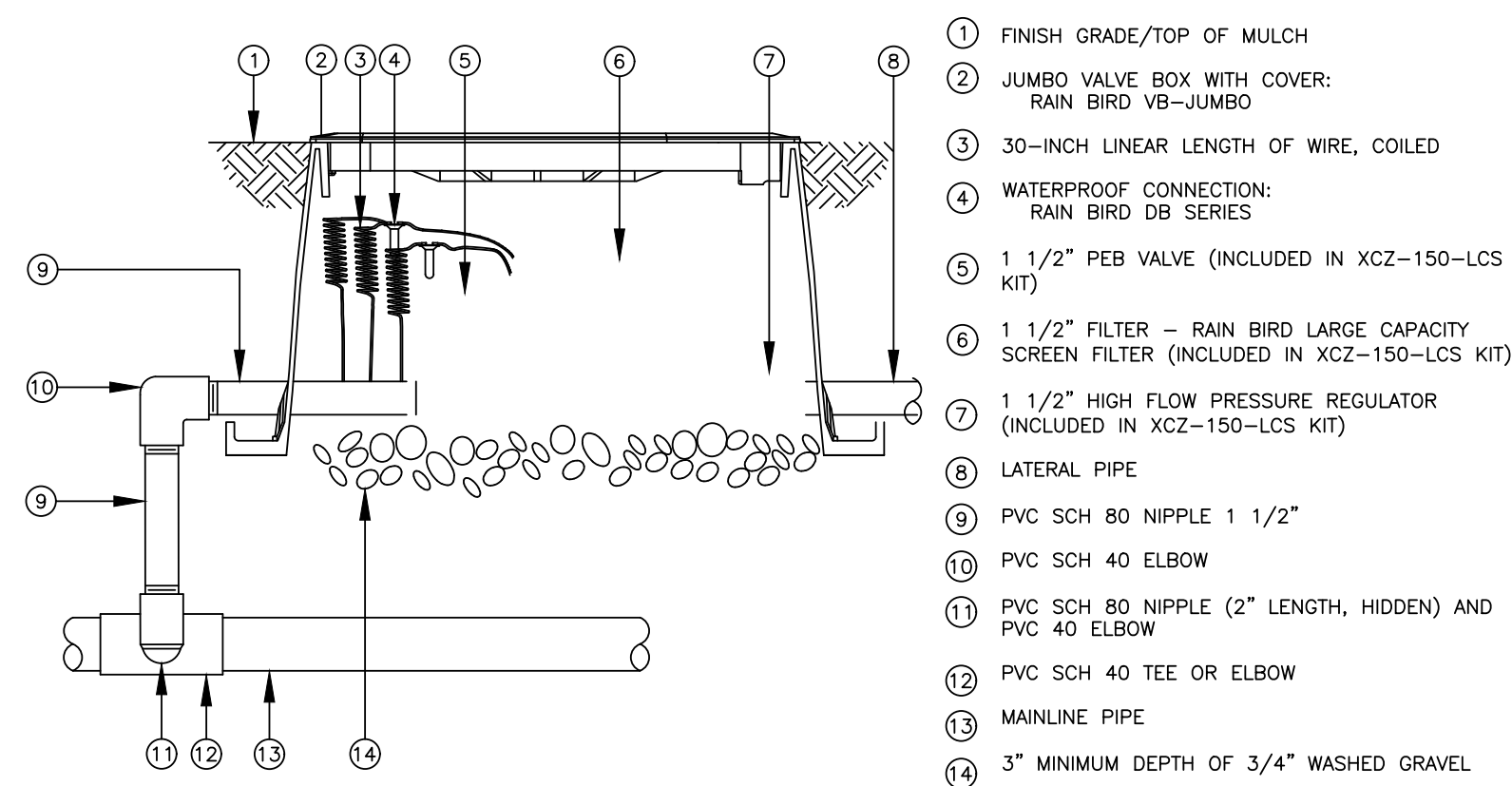


2 DRIP AIR RELIEF VALVE IN BOX
3" = 1'-0"

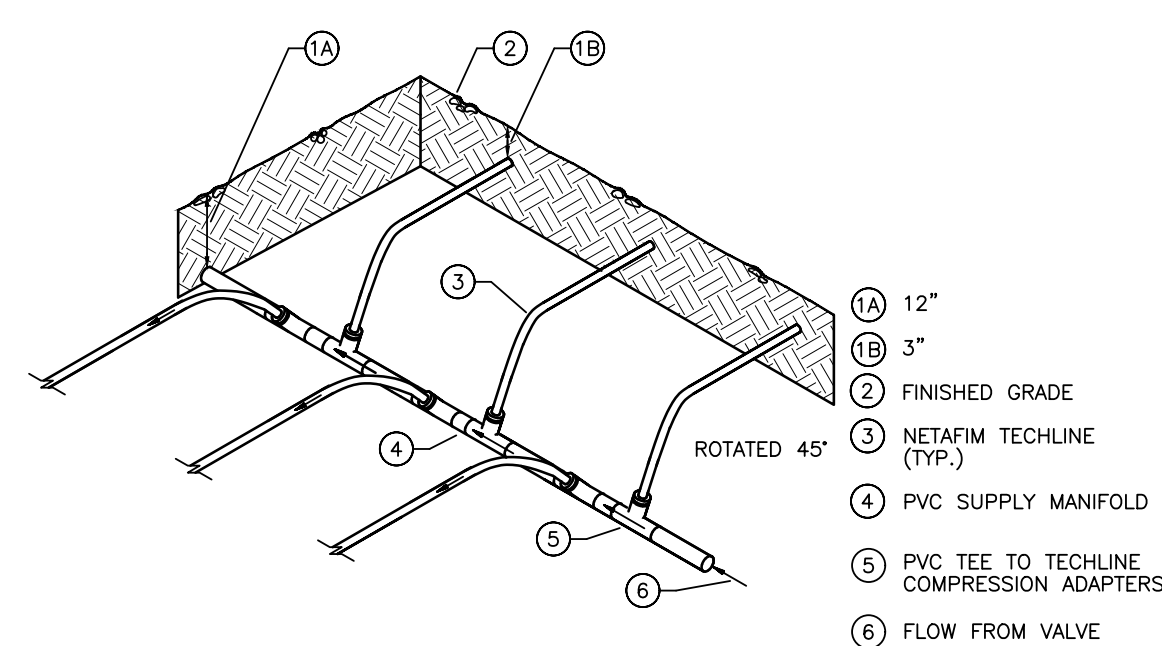
32 8413.53-03



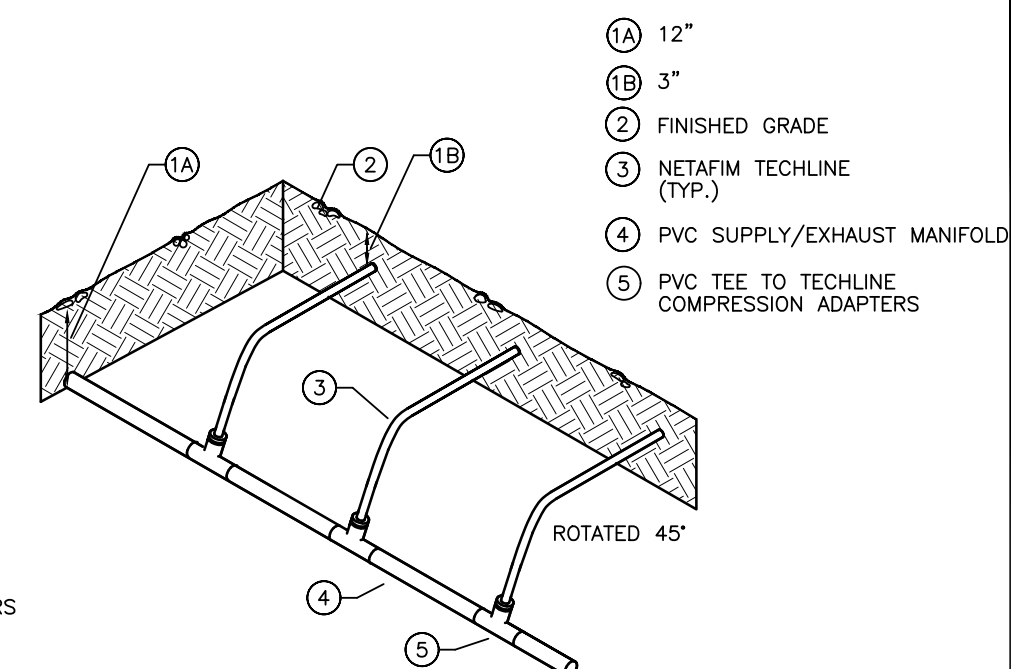
3 IRREGULAR AREAS
NOT TO SCALE



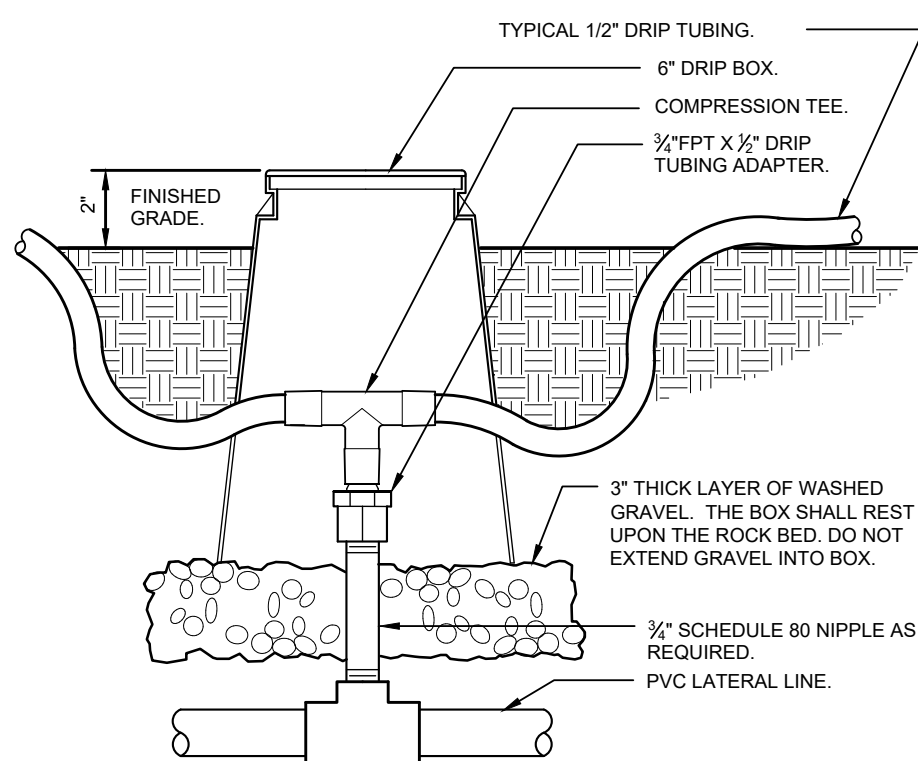
4 DRIP ZONE CONTROL VALVE KIT IN JUMBO VALVE BOX



