

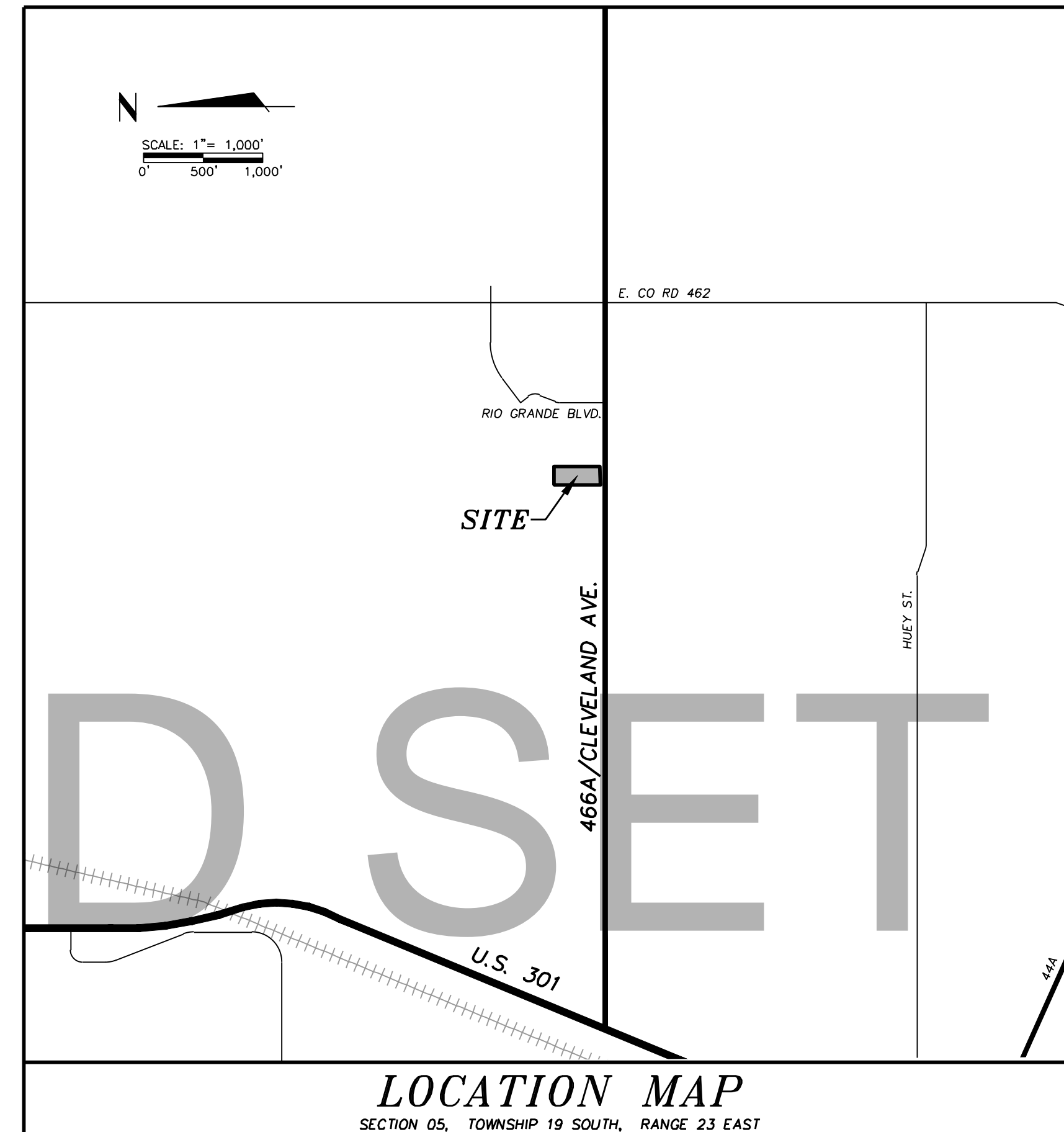
# DR. HEYDARI MEDICAL OFFICE

## ENGINEERING PLANS

CITY OF WILDWOOD, FLORIDA

### GENERAL NOTES:

- ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN CITY OF WILDWOOD DEVELOPMENT CODE AND FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AS APPLICABLE.
- NO CHANGE TO THE WORK AS SHOWN ON THESE PLANS SHALL BE MADE WITHOUT PRIOR APPROVAL BY BOTH THE CITY OF WILDWOOD AND PROJECT ENGINEERS.
- BUILDING AND PARKING SHALL BE HANDICAP ACCESSIBLE PER THE AMERICANS WITH DISABILITIES ACT (ADA), LATEST EDITION AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY BUILDING DIMENSIONS AND DOOR LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION; IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW PLANS FOR LOCATIONS WHERE STEMWALL FOUNDATIONS ARE REQUIRED.
- ALL DIMENSIONS AND RADII ARE REFERENCED TO THE FACE OF CURB OR WALK AS APPLICABLE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND COVER OF ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCY TO THE PROJECT ENGINEER. THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. CAUTION IS ADVISED PRIOR TO DIGGING.
- TYPE III SILT FENCE SHALL BE INSTALLED AS SHOWN ON THESE PLANS PRIOR TO ANY CONSTRUCTION, MAINTAINED DURING THE LIFE OF THE PROJECT, AND REMOVED FOLLOWING COMPLETION OF CONSTRUCTION.
- THE SITE SHALL REMAIN FREE OF EXCESS DUST AND DEBRIS AT ALL TIMES. ANY INCIDENCE OF EROSION, SEDIMENTATION, DUST OR DEBRIS OCCURRING OFF-SITE AS A RESULT OF CONSTRUCTION ACTIVITIES ON THIS DEVELOPMENT SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 48 HOURS OF EACH OCCURRENCE.
- ALL DRAINAGE FACILITIES AND STORM STRUCTURES MUST BE BUILT PRIOR TO CONSTRUCTION OF ANY IMPERVIOUS SURFACES.
- IF UNSUITABLE MATERIAL IS ENCOUNTERED WITHIN THE PROPOSED PARKING LOT, TWO FEET OF UNDERCUT BELOW THE PROPOSED STABILIZED SUBGRADE (OR GEOTECHNICAL ENGINEER'S RECOMMENDATION), TOGETHER WITH SUITABLE BACKFILL MATERIAL, WILL BE REQUIRED. THE CONTRACTOR SHALL PROVIDE A UNIT PRICE IN HIS INITIAL BID, AND HE SHALL NOTIFY THE PROJECT ENGINEER WHEN UNSUITABLE MATERIAL IS ENCOUNTERED. BEFORE PROCEEDING WITH ANY WORK RELATED TO UNSUITABLE MATERIAL, THE CONTRACTOR IS ADVISED TO CONTACT A LICENSED GEOTECHNICAL ENGINEER TO DETERMINE THE SUITABILITY OF THE INSTANT SOIL AND THE AREA OF UNDERCUT THAT IS REASONABLY REQUIRED.
- ASPHALT PAVEMENT SHALL BE 1 1/2" TYPE SP 12.5 ASPHALT SURFACE COURSE ON 8" COMPACTED LIMEROCK BASE COURSE (100 LBR. 98% MAX DENSITY) WITH SAND APPLICATION AND PRIME COAT FULL WIDTH (0.1 GAL./SQ.Y.) ON 12" (MIN.) TYPE B SUBGRADE STABILIZATION (40 LBR. 98% MAX DENSITY). CONSTRUCTION REQUIREMENTS OF THE LATEST EDITION OF THE F.D.O.T STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL GOVERN.
- MINIMUM STRENGTH FOR ANY CONCRETE ON SITE SHALL BE 3000 P.S.I. AT 28 DAYS (UNLESS OTHERWISE NOTED).
- ANY DISTURBED AREAS LEFT UNPAVED SHALL BE FINISH GRADED, COMPACTED TO 90% MAXIMUM DENSITY, AND SODDED OR REVEGETATED IN ACCORDANCE WITH THE LANDSCAPE PLAN. ALL SODDED AREAS SHALL BE UNDERCUT 2" PRIOR TO INSTALLATION. SEE LANDSCAPE PLAN BY MICHAEL PAPE AND ASSOCIATES, P.A. FOR SOD AND LANDSCAPING SPECIFICATIONS.
- MASTROSERIO ENGINEERING, INC. AND ITS EMPLOYEES ARE NOT RESPONSIBLE FOR ON-SITE SAFETY DURING CONSTRUCTION.
- THE ELECTRICIAN SHALL COORDINATE WITH ELECTRIC SERVICE PROVIDER FOR PLACEMENT OF ELECTRIC SERVICE. ANY SLEEVING REQUIREMENTS SHALL BE COORDINATED WITH THE SITE CONTRACTOR. THE ELECTRIC METER SHALL BE INSTALLED ON THE BUILDING WALL.
- PRIOR TO CONSTRUCTION LAYOUT, CONTRACTOR/SURVEYOR TO CONTACT PROJECT ENGINEER FOR COORDINATE DATA.