CENTER FEED SUPPLY MANIFOLD

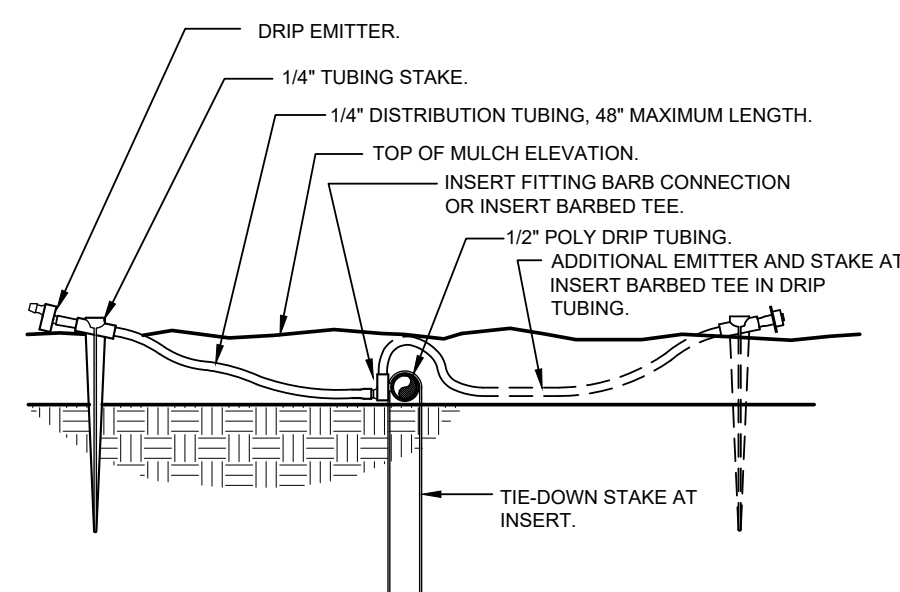


SUPPLY/EXHAUST MANIFOLD

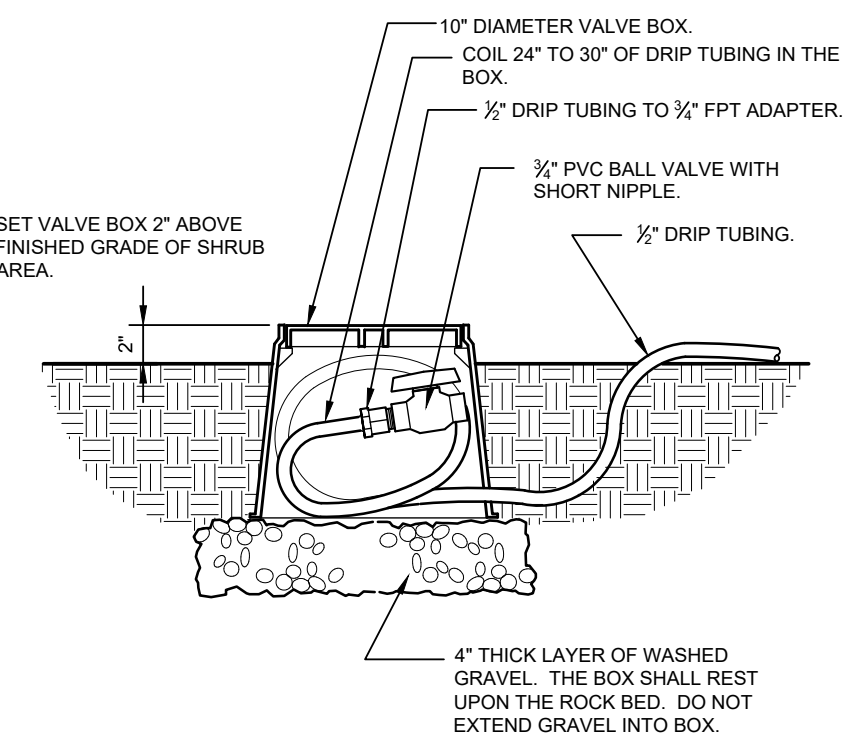


6 ZONE CONTROL
3" = 1'-0"

3" = 1'-0"



7 DRIP EMITTER AT 1/4" TUBING
3" = 1'-0"

$$3' = 1'-0''$$


8 DRIP FLUSH VALVE
1 1/2" = 1'-0"

 $1\frac{1}{2}'' = 1'-0''$

32 8413.49-03

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IRRIGATION DETAILS

42 HOTEL
PREPARED FOR
ADACHE GROUP
ARCHITECTS, INC

CITY OF FORT LAUDERDALE
FLORIDA

Kimley»»Horn

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8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

Elsevier

KHA PROJECT	DATE
040879023	10/25/2023
SCALE	AS SHOWN
DESIGNED BY	KH
DRAWN BY	KH
CHECKED BY	AR

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SHEET NUMBER
IR-451

2.09 AUTOMATIC CONTROL VALVE		PART III: EXECUTION		3.07 CONDUIT AND SLEEVES	
The automatic remote control valves shall be as specified on the plans, or approved equal.		3.01 INSPECTION		A. Conduit and Sleeves for Control Wiring and Main/Lateral Pipe: The Contractor shall provide and install where necessary. Contractor shall coordinate locations of previously installed sleeving with the General Site Contractor.	
2.10 GATE VALVES		The Contractor shall examine the areas and conditions under which landscape irrigation system is to be installed and notify the Landscape Architect in writing of conditions detrimental to the proper and timely completion of the work. The Contractor shall proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Landscape Architect.		The Contractor shall coordinate installation of sleeves with work of other disciplines.	
A. Gate valves for 3/4" through 2-1/2" shall be of brass or bronze construction, solid wedge, IPS threads, non-rising stem with wheel operating handle, for a continuous working pressure of 150 PSI.		3.02 PREPARATION		3.08 CONTROLS	
B. Gate valves for 3" and larger: Iron body, brass or bronze mounted AWWA gate valves, with a clear waterway equal to the full nominal diameter of the valve, rubber gasket for a continuous working pressure of 150p PSI. Valve shall be equipped with a square operating nut.		The Contractor shall provide sleeves to accommodate piping under walks or paving. The Contractor shall coordinate with other trades and install to accurate levels prior to paving work. Cutting and patching of paving and concrete will not be permitted. The Contractor shall maintain all warning signs, shoring, barricades, flares and red lanterns, as required by any local codes, ordinances or permits.		A. The Contractor shall connect electric control valves to controllers in a clockwise sequence to correspond with station settings beginning with Stations 1, 2, 3, etc. Automatic controllers shall be provided and installed by the Contractor as noted on the drawings. All zones will be labeled on the controller.	
2.11 VALVE BOXES		3.03 TRENCHING AND BACKFILLING		B. Controllers shall be equipped with lightning protection and grounded to a standard 5/8" copper clad steel ground rod driven a minimum of 8' into the ground and clamped.	
A. For gate valves, use AMETEK #10-181-014 box with #10-181-015 locking lid, or as per the drawings.		A. Excavation: The Contractor shall stake out the location of each run of pipe, sprinkler heads, sprinkler valves and isolation valves prior to trenching. Excavation shall be open vertical construction sufficiently wide to provide free working space around the work installed and to provide ample space or backfilling and tamping. Trenches for pipe shall be cut to required grade lines, and compacted to provide accurate grade and uniform bearing for the full length of the line. The bottom of the trenches shall be free of rock or other sharp edged objects. Minimum cover shall be as follows:		C. The electrical service to the controllers shall be performed by an electrical subcontractor in compliance with NEC requirements.	
B. For control valves 3/4" through 2", the drip valve assemblies, use AMETEK #10-181-014 box with #10-181-015 locking lid, or sized as necessary to effectively house the equipment		Pipe and Wire Depth		3.09 CONTROL WIRE	
C. For control wiring splices, use AMETEK #10-181-014 box with #10-181-015 locking lid, or as per the drawings.		Pressure Mainline 18" at top of pipe from Finish Grade Lateral Piping (rotor) 12" at top of pipe from Finish Grade Lateral Piping (pop-up) 12" at top of pipe from Finish Grade Control Wiring Side of main Line		A. Control wiring between the controller and electric valves shall be buried in main line trenches or in separate trenches. Electrical connection at valve will allow for pigtail so solenoid can be removed from valve with sufficient slack to allow ends to be pulled 12" above ground for examination and cleaning.	
2.12 IRRIGATION WIRING		B. Minimum Clearances: All pipelines shall have a minimum clearance of six inches from each other and from lines of other crafts. Parallel lines shall not be installed directly over one another. No lateral line shall be installed in the main-line trench.		B. An expansion loop shall be provided at every valve at 100' o.c. Expansion loop shall be formed by wrapping wire at least eight times around a 3/4" pipe and withdrawing pipe.	
A. Wiring used for connecting the electric control valves to the controllers shall be Type UF, 600 volt, single strand, solid copper with PVC insulation 4/64" thick. Size shall be 14 gauge, red for "hot" or lead wires, and common wire to be 14 gauge, white in color.		3.04 INSTALLATION OF PIPING		C. The wire shall be bundled and taped every ten feet. The wire shall be laid in the trench prior to installing the pipe being careful to install wire beneath and 6" to the side of the main pipe line.	
B. Contractor shall perform an ohm test on ground to assure adequate protection against surges and indirect lightning strikes.		A. PVC Pipe and Joints: The Contractor shall not install solvent wild pipe when air temperature is below 40ø F. Installation shall be in accordance with the manufacturer's instructions.		D. Electrical connections to electric control valves shall be made with Rainbird Pen-Tite or Techdel GT-3-GEL - Tite connectors or equal.	
2.13 MISCELLANEOUS MATERIALS		1. Only the solvent recommended by the pipe manufacturer shall be used. All PVC pipe and fittings shall be installed as outlined and instructed by the pipe manufacturer, and it shall be the Contractor's full responsibility to make arrangements with the pipe manufacturer for any field assistance that may be necessary. The Contractor shall assume full responsibility for the correct installation.		Power Connections: Electrical connections to power and signal wires shall be made using 3M 82-A2 power cable splice kits.	
A. Drainage Backfill: Cleaned gravel or crushed stone, graded from 1" maximum to 3/4" minimum.		3.05 BACKFILLING PROCEDURES		3.10 SPRINKLER HEADS	
B. Metalized Underground Tape: The detectable, underground utility marking tape shall consist of a minimum: 5 mil (0.005") overall thickness; five-ply composition; ultra-high molecular weight, 100% virgin polyethylene; acid, alkaline and corrosion resistant; with no less than 150 pounds of tensile break strength per 6" width; color-code impregnated with color stable, lead-free, organic pigments suitable for direct burial. Tapes utilizing reprocessed plastics or resins shall not be acceptable. The detectable, underground utility marking tape shall have a 35 gauge (0.0035") solid aluminum foil, core encapsulated within a 2.55 mil (0.00255") polyethylene backing and a 0.6 mil (0.006") PET cover coating. The laminate on each side shall consist of a 0.75 mil (0.00075") layer of hot LPDE, poly-fusing the "sandwich" without use of adhesives.		Initial backfill on PVC lines shall be pulverized native soil, free of foreign matter. Within radius of 4" of the pipe shall be clean soil or sand. Plant locations shall take precedence over sprinkler and pipe locations. The Contractor shall coordinate the location of trees and shrubs with the routing of lines and final head locations.		A. General Provisions:	
2.14 AUTOMATIC CONTROL SYSTEM		A. Backfill and Compaction: The Contractor shall leave trenches slightly mounded to allow for settlement after the backfilling is completed. The Contractor shall clean the site of the work continuously of excess waste materials as the backfilling progresses, and leave in a neat condition. No trenches shall be left open for a period of more than 48 hours. Protect open trenches as required.		1. Sprinkler heads shall be installed as designated on the shop drawings. Heads shall be installed on flexible PVC. Top to be flush with finish grade or top of curb.	
An Independent Station Controller: Furnish a solid state controller, as specified on the plans. Each station shall be capable of timing from zero (0) minute to 99 minutes per station in one (1) minute increments.		The Contractor shall carefully backfill excavated materials approved for backfilling, consisting of earth, loam, sand, and other approved materials, free of rock and debris over 1" in size. Backfill shall be compacted to original density of surrounding soil without dips, sunken areas, or irregularities.		2. Spacing of heads shall not exceed the maximum indicated on the shop drawings (unless directed by the Landscape Architect). In no case shall the spacing exceed the maximum recommended by the manufacturer.	
Each station shall be capable of operating two (2) 7VA electric valve-in-head solenoids.		The Contractor shall conform to DOT requirements for methods and required compaction percentages, for roads and paving.		B. Head Types:	
The stand-alone controller shall have two (2) possible programs.		The Contractor shall hand place the first 6" of backfill (or to top of pipe) and have it walked on so as to secure the position of the pipe and wire.		1. Pop-up- Rotary Sprinkler Heads: Shall be installed on flex joint and be set with top of head flush with finish grade. Heads installed at curb shall have 6" to 10" between perimeter of head and concrete. Heads placed at edge of pavement having no curb shall be installed 24" from edge of pavement.	
The stand-alone controller shall provide global percentage increase/decrease (water budget) for all stations simultaneously, from ten (10) to two hundred (200) percent, in ten (10) percent increments.		No wheel rolling will be allowed. The Contractor shall remove rock or debris extracted from backfill materials and dispose of offsite. The Contractor shall fill any voids left in backfill with approved backfill materials.		2. Spray Pop-up Sprinkler Heads: Shall be installed on flexible PVC and be set with top of head flush with finished grade. Sprinkler heads placed adjacent to curbs will be installed 9" from concrete. Sprinkler heads placed adjacent to pavement having no curb shall be installed 24" from the edge of pavement.	
All stations shall be able to be turned on/off manually buy operating timing mechanism or by manual switch at station output.		B. Existing Lawns: Where trenching is required across existing lawns, uniformly cut strips of sod 6" wider than trench. The Contractor shall remove sod in rolls of suitable size for handling and keep moistened until replanted. The Contractor shall replant sod within 48 hours after removal, roll and water generously. The Contractor shall resod any areas not in healthy condition equal to adjoining lawns 10 days after replanting.		3.11 COMPLETION	
The stand-alone controller shall incorporate an integral MOV surge protection into the terminal block for each of its 24 VAC field wire outputs. Controller power input wires will also incorporate surge protection.		C. Seeded Area: Trenching will be required across existing seeded areas, primarily roadway edging. The Contractor shall conform to the requirements of seeding, Section 02930 for the reseeding of the disturbed trench area.		A. Flushing: Before sprinkler heads are set, the Contractor shall flush the lines thoroughly to make sure there is no foreign matter in the lines.	
The control panel shall provide continuous display time. It shall have alphanumeric displays of descriptive English menus and legend identifiers with cursor selection of function and precision value adjustment by rotary dial input.		D. Pavements: Jack and bore or directional bore piping under paving materials as per local regulatory codes. No cutting and patching of pavement will be permitted.		The Contractor shall flush the main lines from dead end fittings for a minimum of five minutes under a full head of pressure.	
The stand-alone controller shall be UL listed and FCC approved.		3.06 VALVES		B. Testing: The Contractor shall notify Landscape Architect and Owner forty-eight (48) hours in advance of testing.	
The stand-alone controller shall have 117 VAC, 60 Hz input, 26.5 VAC, 60 Hz output for operating 24 VAC solenoids.		A. Isolation Valves: Shall be sized corresponding to adjacent pipe size. Specified valve boxes shall be installed flush with finish grade in such a manner that surface forces applied to their exposed area will not be transmitted to the piping in which the valve is installed nor any other piping, wiring or other lines in the vicinity of said valves.		Prior to backfilling of main line fittings, Contractor shall fill the main line piping with water, in the presence of the Owner/Landscape Architect, taking care to purge the air from it by operating all the sprinkler control valves one or more times and/or such other means as may be necessary. A small, high pressure pump or other means of maintaining a continuous water supply shall be connected to the main line and set so as to maintain 100 PSI in the main line system for two (2) hours without interruption. When this has been accomplished and while the pressure in the system is still 100 PSI, leakage testing shall be performed in accordance with AWWA Standard C-600. Pressure readings shall be noted and make up water usage shall be recorded. Should the rate of make up water usage indicate significant leakage, the source of such leakage shall be found and corrected and the system then retested until the Owner/Landscape Architect is satisfied that the system is reasonably sound. Lateral line testing shall be conducted during the operating testing of the system by checking visually the ground surface until no leaks in this portion of the system are evident. Leaks shall be repaired or paid for by the Contractor at any time they appear during the warranty period.	
The stand-alone controller cabinet shall be a lockable and weather-resistant outdoor cabinet. Mount as noted on plans.		B. Gate Valves: Install where shown, in valve boxes.		C. Adjustment and Coverage of System: Coordinate pressure testing with adjustments and coverage test of system so both may occur at the same time. The Contractor shall balance and adjust the various components of the system so that the overall operation of the system is most efficient. This includes a synchronization of the controllers, adjustments to pressure regulators, pressure relief valves, part circle sprinkler heads, and individual station adjustments on the controllers.	
The controller shall be equipped with lightning protection, by the Contractor, on both the primary (120v) and each secondary (24v) circuit. The controller circuits shall be grounded to a copper clad grounding rod located at each controller.		C. Electric Control Valves: Shall be installed in specified valve boxes. The valve shall have 6" of 3/4" pea gravel installed below the bottom of the valve. If the valve box does not extend to the base of the valve, a valve box extension shall be installed. Electric control valves shall be installed where shown and grouped together where practical. The Contractor shall place no closer than 24" to walk edges, bikeway edges, buildings and walls. The Contractor shall adjust the valve to provide flow rate or rated operating pressure required for each sprinkler circuit.		3.12 WARRANTY	
The controller shall be equipped for a water conservation device. as specified.				A. The Contractor shall fully warrant the landscape irrigation system for a period of one (1) year after the written final acceptance and will receive a written confirmation from the Landscape Architect that the warranty period is in effect.	

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42 HOTEL PREPARED FOR ADACHE GROUP ARCHITECTS, INC		CITY OF FORT LAUDERDALE FLORIDA		SHEET NUMBER IR-453	
IRRIGATION SPECIFICATIONS		KHA PROJECT 040879023		KHA PROJECT 040879023	
		DATE 10/25/2023		DATE 10/25/2023	
		SCALE AS SHOWN		3 ISSUED FOR DRC	
		DESIGNED BY KHA		2 ISSUED FOR DRC	
		DRAWN BY KHA		1 ISSUED FOR DRC	
		CHECKED BY ARM		ISSUED FOR DRC	
				REVISIONS	
				DATE	
				BY	
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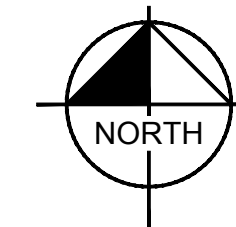


BROWARD COUNTY RESILIENT ENVIRONMENT DEPARTMENT
1 NORTH UNIVERSITY DRIVE
PLANTATION, FL 33324
(954) 519-0318
CONTACT: JOHANA NARVAEZ

KIMLEY-HORN
8201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
(954) 535-5100
CONTACT: AARON R. MACKEY, P.E.



GRAPHIC SCALE IN FEET
0 50 100 200
SCALE: 1"=100'



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GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT.
CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN
PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE
ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL
MOISTURE OF SOILS.

A circular professional engineer seal for Aaron R. Mackey. The outer ring contains the text "AARON R. MACKEY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 93208" is printed. A blue ink signature, "A. Mackey", is written across the center of the seal, overlapping the license number and the state text.



LEGEND

A/C = AIR CONDITIONER
C.B.S. = CONCRETE BLOCK STRUCTURE
C = CALCULATED
CH = CHORD
CL = CENTERLINE
C/S = CONCRETE SLAB
CONC. = CONCRETE
D.E. = DRAINAGE EASEMENT
Δ = DELTA (CENTRAL ANGLE)
ELEV., EL. = ELEVATION
F.F. = FINISHED FLOOR
F.I.P. = FOUND IRON PIPE
F.I.R. = FOUND IRON ROD
L = ARC LENGTH
L.B. = LICENSED SURVEY BUSINESS
LS = LICENSED SURVEYOR
M = MEASURED
NO I.D. = NO IDENTIFICATION
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
NAVD'88 = NORTH AMERICAN VERTICAL DATUM OF 1988
NGVD'29 = NATIONAL GEODETIC VERTICAL DATUM OF 1929

SYMBOL

CATCH BASIN
WATER METER
UTILITY POLE
LIGHT POLE
FIRE HYDRANT
CABLE BOX
ELECTRIC BOX
TELEPHONE BOX
WATER VALVE

FIRE DEPARTMENT CONNECTION
STORM MANHOLE
SANITARY MANHOLE
LIGHTED CONCRETE UTILITY POLE
OVERHEAD WIRE LINE (OHV)
CHAIN LINK FENCE (C.L.F.)
WOOD FENCE (W.F.)
METAL FENCE (M.F.)
PLASTIC FENCE (P.F.)
WIRE FENCE (W.F.)