- AN AS-BUILT SURVEY SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND PROVIDED TO THE CITY AND THE PROJECT ENGINEER PRIOR TO COMPLETION OF THE PROJECT AND PRIOR TO C.O.
- SIGNAGE AND STRIPING NOTES:
  - ALL PARKING STALLS SHALL BE STRIPED WITH 6" WHITE LINES. HANDICAP SPACE(S) SHALL BE SIGNED AND SHALL HAVE 6" BLUE LINES ADDED INSIDE EACH SPACE.
  - ALL STRIPING WITHIN THE CITY RIGHT OF WAY SHALL BE THERMOPLASTIC. ALL WORK IS TO BE IN ACCORDANCE WITH F.D.O.T. STANDARDS.
  - ALL PROPOSED STOP, STREET, ADVISORY, AND OTHER SIGNAGE TO BE NEW UNLESS INDICATED OTHERWISE ON THESE PLANS.
  - ALL SIGNS ARE TO BE INSTALLED ON SQUARE GALVANIZED STEEL POSTS (14 FEET LONG, 14 GAUGE, 2"x2", WITH 3/8" HOLES 1" O.C.) UNLESS NOTED OTHERWISE BY THESE PLANS.
  - ALL SIGNS SHALL HAVE 7" OF CLEARANCE FROM BOTTOM OF SIGN TO FINISH GRADE.
  - STOP SIGNS AT DRIVEWAYS EXITING SITE AND ANY SIGNS INSTALLED IN CITY RIGHT OF WAY SHALL BE FABRICATED USING 3M DIAMOND GRADE VIP REFLECTIVE SHEETING, OTHER SIGNS ON PRIVATE PROPERTY ARE TO BE HIGH INTENSITY GRADE.
  - ALL TRAFFIC CONTROL SIGNS SHALL BE PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
  - ALL TRAFFIC CONTROLS AND SIGNALS MUST COMPLY WITH THE FLORIDA STATE STATUTES REGARDING THE INSTALLATION. ALL TRAFFIC CONTROL SIGNALS OR DEVICES MUST CONFORM TO THE MANUAL AND SPECIFICATIONS PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION TO INCLUDE BUT NOT LIMITED TO SIGN SIZE AND HEIGHT.
- COPIES OF ALL REQUIRED PERMITS TO BE PROVIDED TO CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PER F.E.M.A MAP PANEL 01320, THIS AREA IS LOCATED IN ZONE "X".
- ANY SIGNAGE WILL BE PERMITTED BY OTHERS AND SHALL CONFORM WITH THE REQUIREMENTS OF THE CITY OF WILDWOOD.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE UTILITY DEPARTMENT 2 WEEKS PRIOR TO THE START OF CONSTRUCTION, AND PRIOR TO ANY MATERIALS BEING DELIVERED ON-SITE.
- LICENSED UNDERGROUND CONTRACTOR MUST SUBMIT PLANS FOR APPROVAL TO OBTAIN A PERMIT FOR THE INSTALLATION OF THE PRIVATE FIRE HYDRANT SYSTEM. BUILDING PERMIT WILL NOT BE RELEASED FOR CONSTRUCTION UNTIL FIRE PERMIT APPLICATION HAS BEEN RECEIVED.
- WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK ON ANY STRUCTURE.



**LOCATION MAP**  
SECTION 05, TOWNSHIP 19 SOUTH, RANGE 23 EAST

### REQUIRED PERMITS:

AGENCY	PERMIT	STATUS	DATE	PERMIT NO.
CITY OF WILDWOOD	SITE PLAN	-	-	-
CITY OF WILDWOOD	SPECIAL EXCEPTION	-	-	-
S.W.F.W.M.D.	ENVIRONMENTAL RESOURCE PERMIT	-	-	-
F.D.E.P./N.P.D.E.S.	NOTICE OF INTENT	-	-	-

### WAIVERS GRANTED

WAIVER	APPROVAL CONDITIONS
-	-
-	-

### DESCRIPTION:

COMMENCE AT THE SOUTHEAST CORNER OF SW 1/4 OF NE 1/4, SECTION 5, TOWNSHIP 19 SOUTH, RANGE 23 EAST; RUN THENCE NORTH 0°05'30" WEST 30 FEET TO THE NORTH RIGHT OF WAY OF STATE ROAD 466A, THENCE NORTH 89°57'30" WEST ALONG SAID RIGHT OF WAY 55.0 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE NORTH 89°57'30" WEST ALONG SAID RIGHT OF WAY 155 FEET; THENCE NORTH 0°05'30" WEST 390 FEET; THENCE SOUTH 89°57'30" EAST 155 FEET; THENCE SOUTH 0°05'30" EAST 390.0 FEET TO THE POINT OF BEGINNING.

### SURVEY NOTICE:

SEE SEPARATE SURVEY DRAWING BY ROGERS ENGINEERING, LLC, FOR BEARINGS & DISTANCES, MONUMENTATION, STATE PLANE COORDINATES, FLOOD CERTIFICATION, ETC.

### GENERAL STATEMENT:

THE CHARACTER AND INTENDED USE OF THESE PLANS IS FOR THE CONSTRUCTION OF A MEDICAL OFFICE BUILDING, TOGETHER WITH ALL REQUIRED IMPROVEMENTS SHOWN HEREON.

### STATEMENT OF OWNERSHIP & CERTIFICATION

I HEREBY CERTIFY THAT I AND MY SUCCESSORS AND ASSIGNS SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN ON THIS PLAN.