SURVEY NOTES:

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THE FOLLOWING ITEMS ARE FROM STEWART TITLE GUARANTY COMPANY;
COMMITMENT NUMBER: 23000150050; ISSUING OFFICE FILE NUMBER:
23000150050; COMMITMENT DATE: FEBRUARY 24, 2023 AT 8:00 A.M.

ITEM	RECORDING DATA	DESCRIPTION	APPLIES?	PLOTTED?
5.	PB 7, PG 30	PLAT MATTERS	YES	YES
6.	ORB 9649, PG 196	EASEMENT	NO	NO
7.	ORB 21386, PG 437	EASEMENT	YES	YES
8.	ORB 34308, PG 875	COVENANTS, CONDITIONS, EASEMENTS	YES	NO
9.	ORB 44645, PG 914	AGREEMENT	YES	NO

MAP OF BOUNDARY SURVEY

SCALE: 1" = 20'

COMMUNITY PANEL# 125105-0388-H	FLOOD ZONE: X/AE	BASE FLOOD EL.: AE: 5.0'(NAVD'88)	DRAWN BY: DJM CHECKED BY: J.K.
DATE OF FIRM: 8/18/2014	BASIS OF BEARING: NORTH R/W LINE OF ALHAMBRA STREET, SAID LINE HAVING AN ASSUMED BEARING OF S88°34'21"W		

PROPERTY ADDRESS: 3001 ALHAMBRA STREET & 220 NORTH BIRCH ROAD, FORT LAUDERDALE, FLORIDA 33304

NOTES/REVISIONS

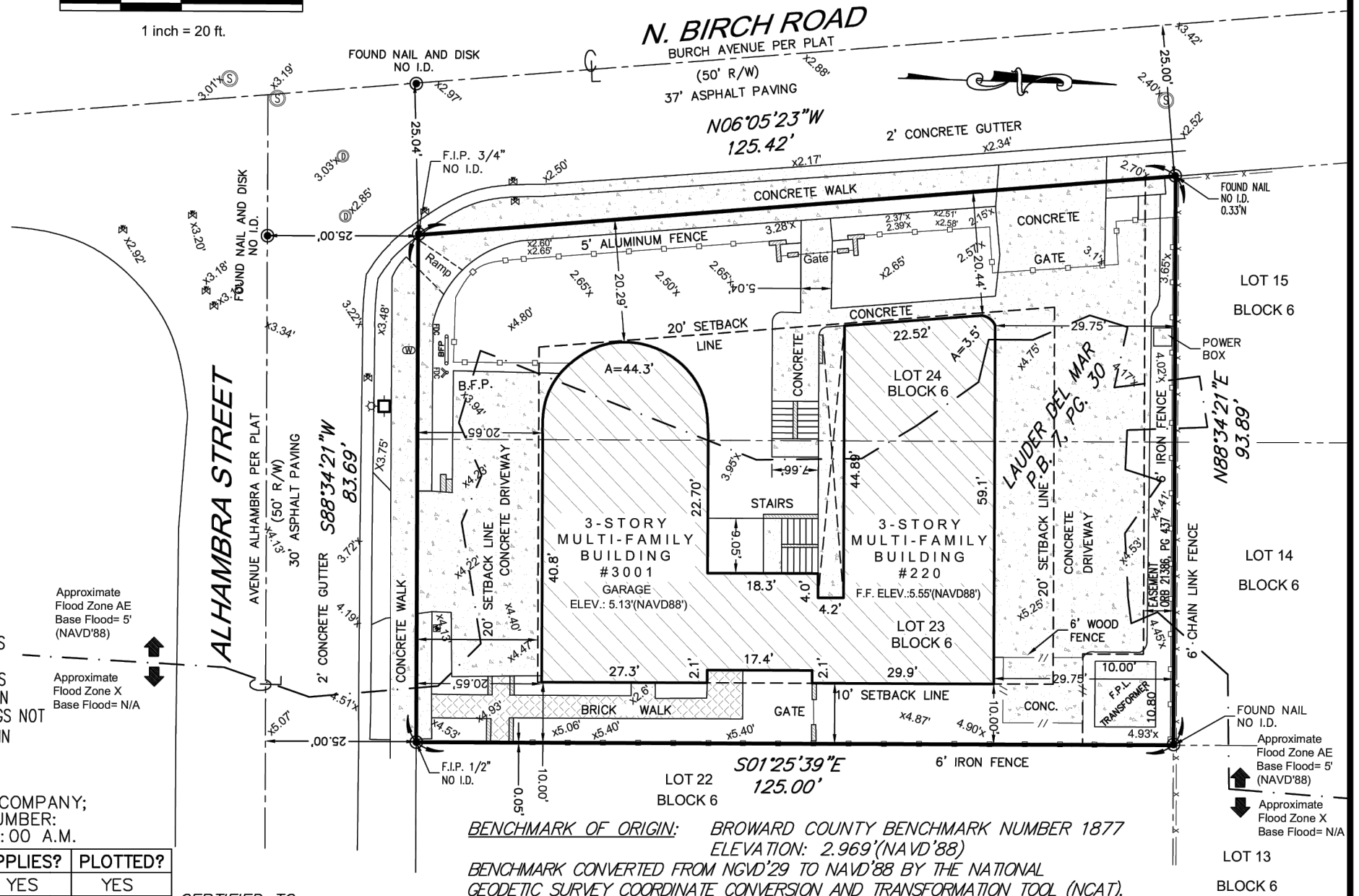
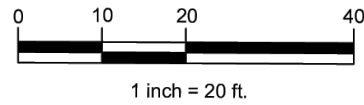
SURVEY UPDATED: 3/15/2023
PARTY CHIEF: PABLO PERALTA
SURVEY DATE: 8/21/2008

THIS SURVEY MEETS THE STANDARD OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

Date: 03/15/2023

JOHN E. KUJAR, PSM, STATE OF FLORIDA
PROFESSIONAL SURVEYOR AND MAPPER LS 6711
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

SHEET 1 OF 1
BASELINE LAND SURVEY LLC
1400 N.W. 1st COURT
BOCA RATON, FLORIDA 33432
(561) 417-0700 LB-8229
JOB NO.: 08-08-026-UPD



MINIMUM DENSITY REQUIREMENTS			
LOCATION	MATERIAL	MINIMUM DENSITY (% OF MAX)	TESTING FREQUENCY
ROADS (INCLUDES SIDEWALKS, ASPHALT PATHS)	BACKFILL	98%	VERTICAL DISTRIBUTION: ONE TEST AT EVERY LIFT STARTING AT TOP OF FIRST LIFT AND PROCEEDING UPWARD TO GRADE.
	SUBGRADE	98%	HORIZONTAL DISTRIBUTION: TESTS SHALL BE PERFORMED AT RANDOMLY SELECTED LOCATIONS WITHIN EACH 300 FOOT INTERVAL (MAXIMUM) ALONG THE LENGTH OF ROADWAY, SIDEWALK OR PATHWAY.
	BASE	98%	
MANHOLES AND VAULTS (IN ROADS AND PARKING AREAS)	IN-PLACE SUBGRADE BENEATH STRUCTURES	95%	VERTICAL DISTRIBUTION: ONE TEST AT EVERY LIFT STARTING AT THE BOTTOM OF THE STRUCTURE AND PROCEEDING UPWARD TO GRADE.
	BACKFILL BENEATH STRUCTURES	98%	HORIZONTAL DISTRIBUTION: PERFORM TESTING AT EACH STRUCTURE.
	BACKFILL AROUND STRUCTURES	98%	
	CRUSHED STONE BENEATH STRUCTURES	NOTE 6	
PARKING AREAS	BACKFILL	98%	VERTICAL DISTRIBUTION: ONE TEST AT EVERY LIFT STARTING AT TOP OF FIRST LIFT AND PROCEEDING UPWARD TO GRADE.
	SUBGRADE	98%	HORIZONTAL DISTRIBUTION: TESTS SHALL BE PERFORMED EVERY 6,000 SQUARE FEET OF PARKING AREA.
	BASE	98%	
UTILITY TRENCH BACKFILL	BEDDING AND BACKFILL	98%	VERTICAL DISTRIBUTION: ONE TEST AT EVERY LIFT STARTING AT THE SPRING LINE AND PROCEEDING UPWARD TO GRADE. HORIZONTAL DISTRIBUTION: TESTS SHALL BE PERFORMED AT RANDOMLY SELECTED LOCATIONS WITHIN EACH 300 FOOT INTERVAL (MAXIMUM) ALONG THE LENGTH OF A PIPE INSTALLATION, AND BETWEEN EACH SET OF STRUCTURES SEPARATED BY LESS THAN 300 FEET.
ROADS AND PARKING	ASPHALT	94%	ASPHALT TESTING MAY BE DONE BY CORE SAMPLING OR NUCLEAR GAUGE DENSITY TESTING. ASPHALT TESTING SHALL BE AT MAXIMUM 300 LINEAR FOOT ALONG ROADWAYS AND 6,000 SQUARE FOOT INTERVALS FOR PARKING AREAS.
NOTES: 1. THE DENSITY REQUIREMENTS PRESENTED ASSUME DRY TRENCH CONDITIONS. 2. UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS, TESTING SHALL COMPLY WITH THE REQUIREMENTS PRESENTED IN THIS TABLE. 3. LIFT THICKNESSES FOR BASE, SUBGRADE AND BACKFILL SHALL BE AS INDICATED ON THE DETAILS OR DESCRIBED IN THE SPECIFICATIONS. 4. MAXIMUM DENSITY SHALL BE DETERMINED BY ASTM D 1557 OR ASHTO T180 (MODIFIED PROCTOR). 5. FIELD DENSITY TESTS SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D 1556 OR D 2922. 6. THE AGGREGATE SHALL BE COMPACTED TO A DEGREE ACCEPTABLE TO THE ENGINEER BY USE OF A VIBRATORY COMPACTOR AND/OR CRAWLER TRACTOR.			