DR. MAJID HEYDARI DATE

### SITE DATA:

OWNER: DR. MAJID HEYDARI - OWNER  
MEDICAL OFFICE  
340 HEALD WAY SITE 218  
THE VILLAGES, FL 32763  
(352) 633-2467

SITE ADDRESS: 1403 CLEVELAND AVE  
WILDWOOD, FL 34785

PARCEL ID#: G05-143

ZONING: C-1, GENERAL COMMERCIAL - DOWNTOWN

LAND USE: MEDICAL OFFICE

STANDARD SETBACKS: FRONT = 10', SIDE = 12', REAR = 0'

TOTAL SITE AREA: ±60,330 S.F. = ±1.38 ACRES (100%)

PROPOSED EMPLOYEES: 8 EMPLOYEES

PROPOSED BUILDING AREA: ±3,145 S.F. (5.2%)

FUTURE BUILDING AREA: ±6,000 S.F. (10.0%)

PROPOSED IMPERVIOUS AREA: ±32,670 S.F. (54.2%)

PROPOSED OPEN AREA: ±18,180 S.F. (41.7%)  
(NOT INCLUDING D.R.A.)

### PARKING CALCULATIONS:

PARKING REQUIRED:

±3,145 S.F. @ 1 SPACE/250 S.F. MEDICAL CENTER	=	15 SPACES
±6,000 S.F. @ 1 SPACE/250 S.F. (FUTURE MEDICAL CENTER)	=	24 SPACES
<b>TOTAL</b>	<b>=</b>	<b>39 SPACES</b>

PARKING PROVIDED:

COMPACT SPACES	=	23 SPACES
STANDARD SPACES	=	21 SPACES
HANDICAP SPACES	=	4 SPACES
<b>TOTAL</b>	<b>=</b>	<b>48 SPACES</b>

### INDEX OF SHEETS:

SHEET	DESCRIPTION
C1	COVER
C2	DEMOLITION PLAN
C3	LAYOUT PLAN
C4	UTILITY PLAN
C4a	UTILITY EXTENSION PLAN
C5	GRADING PLAN
C6	DRAINAGE PLAN
C7	EROSION CONTROL PLAN
C8	DETAILS
C9 - C10	CITY OF WILDWOOD DETAILS
L-1	LANDSCAPE PLAN (BY M.P.A.)
IR-1	IRRIGATION PERMIT PLAN (BY M.P.A.)
LTG-1	SITE LIGHTING LOCATION PLAN (BY M.P.A.)
S1	SURVEY BY ROGERS ENGINEERING, LLC.

### ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THESE PLANS MEET THE APPLICABLE REQUIREMENTS OF THE S.W.F.W.M.D. AND F.D.E.P.; TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PAOLO MASTROSERIO, P.E.  
FL LICENSE NO. #58691

DATE

### TRAFFIC IMPACT STATEMENT:

BASED ON ITE TRIP GENERATION MANUAL, 9th EDITION CODE 720 "MEDICAL-DENTAL OFFICE BUILDING"

### PROPOSED MEDICAL OFFICE

CODE	TRIPS PER DAY	PEAK HOUR	
	TOTAL	ENTERING	EXITING
720	114	5	8

CALCULATIONS ARE BASED ON GROSS FLOOR AREA (3,145 S.F.)

### UTILITY CONTACT INFORMATION:

NOTE: CONTACT INFORMATION WAS OBTAINED FROM WWW.SUNSHINE11.COM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PROVIDERS LOCATION TO CONSTRUCTION.

**CABLE TV:** CHARTER COMMUNICATIONS  
DUFFY MCCLELLAND  
(352) 527-2189

**WATER & SEWER:** CITY OF WILDWOOD  
MARK ODELL  
(352) 330-1346

**PHONE & FIBER OPTIC:** CENTURY LINK-OCALA  
BILL MCCLOUD  
(850) 599-1444

**ELECTRIC:** DUKE ENERGY OCALA  
STEPHANIE OLMO  
(407) 905-3376

SUMTER ELECTRIC COOPERATIVE, INC  
JANET COO  
(352) 569-9642 EXT:9642

**GAS:** TECO PEOPLES GAS - OCALA  
JOAN DOMING  
(813) 275-3783

**REFUSE COLLECTOR:** WASTE MANAGEMENT  
SCOTT SOUTHWORTH (ssouthor@wm.com)  
(866) 684-3142

### DESIGN TEAM:

**ARCHITECT** PAUL N. MEDLEY ARCHITECT  
101 SMOKERISE BLVD  
LONGWOOD, FL 32779  
(407) 701-6440

**LANDSCAPE ARCHITECT** MICHAEL PAPE & ASSOCIATES P.A.  
2351 S.E. 17TH STREET  
OCALA, FL 34471  
(352) 351-3500

**CIVIL ENGINEER** MASTROSERIO ENGINEERING, INC.  
170 S.E. 32ND PLACE  
OCALA, FL 34471  
(352) 433-2185

**SURVEYOR** ROGERS ENGINEERING, LLC  
1105 S.E. 3RD AVENUE  
OCALA, FL 34471  
(352) 622-9214

### MAINTENANCE NOTE:

ON-SITE UTILITIES AND INFRASTRUCTURE WILL BE OWNED AND MAINTAINED BY DR. MAJID HEYDARI, SUCCESSORS AND/OR ASSIGNS WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE ON-SITE UTILITIES.

### IMPERATIVE:

IT IS THE SURVEYOR'S AND CONTRACTOR'S RESPONSIBILITY TO HAVE THE MOST CURRENT PLAN PRIOR TO AND DURING CONSTRUCTION.

### WAIVERS GRANTED

WAIVER	APPROVAL CONDITIONS
-	-
-	-

GENERAL CONTRACTORS, INC.



48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770  
IT'S THE LAW IN FLORIDA

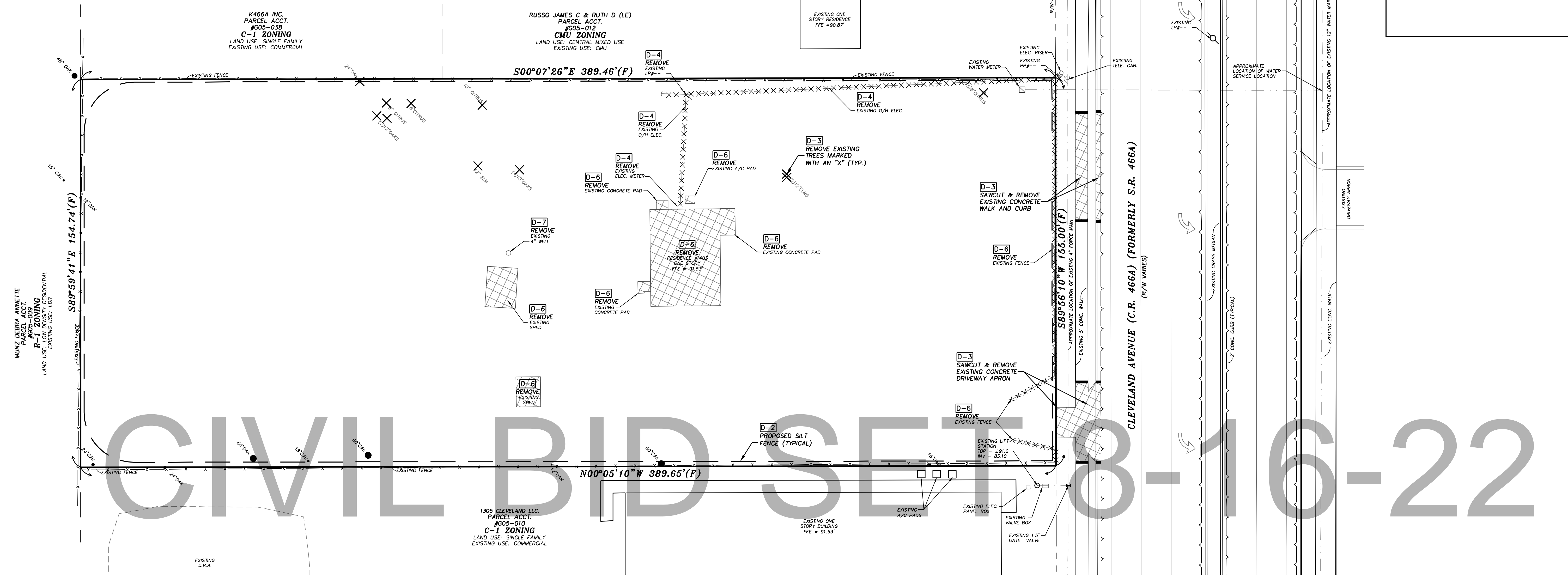
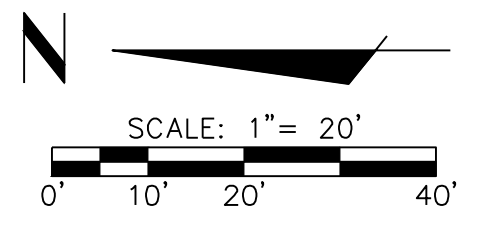
THESE PLANS ARE PREPARED IN COMPLIANCE WITH F.A.C. 115.152(2)(b)(6)

MASTROSERIO ENGINEERING, INC  
CIVIL & ENVIRONMENTAL \*  
SITE  
170 SE 32ND PLACE  
OCALA, FL 34471  
PAOLO MASTROSERIO, P.E.  
FL. CERT. OF AUTH. #26159

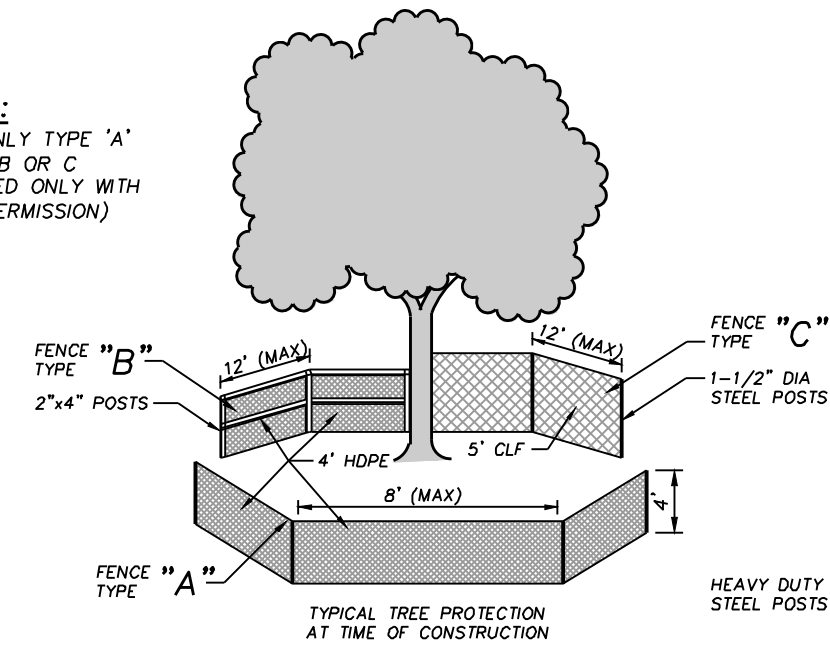
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COVER  
DR. HEYDARI MEDICAL OFFICE  
C.R. 466A CLEVELAND AVENUE  
CITY OF WILDWOOD, FLORIDA

DATE	12-07-20
SCALE	1" = 20'
DRAWN BY	SU
DRAWING NAME:	DR. HEYDARI MEDICAL OFFICE
C001	0
SHEET NO.	VERSION



**NOTE:**  
USE ONLY TYPE "A"  
(TYPE "B" OR "C"  
ALLOWED ONLY WITH  
CITY PERMISSION)



FENCE TYPE	FENCE FABRIC MATERIAL	SET FENCE AT	DISTANCE TO WORK AREA	FENCE HEIGHT (MIN.)	POST TYPE	POST SPACING (MAX)	MIDDLE & TOP SUPPORT
A	HDPE HEAVY-DUTY ORANGE CONSTRUCTION BARRIER	DRIP LINE	10- FEET OR MORE	4- FEET	H-DUTY 1- POST	8- FEET	16 GAUGE WIRE
B	HDPE HEAVY-DUTY ORANGE CONSTRUCTION BARRIER	DRIP LINE	5- FEET	4- FEET	2x4 WOOD	12- FEET	WOOD
C	GALVANIZED STEEL CHAIN LINK	DRIP LINE	3- FEET OR LESS	5- FEET	1-1/2" DIA. STEEL	12- FEET	NONE

- NOTES:**  
THE FOLLOWING PROTECTIVE MEASURES SHALL BE TAKEN TO PREVENT THE DESTRUCTION OR DAMAGE OF ALL TREES TO BE RETAINED ON THE SITE.
- THE GRADE WITHIN THE ROOT ZONE WILL NOT BE RAISED OR LOWERED MORE THAN SIX (6) INCHES.
  - BEFORE ANY EXCAVATION THE ROOT ZONES WITHIN THE CONSTRUCTION AREAS MUST BE ROOT PRUNED.
  - AT THE TIME THE TREES ARE ROOT PRUNED THE TOPS WILL BE SELECTIVELY PRUNED ACCORDING TO THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PRUNING STANDARDS FOR MATURE TREES TO COMPENSATE FOR THE ROOT LOSS.
  - TREES SAVED ON-SITE WILL BE FERTILIZED BEFORE COMMENCEMENT OF CONSTRUCTION. SOIL WITHIN THE ROOT ZONE WILL BE INJECTED WITH A HIGH PHOSPHORUS AND POTASSIUM FERTILIZER ALONG WITH A WATER ABSORBING POLYMER AND A ROOT HORMONE OR MICORRHIZAE.
  - TREES SAVED ON-SITE WILL BE IRRIGATED DURING THE CONSTRUCTION PHASE.
  - NO VEHICULAR TRAFFIC OR PARKING IS ALLOWED WITHIN THE ROOT ZONES OF THE EXISTING TREES.
  - THERE WILL BE NO TRENCHING IN THE ROOT ZONES OF THE SAVED SHADE TREES DURING OR AFTER CONSTRUCTION OF THE BUILDING.
  - NO ATTACHMENTS OF WIRES, EXCEPT PROTECTIVE GUIDE WIRES, SHALL BE ATTACHED TO ANY TREE.

**TREE PROTECTION DETAIL**

**48 HOURS BEFORE YOU DIG**  
CALL SUZANNE  
**1-800-432-4770**  
IT'S THE LAW IN FLORIDA

**IMPERATIVE:**  
IT IS THE SURVEYOR'S AND CONTRACTOR'S RESPONSIBILITY TO HAVE THE MOST CURRENT PLAN PRIOR TO AND DURING CONSTRUCTION.