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS

300 North Andrews Avenue, Fort Lauderdale, Florida 33301

DENSITY TESTING NOTES

OFFICE NO.
GNRL 010

ISSUED
 2017/07/13

STREETLY - CITY OF FORT LAUDERDALE - PUBLIC WORKS DEPARTMENT - July 15, 2017

CONTROL LEGEND:

	AERIAL TARGET		IRON PIPE		PERMANENT REFERENCE MONUMENT
	BENCH MARK		IRON ROD		NAIL & TAB
	DRILL HOLE		NAIL & TAB		QUARTER SECTION CORNER
	HUB & TACK		PERMANENT REFERENCE MONUMENT		SECTION CORNER

LEGEND:

	AIR CONDITIONING UNIT
	AIR RELEASE VALVE
	ANCHOR
	BACK FLOW PREVENTER
	BASKET BALL HOOP
	BOAT ANCHOR CLEAT
	BUILDING COLUMN/PILE
	BGG GRILL
	BOLLARD
	CATV PEDESTAL
	CATCH BASIN
	CURB INLET
	COMMUNICATION MANHOLE
	COMMUNICATION VAULT
	CONCRETE LIGHT POLE
	CONCRETE POST
	CONCRETE POWER POLE
	CROSS FITTING
	DOUBLE DETECTOR CHECK VALVE
	DECOBERTE/YARD LIGHT POLE
	DETECTOR CHECK VALVE
	ELECTRICAL OUTLET
	ELECTRICAL PEDESTAL
	ELECTRICAL PULL BOX
	ELECTRICAL MANHOLE
	ELECTRICAL METER
	ELECTRICAL VAULT
	FIRE HYDRANT
	FIBER OPTIC PEDESTAL
	FLAG POLE
	FORCE MAIN VALVE
	GAS FUEL CAP
	GAS MARKER
	GAS METER
	GAS VALVE
	GAS WELL
	GATE CONTROL BOX
	GREASE TRAP MH
	HOSE BIBB

LEGEND:

	IRRIGATION CONTROL VALVE
	LIFT STATION
	LIFT STATION CAN
	LP GAS TANK
	MAILBOX
	MAIL DROP BOX
	MARKER POST
	METAL LIGHT POLE
	MONITORING WELL
	OUTFALL
	PARK BENCH
	PEDESTRIAN SIGNAL
	PILE
	PI FLAG
	PIPE
	PARKING LIGHT 1 BULB
	PARKING LIGHT 1 BULB
	PARKING LIGHT 2 BULBS
	PARKING LIGHT 2 BULBS
	PARKING LIGHT 3 BULBS
	PARKING LIGHT 3 BULBS
	PARKING LIGHT 4 BULBS
	PARKING LIGHT 4 BULBS
	PARKING METER
	PARKING METER (DOUBLE)
	PLUG
	POST INDICATOR VALVE
	REDUCER
	ROOF DRAIN
	RAILROAD CROSSING GATE
	REDUCER FITTING
	SANITARY CLEAN OUT
	SANITARY MANHOLE
	SANITARY WYE LATERAL
	SIAMESE VALVE
	SIGN
	SIGN DOUBLE POST
	SPOT-FLOOD LIGHT
	SPRINKLER HEAD

LEGEND:

	SQUARE COLUMN
	STEEL I-BEAM
	STORM CLEAN OUT
	STORM MANHOLE
	STORM DRAINAGE VAULT
	TEE FITTING
	TELEPHONE BOOTH
	TELEPHONE JUNCTION BOX
	TELEPHONE MANHOLE
	TELEPHONE ON PEDESTAL
	TELEPHONE PEDESTAL
	TELEPHONE PULL BOX
	TELEPHONE VAULT
	TEST HOLES
	TOWER
	TRAFFIC CONTROL
	TRAFFIC POLE
	TRAFFIC PULL BOX
	TRANSFER PAD
	TRASH CAN
	TRASH CAN
	UNKNOWN MANHOLE
	VALLEY CURB INLET
	BLOW-OFF VALVE
	WATER MANHOLE
	WATER METER
	WATER METER (DOUBLE)
	WATER PUMP
	WATER VAULT
	WATER VAULT
	WATER WELL
	WOOD POST
	WOOD LIGHT POLE
	WOOD TELEPHONE POLE
	WOOD POWER POLE
	YARD DRAIN

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS
100 North Andrews Avenue, Fort Lauderdale, Florida 33301






SYMBOLS AND ABBREVIATIONS
SHEET 1

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2017/07/13





PROJECT: 0706032 AND ABBREVIATIONS FOR PLUMBING - AUG 10, 2017

LANDSCAPING SYMBOLS:

	PALM TREE
	SHADE TREE
	PINE TREE
	CACTUS
	UNKNOWN TREE

LINE SYMBOLS:

	COMMUNICATION, CABLE
	TELEVISION TELEPHONE LINES
	ELECTRIC
	GAS MAIN
	SANITARY FORCE MAIN
	SANITARY SEWER MAIN
	STORM DRAINAGE


	WATER
	OVER HEAD WIRES
	EXISTING
	PROPOSED

VALVE AND FITTING ABBREVIATIONS:

ARV	AIR RELIEF VALVE
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BV	BALL VALVE
CO	CLEAN OUT
CPLG	COUPLING
CV	CHECK VALVE
DV	DIAPHRAGM VALVE
EXP JT	EXPANSION JOINT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FH	FIRE HYDRANT
FLG	FLANGE
FS	FLOOR SINK
GV	GATE VALVE
HB	HOSE BIBB
HD	HUB DRAIN
ICV	IRRIGATION CONTROL VALVE
LR	LONG RADIUS
MJ	MECHANICAL JOINT
NPT	NATIONAL PIPE THREAD
PE	PLAIN END
PV	PLUG VALVE
PRV	PRESSURE RELIEF VALVE
RED	REDUCER
SOV	SOLENOID OPERATED VALVE
THD	THREADED
VAC	VACUUM

PIPING:

CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CU	COPPER OR CUBIC
DIP	DUCTILE IRON PIPE
GIP	GALVANIZED PIPE
GSP	GALVANIZED STEEL PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
IP	IRON PIPE
PCCP	PRECAST CONCRETE CYLINDER PIPE
PVC	POLYVINYLCHLORIDE
RCP	REINFORCED CONCRETE PIPE
SCP	SECONDARY CONTAINMENT PIPE
SS	STAINLESS STEEL PIPE



CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS
300 North Andrews Avenue, Fort Lauderdale, Florida 33301

SYMBOLS AND ABBREVIATIONS
SHEET 2

REVISED BY:
GNRL
DATE:
2017/07/13

200-6411 - EXHIBIT A-00 - AMERICAN SOCIETY OF PROFESSIONAL ENGINEERS - JULY 13, 2017

GENERAL:

A	ARC DISTANCE	DISCH	DISCHARGE
AB	ANCHOR BOLT	DMH DRAIN	MANHOLE
A/C	AIR CONDITIONER	DN	DOWN
ACU	AIR CONDENSATE UNIT	DR	DRAIN
AL, ALUM	ALUMINUM	DWL	DOWEL
a	ANGLE	DWG	DRAWING
APPROX	APPROXIMATE	EA	EACH
ARCH	ARCHITECTURAL	ECC	ECCENTRIC
BLDG	BUILDING	EE	EACH END
BLK	BLOCK	EF	EACH FACE
BM	BENCHMARK	EL, ELEV	ELEVATION
BOTT	BOTTOM	ELEC	ELECTRIC
BOW BACK	OF WALK	ENGR	ENGINEER
BP	BID PACKAGE	EOP	EDGE OF PAVEMENT
CA	CENTRAL ANGLE	EW	EACH WAY
CB	CATCH BASIN	EQUIP	EQUIPMENT
CC	CENTER TO CENTER	ES	ELECTRICAL SERVICE
CHK'D	CHECKERED	ESC	EROSION AND SEDIMENT CONTROL
C.I.	CURB INLET	EXH	EXHAUST
CJ	CONSTRUCTION JOINT	EXIST	EXISTING
CL, q	CENTER LINE	EXP	EXPANSION
CLF	CHAIN LINK FENCE	EXT	EXTERIOR
CLR	CLEAR	FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
COL	COLUMN	FDR	FLOOR DRAIN
CO	COMPANY	FE	FIRE EXTINGUISHER
CONC, C	CONCRETE	FF	FINISH FLOOR
CONST	CONSTRUCTION	FG	FINISH GRADE
CONT	CONTINUOUS	FIN	FINISH
CONTR	CONTRACTOR	FL	FLOOR
CP	CONCRETE POST	FM	FORCE MAIN
DET	DETAIL	FND	FOUND
DIA	DIAMETER	FP	FLAG POLE
DIAG	DIAGONAL	FT	FOOT OR FEET
DIM	DIMENSION	FTG	FOOTING OR FITTING
DIR	DIRECTION	GALV	GALVANIZED

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS

100 North Andrews Avenue, Fort Lauderdale, Florida 33301


SYMBOLS AND ABBREVIATIONS
SHEET 3

ASCE 90
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DATE:
 2017/07/13

GPM GALLONS PER MINUTE GR GRADE H HIGH HORIZ HORIZONTAL HP HIGH POINT HS HIGH SERVICE HWL HIGH WATER LEVEL ID INSIDE DIAMETER IE INVERT ELEVATION IF INSIDE FACE IN INCH INFL INFLUENT INJ INJECTION INSUL INSULATION INT INTERIOR INV INVERT IP IRON PIPE IRRIG IRRIGATION IR IRON ROD ISO ISOLATION JCT JUNCTION JT JOINT LBS/FT POUNDS PER FOOT LG LONG LN LINE LP LOW POINT OR LIGHT POLE LR LONG RADIUS LWL LOW WATER LEVEL MANUF MANUFACTURER MAX MAXIMUM MECH MECHANICAL MGD MILLION GALLONS PER DAY MH MANHOLE MIN MINIMUM MO MASONRY OPENING MOV MOTOR OPERATED VALVE		NAVD NORTH AMERICAN VERTICAL DATUM NGVD NATIONAL GEODETIC VERTICAL DATUM NIC NOT IN CONTRACT NO NUMBER NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER OHW OVERHEAD WIRES OPNG OPENING P/L PROPERTY LINE PS PUMP STATION PT PRESSURE TREATED R RIM RAD, R RADIUS RECIR RECIRCULATION RE RIM ELEVATION REHAB REHABILITATION REINF REINFORCING REQ'D REQUIRED RW, ROW RIGHT OF WAY SECT SECTION SHT SHEET SLB SIGNAL LIGHT BOX SMH STORMWATER MANHOLE SPEC SPECIFICATION SQ SQUARE SS STAINLESS STEEL STL STEEL STRUC STRUCTURAL SYMM SYMMETRICAL TBD TO BE DETERMINED TEMP TEMPORARY THK THICK TI TEMPERATURE INDICATOR TO THROUGHOUT TOB TOP OF BANK
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TOC	TOP OF CONCRETE	<u>FLOWSTREAM IDENTIFICATION:</u>	
TOE	TOE OF SLOPE	ED	EQUIPMENT DRAIN
TOP	TOP OF PIPE	FM	FORCE MAIN
TOS	TOP OF SLAB	FR	FUEL RETURN
TYP	TYPICAL	FS	FUEL RETURN
US	UNDERGROUND ELECTRIC	OF	OVERFLOW
UNK	UNKNOWN	PW	POTABLE WATER
V	VENT	RD	ROOF DRAIN
VERT	VERTICAL	SA	SAMPLE
VP	VENT PIPE	SAN	SANITARY SEWER
VTR	VENT THROUGH ROOF	SPD	SUMP PUMP DISCHARGE
W	WIDE	STRM	STORMWATER
WI	WITH	WM	WATER MAIN
WATR	WATER		
WGR	WOOD GUARDRAIL		
WL	WATER LEVEL		
W/O	WITH OUT		
WWF	WELDED WIRE FABRIC		
WUP	WOOD UTILITY POLE		