**CAUTION!!**  
PRIOR TO CONSTRUCTION, CONTRACTOR TO LOCATE ALL UTILITIES AND CONTACT PROJECT ENGINEER. CAUTION IS ADVISED THAT THERE ARE FIBER OPTIC UTILITY LINES IN THE AREA. EXERCISE EXTREME CAUTION AND CONDUCT HAND EXCAVATION (SOFT DIGS) TO CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AT POTENTIAL CONFLICT AREAS PRIOR TO CONSTRUCTION!

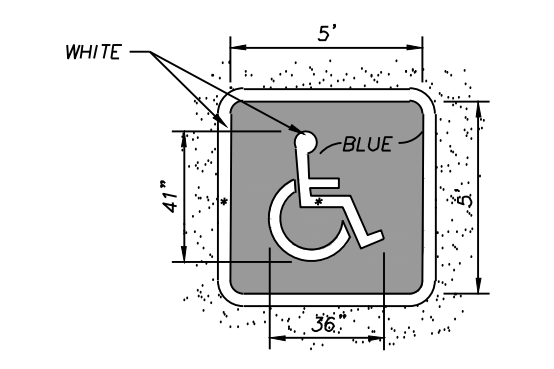
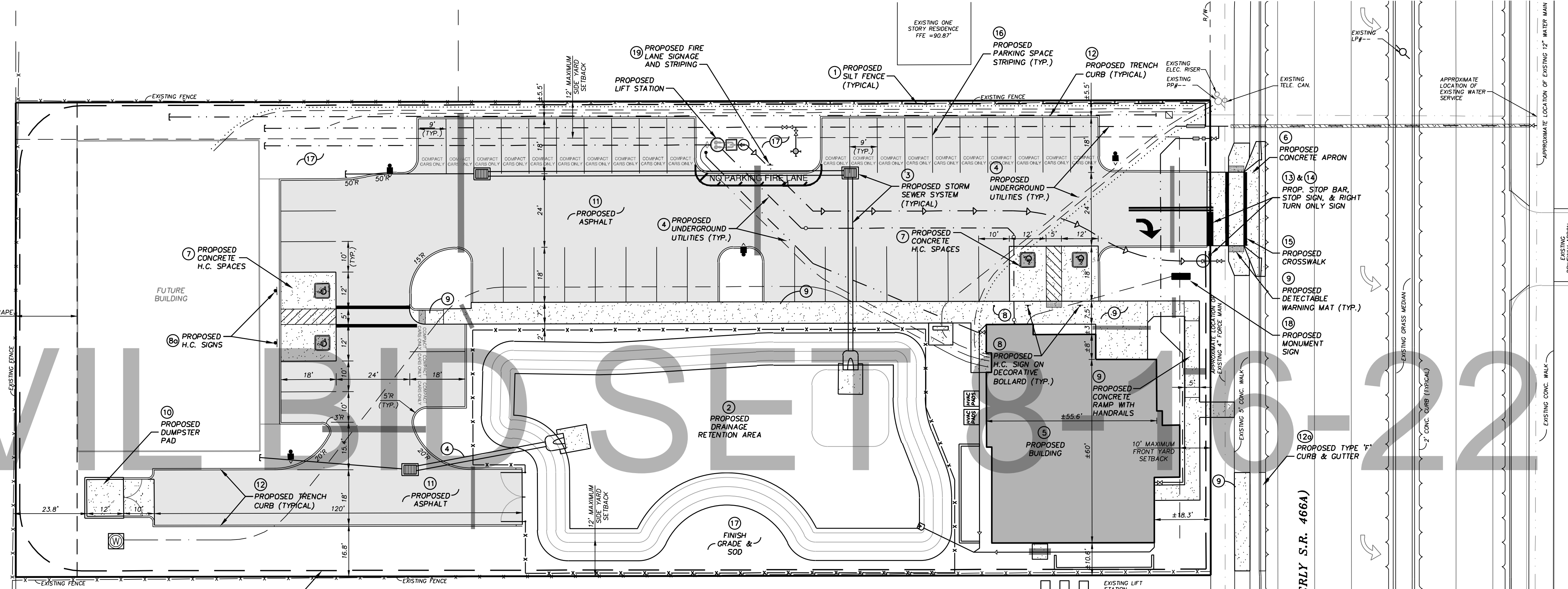
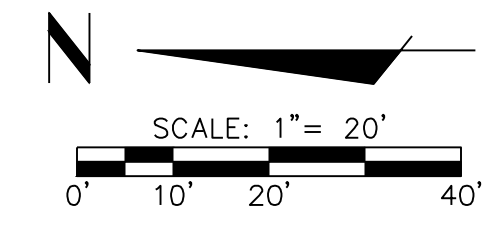
- DEMOLITION NOTES:**
- ALL NOTES LISTED BELOW SHALL BE CONDUCTED BY THE SITE CONTRACTOR UNLESS SPECIFIED OTHERWISE.
  - SITE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION PERMITS AND INSPECTIONS.
  - THIS PLAN IS INTENDED TO SHOW THE GENERAL SCOPE OF DEMOLITION. ADDITIONAL DEMOLITION THAT MAY BE REQUIRED TO PERFORM SITE IMPROVEMENTS IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
- REMOVE EXISTING FENCING AS SHOWN.
  - INSTALL SILT FENCE AND OTHER EROSION CONTROL MEASURES PRIOR TO DEMOLITION (NOT SHOWN FOR CLARITY). SEE SWPPP ON SHEET C007.
  - REMOVE EXISTING TREES MARKED WITH AN "X".
  - LOCATE AND PROPERLY ABANDON/REMOVE EXISTING UTILITY SERVICES - WATER, SEWER, SEPTIC, ELECTRIC, ETC. NOT ALL SHOWN OR LOCATED.
  - SAWCUT AND REMOVE EXISTING CONCRETE AND CURBING AS REQUIRED FOR PROPOSED CONSTRUCTION.
  - DEMOLISH EXISTING BUILDING, CONCRETE AND ALL OTHER IMPROVEMENTS AS REQUIRED.
  - PROPERLY ABANDON EXISTING WELL PER S.W.F.W.M.D. AND F.D.E.P. REQUIREMENTS. (WELL ABANDONMENT PERMITS BY CONTRACTOR).