Aaron R Mackay



CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS
200 North Andrews Avenue, Fort Lauderdale, Florida 33301

SYMBOLS AND ABBREVIATIONS
SHEET 5

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GNRL
011
DATE
2017/07/13

SHEET NUMBER C-104	42 HOTEL PREPARED FOR ADACHE GROUP ARCHITECTS, INC CITY OF FORT LAUDERDALE FLORIDA	GENERAL NOTES							<div>Kimley»Horn</div> <div>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200 PLANTATION FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106</div>																			
		KHA PROJECT 040879023	DATE 10/23/2024	SCALE AS SHOWN	DESIGNED BY KHA	DRAWN BY KHA	CHECKED BY ARM		No.	REVISIONS		DATE	BY															
									3	ISSUED FOR DRC		10/25/2024	KHA															
									2	ISSUED FOR DRC		08/07/2024	KHA															
									1	ISSUED FOR DRC		09/22/2023	KHA															
										ISSUED FOR DRC		06/23/2023	KHA															

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE CITY OF FORT LAUDERDALE ENGINEERING STANDARDS, THE FLORIDA PUBLIC WORKS MANUAL, AND SPECIFICATIONS, THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION), THE FLORIDA BUILDING CODE, AND ALL OTHER LOCAL, COUNTY, STATE, AND FEDERAL STANDARDS GOVERNING THE PROPOSED WORK AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS, REQUIREMENTS, AND STANDARDS. THE CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, ROCKS, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
3. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATION THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITION THAT WILL BE ENCOUNTERED, AND THAT ANY OTHER WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE BIDDING CONDITIONS, AND TO MAKE ALL NECESSARY CONDITIONS AND BASE HIS PRICING ACCORDINGLY. GEOTECHNICAL AND ENVIRONMENTAL REPORTS ARE AVAILABLE FOR REVIEW.
4. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWAY OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO EACH UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION, AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
6. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER, AND THE ENGINEER OF RECORD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
8. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES, AND NOTIFIED THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. THE CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
9. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
10. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
11. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
13. ANY WELLS DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE OWNER, ENGINEER OF RECORD AND AFFECTED JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE MAINTENANCE OF TRAFFIC FOR THE ADJACENT PROPERTY DURING CONSTRUCTION.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL AFFECTED AND ADJACENT PROPERTY OWNERS PRIOR TO BEGINNING WORK.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD AND THE OWNER OF ANY CONFLICTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
17. PRIOR TO FINAL CLOSE-OUT THE CONTRACTOR SHALL:
 - SWEEP THE ENTIRE SITE
 - ELIMINATE ALL DEBRIS IN THE LANDSCAPING AREAS
 - PRESSURE CLEAN THE SITE ASPHALT
 - PRESSURE CLEAN THE CURBS, SIDEWALKS, AND CONCRETE
 - VAC AND CLEAN DRAINAGE SYSTEMS

SURVEY DATA

1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). HORIZONTAL COORDINATES ARE RELATIVE TO THE FLORIDA STATE COORDINATES SYSTEM, EAST ZONE, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD 83).
2. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS.
3. THE LOCATION OF EXISTING RIGHT-OF-WAY LINES, CENTERLINES, ROADWAY PAVEMENT, UTILITIES, TREES, AND OTHER PHYSICAL ABOVE-GROUND FEATURES SHOWN ON THE PLANS WERE TAKEN FROM THE SPECIFIC PURPOSE SURVEYS PREPARED ON 03/15/2023 BY:

BASELINE LAND SURVEY LLC
1400 NW 1ST COURT
BOCA RATON, FL 33432
4. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF SURVEY/CONSTRUCTION BASELINE.
5. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REPLACED IF DISTURBED BY THE CONTRACTOR AT DIRECTION OF A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
6. ANY NAVD-1988 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:

GEODETIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION N/CIG-162
6001 EXECUTIVE BLVD
ROOVSILLE, MARYLAND 20852
PHONE: 301-443-8319

PAVING GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKSMANSHIP WITHIN JURISDICTIONS RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN ADDITION, THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL EARTHEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
7. BASED ON THE CITY, COUNTY, AND FDOT REQUIREMENTS IN THE LOCATIONS WHERE NEW ASPHALT PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM OF 1.5" OR 2" DEEP (AS SPECIFIED BY THE GOVERNING REGULATORY AGENCY) FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
8. IF DETERMINING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS, THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION.
9. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED, IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.

- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FOOT STANDARDS IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
11. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE EARTHEN AREAS SHALL THEN BE SOODED OR SEEDED WITH GRASS OR OTHER APPROPRIATE PLANTING. MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SOODED OR SEEDDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
12. ALL CUT OR FILL SLOPES SHALL BE 4:1 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
14. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF SODS OR TURF, OR OTHER MEASURES TO AVOID THE POSSIBILITY OF TURBIDITY. TRAPPING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS AT THE END OF THE SHIFT. THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
15. SOD, WHERE CALLED FOR, MUST BE INSTALLED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
16. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
17. THE CONTRACTOR SHALL ENSURE THAT PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
18. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE OF TRAFFIC

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE 2015 EDITION OF THE FDOT DESIGN STANDARDS (600 SERIES), AND THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM CRITERIA.
2. IF ANY DROP OFF CONDITION CAN NOT BE CREATED AND RESTORED WITHIN THE SAME WORK PERIOD, THE CONTRACTOR SHALL USE BARRIERS PER INDEX 102-660 SERIES OF THE FDOT DESIGN STANDARDS.
3. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL OFFICER ON SITE DURING WORK ACTIVITIES.
4. THE CONTRACTOR SHALL NOTIFY ALL LOCAL POLICE DEPARTMENTS, FIRE DEPARTMENTS, AND EMS 48 HOURS IN ADVANCE OF ANTICIPATED DISRUPTION TO THE NORMAL FLOW OF TRAFFIC, INCLUDING DETOURS.
5. THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT LAUDERDALE AND THE BROWARD COUNTY SCHOOL DISTRICT TWO WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION.
6. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN FACILITIES PER STANDARD INDEX 660 DURING ALL CONSTRUCTION ACTIVITIES.
7. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE FDOT INDEX NUMBERS (600 SERIES) AND THESE DOCUMENTS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION FHWA) SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES.

TYPICAL ENGINEER OBSERVATIONS

CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS IN ADVANCE OF THE FOLLOWING ACTIVITIES:

- PRE-CONSTRUCTION MEETING
- SUBGRADE PREPARATION
- BASE INSTALLATION
- CONCRETE INSTALLATION
- UNDERGROUND PIPING AND UTILITIES INSTALLATION
- INSTALLATION OF STRUCTURES, DDCV, HYDRANTS, METERS, ETC.
- SIDEWALK INSTALLATION
- CONNECTIONS TO WATER AND SEWER MAINS
- TESTS OF UTILITIES
- ANY OTHER INSPECTION FOR WHICH A PERMITTING AGENCY REQUIRES THE ENGINEER TO BE PRESENT

3RD PARTY TEST REPORTS REQUIRED

TEST REPORTS REQUIRED FOR CLOSE OUT INCLUDE, BUT ARE NOT LIMITED TO:

- DENSITY TEST REPORTS
- ANY OTHER TESTING REQUIRED BY JURISDICTIONAL AGENCIES

RECORD DRAWINGS

1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
2. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT GRADES AND LOCATIONS OF FINISHED PAVEMENT, SIDEWALKS, CURBS, AND ALL PHYSICAL IMPROVEMENTS. SUCH GRADES SHALL BE OBTAINED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF FLORIDA, AND SHALL DOCUMENT THE INTENT OF THE PROPOSED GRADES SHOWN ON THE PLANS. THIS SHALL BE DONE AT NO COST TO THE OWNER.

PROJECT CLOSE OUT

- CLEANING UP**
- A. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEANUP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP CLEAN.
- B. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK. EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
- C. THE CONTRACTOR SHALL BEGIN ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
- D. WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE, AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK. THESE AREAS SHALL BE KEPT IN A CLEAN AND NEAT CONDITION.
- E. ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENVIRONMENTAL ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
- F. IMMEDIATELY PRIOR TO GRAND OPENING, CONTRACTOR IS TO SWEEP ENTIRE SITE, ELIMINATE ALL DEBRIS AND FUMIGATE THE LANDSCAPE AREAS AND PRESSURE CLEAN THE SITE ASPHALT, CURB, SIDEWALKS, AND CONCRETE PADS.
2. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR TO REPLACE ALL FOUND PILES WITH NAIL AND DISKS.
4. REFER TO BROWARD COUNTY AND THE CITY OF FORT LAUDERDALE STANDARDS FOR ADDITIONAL CLOSE-OUT REQUIREMENTS.