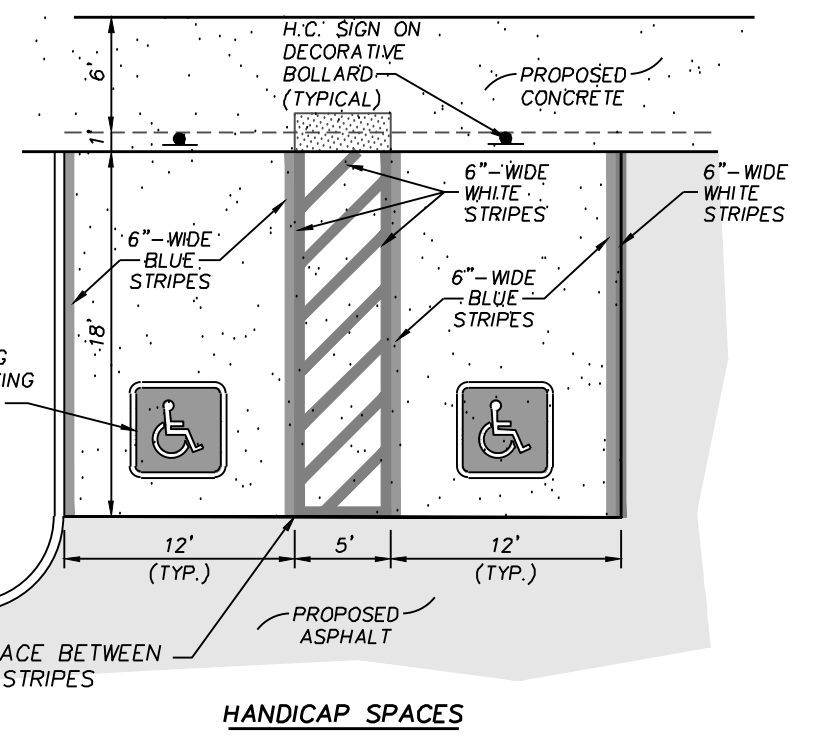
THESE PLANS ARE PREPARED IN COMPLIANCE WITH FAC. (15)19-23.00(6)	
<b>MASTROSERIO ENGINEERING, INC.</b> CIVIL & ENVIRONMENTAL 170 SE 32ND PLACE CALDWAY, FL 33447 PAOLO@MASTROSERIOENG.COM FL. CERT. OF AUTH. #26159	
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PER OWNER REVIEW PER CITY REVIEW PERMITTING ISSUE	NO. 3 2 1
DATE 12-07-20	REVISION
<b>DEMOLITION PLAN</b> DR. HEYDARI MEDICAL OFFICE	C.R. 466A CLEVELAND AVENUE CITY OF WILDWOOD, FLORIDA
SHEET NO. C002	VERSION 0

**CONSTRUCTION NOTES:**

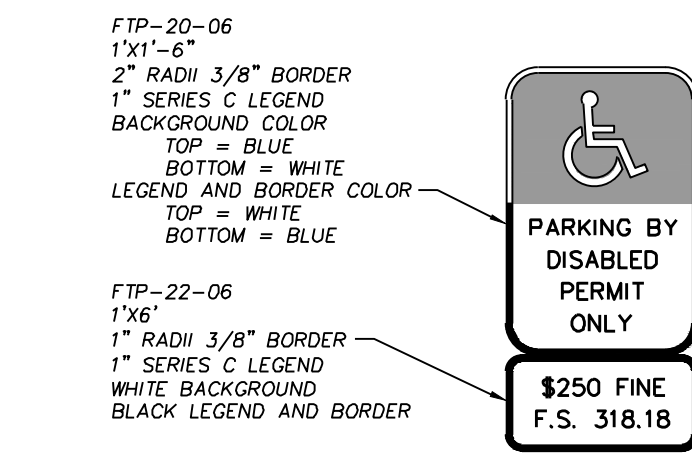
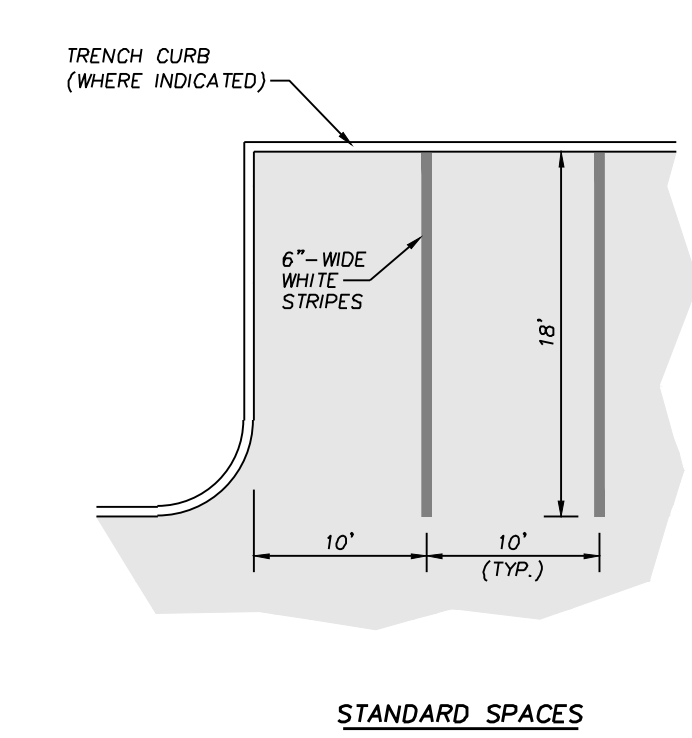
1. INSTALL SILT FENCE AND OTHER EROSION CONTROL AS SHOWN ON THE S.W.P.P. ON SHEET C7. SEE GENERAL NOTE 7 ON SHEET C1.
2. CONSTRUCT DRAINAGE RETENTION AREA WITH SODDED SIDE SLOPES AND BOTTOMS. SEE CROSS SECTIONS ON SHEET C8.
3. INSTALL STORM SEWER SYSTEM. SEE UTILITY PLAN ON SHEETS C4 FOR UTILITY CONSTRUCTION NOTES AND SEE STORM SEWER DATA CHART ON SHEET C5.
4. INSTALL UNDERGROUND UTILITIES (POTABLE, SANITARY, ELECTRIC, ETC.). SEE UTILITY PLAN ON SHEET C4 FOR NOTES, SPECIFICATIONS, ETC. NOT FULLY LABELED ON THIS SHEET FOR CLARITY.
5. CONSTRUCT ONE-STORY BUILDING. SEE GENERAL NOTE 3a. (BY BUILDING CONTRACTOR).
6. CONSTRUCT 6"-THICK FLARED CONCRETE DRIVEWAY APRON AND DROP CURB PER F.D.O.T. STANDARD PLANS INDEXES #522-003 AND #520-001.
7. CONSTRUCT 6"-THICK, 4,000 PSI, CONCRETE H.C. SPACES (WITH 6X6 #10/#10 W/M) OVER 12"-THICK STABILIZED SUBGRADE (96% MAX DENSITY, 40 LBR). SEE PARKING SPACE DETAILS ON THIS SHEET.
8. INSTALL CONCRETE FILLED STEEL BOLLARDS WITH DECORATIVE BOLLARD COVERS, AND WHERE APPLICABLE H.C. SIGNS. SEE PARKING SPACE DETAILS ON THIS SHEET AND SIGNAGE AND STRIPING NOTES ON SHEET C1.
- 9a. INSTALL H.C. SIGNS ON SIGN POST. SEE SIGNAGE AND STRIPING NOTES ON SHEET C1.
- 9b. CONSTRUCT 4"-THICK CONCRETE SIDEWALK (#10/#10 W/M), AND ALL REQUIRED CURB RAMP, RAMP, HANDRAILS, AND DETECTABLE WARNING MATS PER F.D.O.T. STANDARD PLANS INDEX #522-001, #522-002, AND #515-062. (SEE CONCRETE SIDEWALK DETAILS ON SHEET C8).
10. CONSTRUCT CONCRETE DUMPSTER PAD. SEE DETAIL ON SHEET C8.
11. CONSTRUCT ASPHALT PAVEMENT. SEE GENERAL NOTES 9 & 10 AND SEE UTILITY PLAN ON SHEETS C4 FOR UTILITY LOCATIONS AND SLEEVING TO BE INSTALLED PRIOR TO CONSTRUCTION OF ASPHALT BASE.
12. CONSTRUCT CONCRETE TRENCH CURB WHERE SHOWN. SEE DETAIL ON SHEET C8. CONSTRUCT 6" CURB TRANSITION FROM 6"-HIGH TO FLUSH AT ALL CURB ENDS.
- 12a. CONSTRUCT TYPE "F" CURB & GUTTER PER F.D.O.T. STANDARD PLANS INDEX #520-001.
13. INSTALL R1-1 STOP SIGN AND STRIPE 2"-WIDE WHITE STOP BAR WHERE INDICATED. STOP BAR AND CROSSWALK LINES TO HAVE 4"-MIN. SEPARATION. SEE SIGNAGE AND STRIPING NOTES ON SHEET C1.
14. INSTALL 24"X30" FTP-258-06 "RIGHT ONLY" RIDER SIGN AND STRIPE RIGHT TURN ARROW AND DOUBLE YELLOW STRIPING PER F.D.O.T. STANDARD PLANS INDEX #711.
15. STRIPE/PAINT (AS APPLICABLE) CROSSWALK WHERE SHOWN PER F.D.O.T. STANDARD PLANS INDEX #711.
16. PAINT PARKING SPACE STRIPING. SEE PARKING SPACE DETAILS ON THIS SHEET AND SIGNAGE & STRIPING NOTES ON SHEET C1.
17. FINISH GRADE AND SOD OR LANDSCAPE (AS APPLICABLE) ALL DISTURBED AREAS ON-SITE AND OFF-SITE. SEE GENERAL NOTE 12 AND SEE LANDSCAPE PLAN BY MICHAEL PAPE AND ASSOCIATES, P.A.
18. INSTALL MONUMENT SIGNAGE (BY SEPARATE PERMIT). SITE CONTRACTOR TO COORDINATE SERVICE CONDUIT WITH BUILDING AND SIGN CONTRACTOR PRIOR TO INSTALLATION OF PAVEMENT BASE.
19. PAINT YELLOW 2"-TALL "NO PARKING FIRE LANE" TEXT AND 6"-WIDE YELLOW STRIPING AS SHOWN AND INSTALL 12"x18" SIGN WITH WHITE BACKGROUND AND RED LETTERS WITH THE FOLLOWING WORDING "NO PARKING FIRE LANE BY ORDER OF FIRE DEPARTMENT". SEE SIGNAGE AND STRIPING NOTES ON SHEET C1.