BROWARD COUNTY NOTES

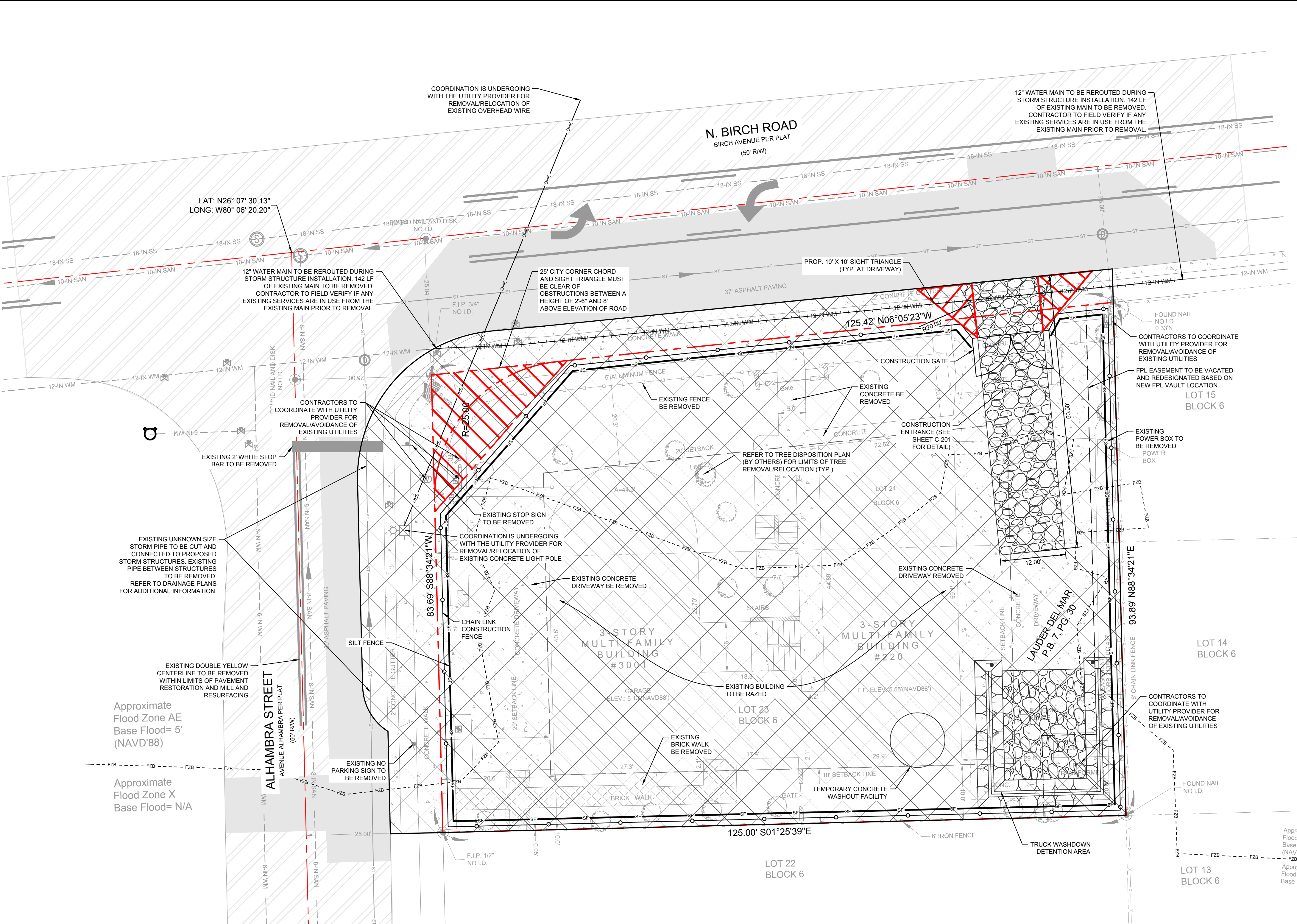
THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

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Printed By: Gacoch, Stephen Sheet: 42-HOTEL Layout: CC-107 DEMOLITION & EROSION CONTROL PLAN October 25, 2024 11:19:39am K:\18_44\1044 Jobs\040879023 7-rds 3001 alambra st\Design\CAD\Drawings\DEMOLITION & EROSION CONTROL PLAN.dwg
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CASE: UDP-S23035
P2B Exhibit 3
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CAUTION!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

LEGEND:

- PROPERTY LINE AND/OR RIGHT-OF-WAY
- CENTERLINE OF R/W
- EXISTING FLOOD BOUNDARY
- SILT FENCE
- CHAIN LINK CONSTRUCTION FENCE
- CITY CORNER CHORD AND SIGHT TRIANGLES
- CONSTRUCTION ENTRANCE
- LIMITS OF DEMOLITION: UNLESS OTHERWISE INDICATED ON PLANS, ALL ABOVE AND BELOW GROUND UTILITIES, INFRASTRUCTURE, PAVEMENT, CURBS AND APPURTENANCES TO BE REMOVED
- LIMITS OF MILL AND RESURFACE
- LIMITS OF FULL DEPTH PAVEMENT RESTORATION

EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
- STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
- DUMPSTERS ARE REQUIRED TO BE COVERED WHEN NOT EMPTYING OR FILLING.
- CONTRACTOR TO RELOCATE CONSTRUCTION FENCE AND SILT FENCE TO BE WITHIN PROPOSED PROPERTY LINES AFTER PROPOSED DEMOLITION AND RIGHT-OF-WAY IMPROVEMENTS ARE COMPLETED.
- INSTALL AND MAINTAIN DUST SCREENS ON THE INSIDE OF THE PROPOSED CONSTRUCTION FENCE IN ORDER TO PREVENT OBSTRUCTIONS TO THE SIDEWALK SHOULD THEY COME LOOSE.
- TRUCK WASH DOWN WATER TO REMOVE EXCESSIVE DIRT FROM TIRES SHALL BE STORED AND TREATED IN THE PROPOSED TRUCK WASH DOWN AREAS IN ACCORDANCE WITH DETAILS PROVIDED. TRUCK WASH DOWN LOCATIONS TO BE DETERMINED BY CONTRACTOR'S STAGING AND PHASING PLANS AND COORDINATED WITH CITY.
- PROPOSED LOCATION OF SILT FENCE AND CONSTRUCTION FENCE MAY BE ADJUSTED DEPENDING ON CONTRACTOR'S STAGING AND PHASING PLANS. CONTRACTOR TO COORDINATE WITH CITY REGARDING APPROVAL OF FENCE LOCATION.
- DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH FILTER INSERTS OR SILT SACKS.
- SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
- NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
- MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.
- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
- IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- BURNING OF DEBRIS WILL NOT BE ALLOWED.
- CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF WORK.
- THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND EXCAVATING.
- FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:
17.1 OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).
17.2 COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.
17.3 DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
17.4 COMPLETE A NOTICE OF CONSTRUCTION INTENT (NOI) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FORM 62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WEBSITE.
- SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.
- CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.
- CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL WALK-THROUGH.

SEQUENCE OF CONSTRUCTION:

- THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

CITY OF FORT LAUDERDALE NOTES:

- CONTRACTOR SHALL CLOSED-CIRCUIT TV (CCTV) THE CONDITION OF THE CITY'S STORM DRAIN SYSTEM BEFORE AND AFTER CONSTRUCTION, AND SHALL PROVIDE THE VIDEOTAPES TO THE CITY STORMWATER OPERATIONS GROUP PRIOR TO CONSTRUCTION & FINAL C.O. TO VERIFY THAT THE CITY'S STORMWATER SYSTEM HAS NOT BEEN NEGATIVELY AFFECTED BY THE CONSTRUCTION ACTIVITIES.
- IF DEBRIS IS FOUND IN THE CITY'S STORMWATER SYSTEM PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR SHALL INFORM THE CITY'S STORMWATER OPERATIONS DEPARTMENT FOR PROPER REMOVAL.
- IF DEBRIS IS FOUND IN THE CITY'S STORMWATER SYSTEMS AS A RESULT OF CONSTRUCTION ACTIVITIES, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VACUUM CLEAN THE CITY'S STORMWATER SYSTEM AND PROVIDE PROOF OF ITS FINAL CONDITION TO THE CITY'S STORMWATER OPERATIONS GROUP FOR APPROVAL PRIOR TO FINAL C.O.

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PHONE: 954-555-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

DEMOLITION & EROSION CONTROL PLAN

42 HOTEL
PREPARED FOR
ADACHE GROUP
ARCHITECTS, INC

FLORIDA
CITY OF FORT LAUDERDALE

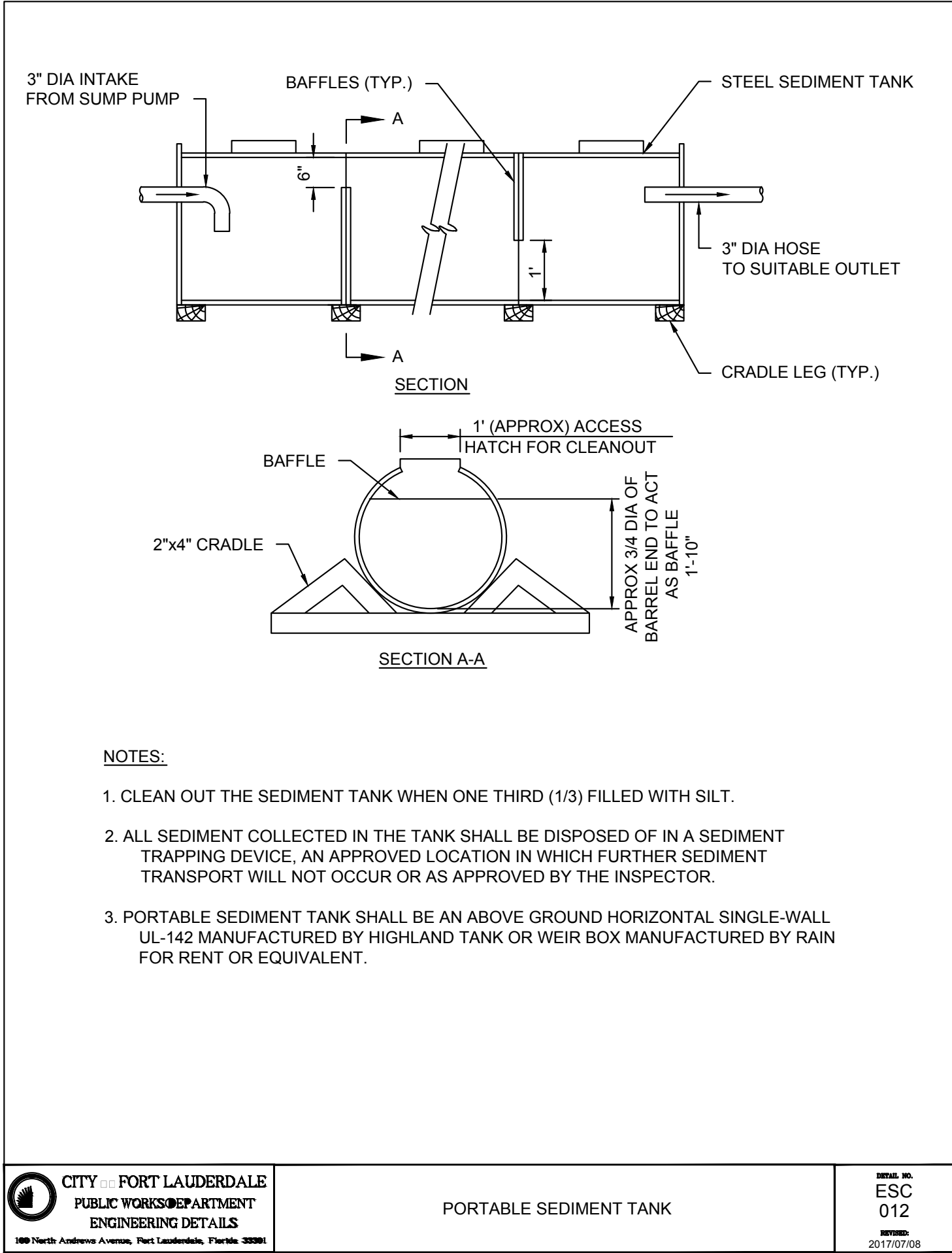
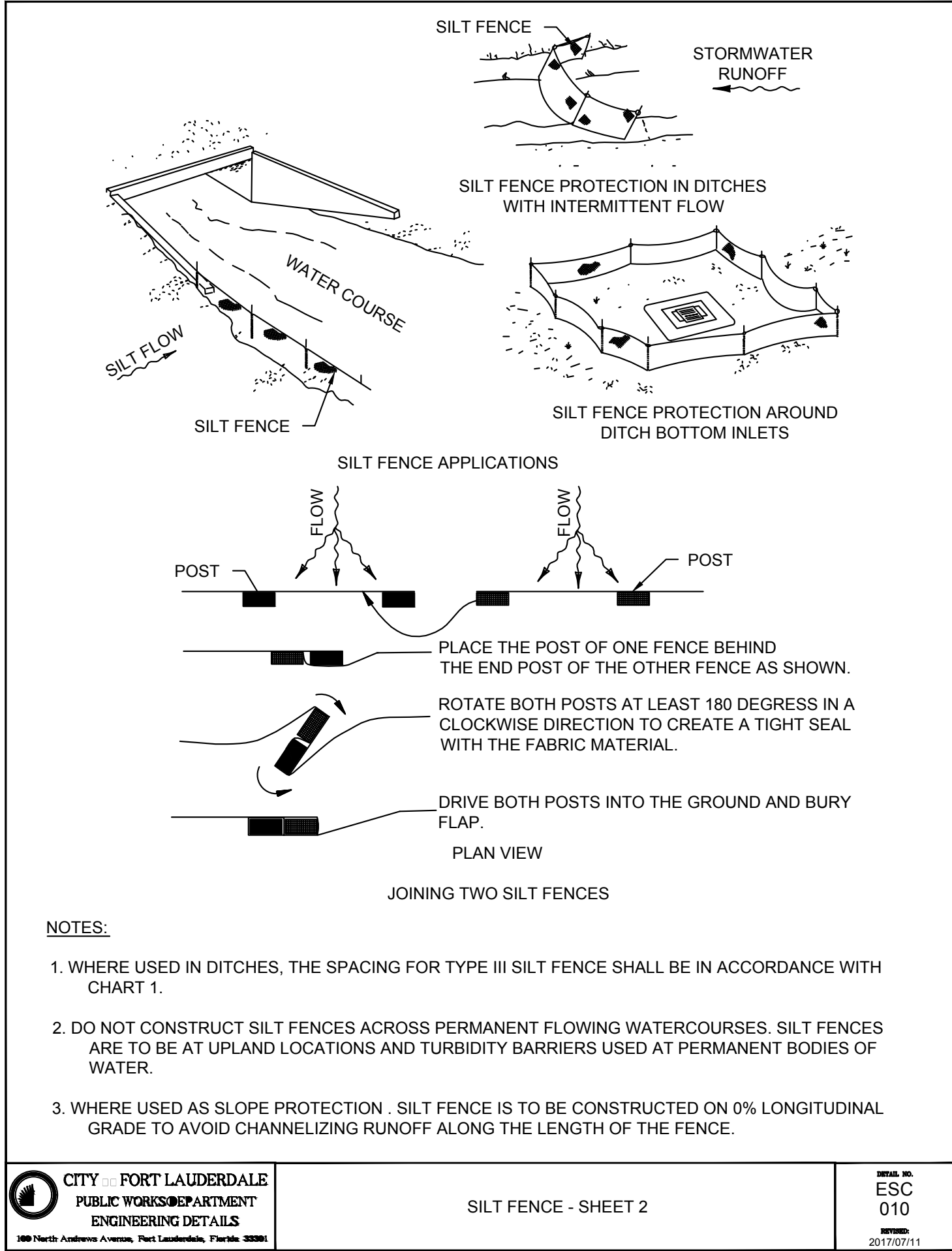
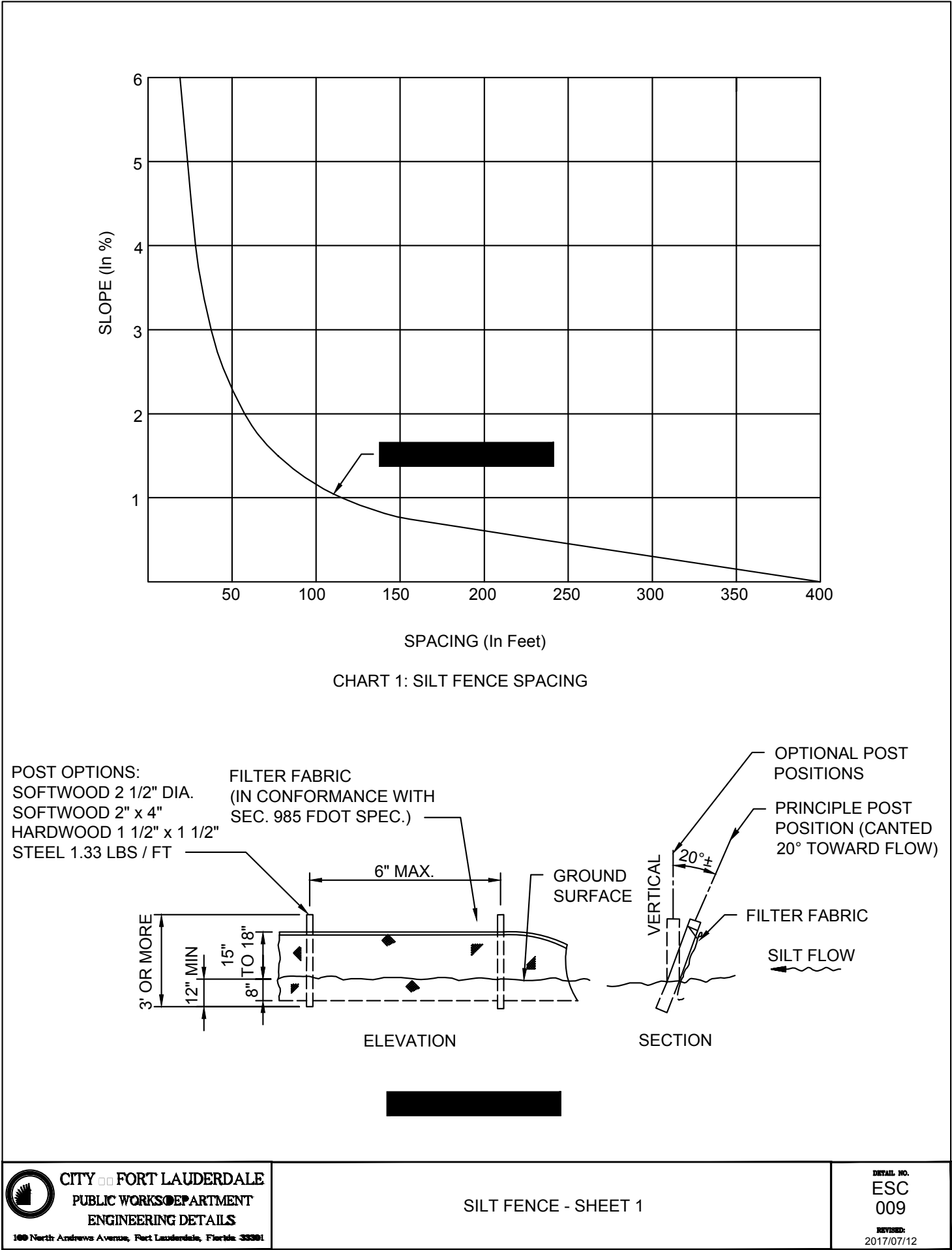
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3	10/25/2024	KHA
2	06/07/2024	KHA
1	09/22/2023	KHA
1	06/23/2023	KHA

REVISIONS

No.	DATE	BY

SHEET NUMBER
C-107

Plotted By:Gadach, Stephen Sheet Set:42-HOTEL Layout:EROSION CONTROL DETAILS 2 October 25, 2024 11:20:03am K:\ITL_civil\040 Jobs\040879023 P-usd 3001 atlantia atDesignCADD\planters\erosion control details.dwg
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42 HOTEL PREPARED FOR ADACHE GROUP ARCHITECTS, INC	CITY OF FORT LAUDERDALE FLORIDA	SHEET NUMBER C-109	EROSION CONTROL DETAILS		KHA PROJECT 040879023 DATE 10/25/2024 SCALE AS SHOWN DESIGNED BY KHA DRAWN BY KHA CHECKED BY ARM		Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE 954-535-5100 FAX 954-739-2247 WWW.KIMLEY-HORN.COM	ISSUED FOR DRC 3 10/25/2024 KHA ISSUED FOR DRC 2 06/07/2024 KHA ISSUED FOR DRC 1 09/22/2023 KHA ISSUED FOR DRC 1 06/23/2023 KHA	REVISIONS	No.	DATE	BY

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CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS

180 North Andrews Avenue, Fort Lauderdale, Florida 33301

EROSION AND SEDIMENT CONTROL NOTES
SHEET 1

MISC. NO.
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2017/07/08

EROSION AND SEDIMENT CONTROL:

1. CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.

2. DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CATCH BASIN.

3. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.

4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.

5. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

6. ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.

7. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.

8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

9. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.

10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.

11. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.

12. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.

13. BURNING OF DEBRIS WILL NOT BE ALLOWED.

14. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

15. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER WAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF WORK.

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING DETAILS

180 North Andrews Avenue, Fort Lauderdale, Florida 33301

EROSION AND SEDIMENT CONTROL NOTES
SHEET 2

MISC. NO.
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2017/07/08

16. THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND EXCAVATING.

17. FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:

17.1. OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).

17.2. COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.

17.3. DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

17.4. COMPLETE A NOTICE OF INTENT (NOI) FLORIDA DEPARTMENT OF ENVIORNMENTAL PROTECTION FORM 62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WEBSITE.

18. SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.

19. CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.

20. CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL WALK-THROUGH.

Aaron R Mackey

Professional Engineer

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY: AARON R. MACKEY, P.E., ON 10/25/2024 USING A DIGITAL SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

42 HOTEL
PREPARED FOR
ADACHE GROUP
ARCHITECTS, INC

CITY OF FORT LAUDERDALE
FLORIDA

SHEET NUMBER
C-110

EROSION CONTROL
NOTES

KHA PROJECT
040879023

DATE
10/25/2024

SCALE AS SHOWN

DESIGNED BY KHA

DRAWN BY KHA

CHECKED BY ARM

Kimley»Horn

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AARON R. MACKEY

Professional Engineer

10/25/2024 KHA

09/27/2024 KHA

09/22/2023 KHA

06/23/2023 KHA

3 ISSUED FOR DRC

2 ISSUED FOR DRC

1 ISSUED FOR DRC

No. REVISIONS

DATE BY

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