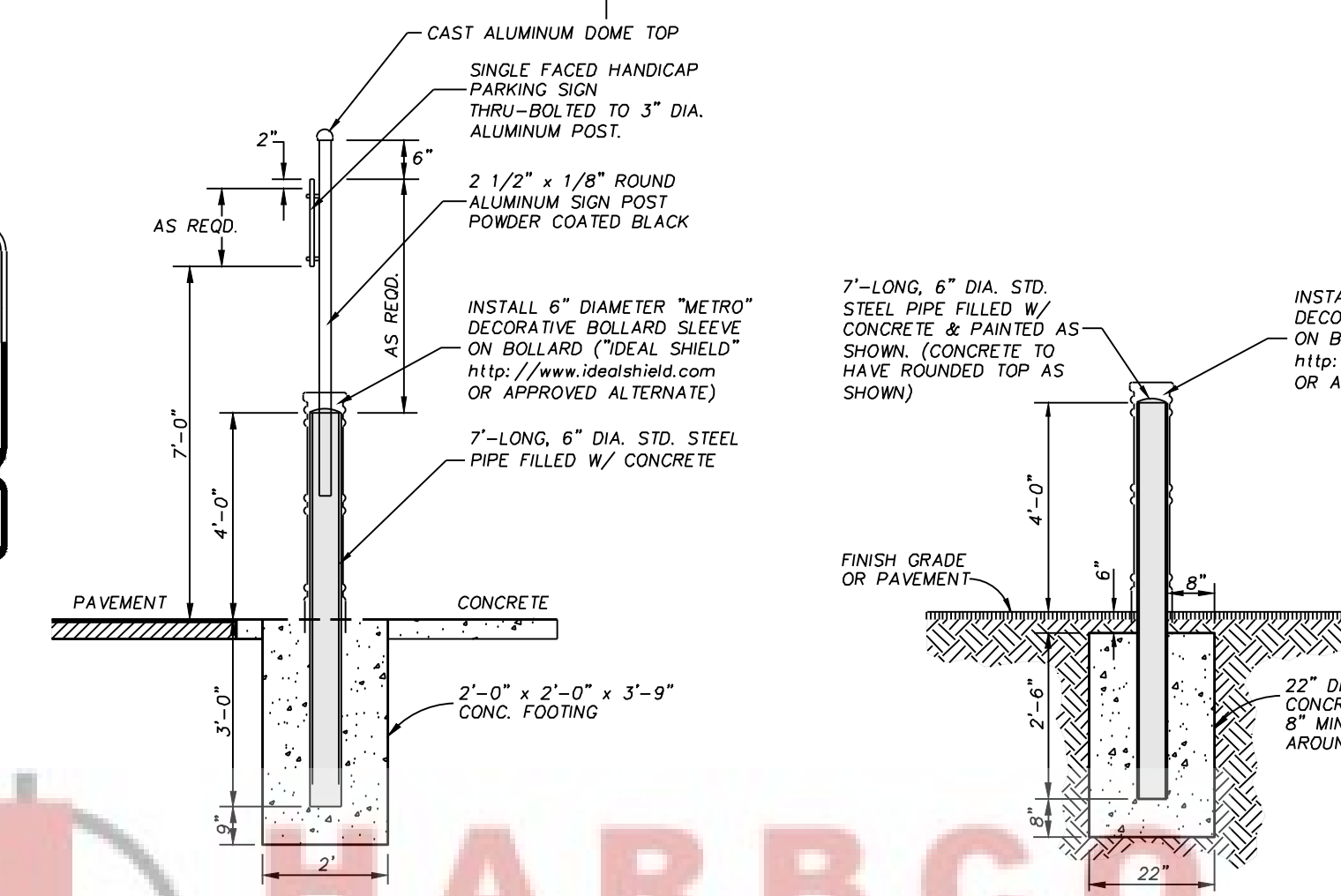
H.C. SIGN ON DECORATIVE BOLLARD (TYPICAL) - PROPOSED CONCRETE



**PARKING SPACE DETAILS**  
(NOT TO SCALE)  
STRIPING TO BE BY SITE CONTRACTOR



**HANDICAP SIGN & POST SUPPORT**  
(NOT TO SCALE)



**ARBC GENERAL CONTRACTORS, INC.**

NO.	DATE	REVISION
1	06-16-22	
2	07-02-21	
3	04-08-21	

PAOLO MASTROSERIO, P.E.  
FL. REG. #56891  
PER OWNER REVIEW  
PER CITY REVIEW  
PERMITTING ISSUE  
DATE

MASTROSERIO ENGINEERING, INC.  
ENVIRONMENTAL \*  
170 SE 32ND PLACE  
CALAHAN, FL 33474  
PAOLO@MASTROSERIOENGINEERING.COM  
FL. CERT. OF AUTH. #26159

DATE	SCALE	DRAWN BY	DRAWING NAME
12-07-20	1" = 20'	SU	DR. HEYDARI MEDICAL OFFICE
SHEET NO. C003		VERSION 0	

LAYOUT PLAN  
DR. HEYDARI MEDICAL OFFICE  
C.R. 466A CLEVELAND AVENUE  
CITY OF WILDWOOD, FLORIDA

DATE: 12-07-20  
SCALE: 1" = 20'  
DRAWN BY: SU  
DRAWING NAME: DR. HEYDARI MEDICAL OFFICE  
SHEET NO.: C003  
VERSION: 0

**UTILITY CONSTRUCTION NOTES:**

(ALL CONSTRUCTION BY SITE CONTRACTOR UNLESS OTHERWISE NOTED)

- U-1 INSTALL STORM INLETS AND STORM PIPING. SEE STORM DATA CHART ON SHEET C5 FOR SIZES AND INVERT INFORMATION.
U-2 INSTALL 3:1 MITERED END SECTION PER F.D.O.T. STANDARD PLANS INDEX #430 AND CONCRETE SPLASHPAD (SEE DETAIL).
U-3 INSTALL HEAVY WALL P.V.C. ROOF DRAINS AT SIZES AND INVERTS SHOWN. CONNECT TO PROPOSED D.R.A. WITH MITERED END SECTION AS SHOWN. VERIFY AND COORDINATE DOWNSPOUT CONNECTION LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION (DOWNSPOUT CONNECTIONS ARE NOT SHOWN ON THESE PLANS FOR CLARITY). SEE DETAILS ON SHEET C8.
U-4 INSTALL 8" P.V.C. (SD34-SDR26, GREEN) SANITARY SEWER SERVICE AND STUB FOR FUTURE BUILDING CONNECTION. LOSS MINIMUM SLOPE WITH CLEANOUTS WHERE SHOWN (SEE DETAILS) AND CONNECTING TO PROPOSED LIFT STATION. ALL CLEANOUTS IN PAVEMENT OR CONCRETE TO HAVE BRASS CAPS.
U-5 INSTALL DUPLEX SUBMERSIBLE GRINDER PUMP LIFT-STATION (SEE DETAILS). IMPORTANT! CONNECTION PRESSURES TO BE VERIFIED PRIOR TO ORDERING PUMPS. INSTALL 2" P.V.C. (SCHEDULE 40) CONDUIT FROM BUILDING TO LIFT STATION FOR ELECTRIC SERVICE.
U-6 CONNECT TO EXISTING FORCE MAIN WITH TAPPING SLEEVE & VALVE AND INSTALL CHECK VALVE AND AIR RELEASE VALVE AS SHOWN IN CONCRETE MANHOLE(S) (OR APPROVED ALTERNATE), AND 3" H.D.P.E. (DR-11) GREEN FORCE MAIN AT 36" (MIN.) DEPTH CONNECTING TO PROPOSED LIFT STATION.
U-7 CONNECT TO EXISTING WATER MAIN WITH TAPPING SLEEVE AND VALVE AND DIRECTIONAL BORE ±100 L.F. OF 8" H.D.P.E. (C906, DR9, 8" PE 3408) WATER MAIN WITH VALVES AND FITTINGS SHOWN. REMOVE & REPLACE EXISTING CONCRETE WALK AS REQUIRED TO MAKE CONNECTION.
U-8 INSTALL 8, 6, 4" P.V.C. (C900, SDR18, BLUE) WATER MAIN WITH VALVES & FITTINGS SHOWN AT 36" (MIN.) DEPTH. SEE SHEET C9 FOR CLEARANCE REQUIREMENTS.
U-9 INSTALL 8" ABOVE GROUND DOUBLE DETECTOR CHECK ASSEMBLY. D.D.C. TO BE CHAINED AND LOCKED WITH TAMPER SWITCHES MONITORED BY FIRE ALARM SYSTEM. INSTALL A 1" P.V.C. CONDUIT FROM BUILDING TO D.D.C. FOR ALARM WIRES (NOT SHOWN FOR CLARITY).
U-10 INSTALL 6" AND 8" P.V.C. (C900, SDR14, BLUE) FIRE MAIN WITH VALVES & FITTINGS SHOWN AT 36" (MIN.) DEPTH AND INSTALL FIRE HYDRANT ASSEMBLY.
U-11 CONNECT TO PROPOSED WATER MAIN AND INSTALL ENDOT 2" PE4710 (DR9) TUBING (VIRGIN INTERIOR WITH BLUE EXTERIOR) WATER SERVICE, 5/8" WATER METER ASSEMBLY (BY WILDWOOD UTILITIES) AND 1/2" R.P.Z. BACKFLOW PREVENTER (BY SITE CONTRACTOR). BACKFLOW PREVENTERS ARE TO BE TESTED BY A CERTIFIED TESTER WITH PASSING RESULTS SENT TO THE WATER DEPARTMENT.
U-12 INSTALL 2" P.V.C. WATER SERVICE TO PROPOSED BUILDING AND 2" P.V.C. CAPPED AT BOTH ENDS FOR FUTURE WATER SERVICE.
U-13 INSTALL IRRIGATION SLEEVING PER LANDSCAPE PLAN. CONTRACTOR TO VERIFY SIZES AND LOCATIONS WITH LANDSCAPE PLAN AND COORDINATE CONDUIT SLEEVING PRIOR TO INSTALLATION OF PAVEMENT BASE.
U-14 CONSTRUCT CONCRETE TRANSFORMER PAD (BY CONTRACTOR) AND INSTALL TRANSFORMER (BY ELECTRIC COMPANY). IMPORTANT! COORDINATE FINAL LOCATION AND REQUIREMENTS WITH ELECTRIC COMPANY PRIOR TO CONSTRUCTION.
U-15 INSTALL TWO 4" SCHEDULE 40 P.V.C. ELECTRIC CONDUITS FOR PRIMARY ELECTRIC SERVICE FROM POWER POLE TO TRANSFORMER. SEE GENERAL NOTE #14. ELECTRICAL CONDUITS TO BE SEPARATED 18" (MIN.) HORIZONTALLY AND 12" (MIN.) VERTICALLY FROM ANY OTHER UTILITY CONDUIT. IMPORTANT! IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL ROUTING (INCLUDING CONDUITS FOR FUTURE CONNECTIONS) AND VERIFY CONDUIT REQUIREMENTS WITH ELECTRIC COMPANY PRIOR TO CONSTRUCTION.
U-16 INSTALL TWO 4" SCHEDULE 40 P.V.C. ELECTRIC CONDUITS FOR SECONDARY UNDERGROUND SERVICE FROM TRANSFORMER TO ELECTRIC METER. SEE GENERAL NOTE #14. ELECTRICAL CONDUITS TO BE SEPARATED 18" (MIN.) HORIZONTALLY AND 12" (MIN.) VERTICALLY FROM ANY OTHER UTILITY CONDUIT. IMPORTANT! IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL ROUTING (INCLUDING CONDUITS FOR FUTURE CONNECTIONS) AND VERIFY CONDUIT REQUIREMENTS WITH ELECTRIC COMPANY PRIOR TO CONSTRUCTION.
U-17 INSTALL SITE LIGHTING AT LOCATIONS SHOWN. VERIFY LOCATIONS WITH PHOTOMETRIC PLAN PRIOR TO CONSTRUCTION.
U-18 INSTALL TWO 2" SCHEDULE 40 P.V.C. CONDUITS TO BUILDING FOR TELEPHONE SERVICE (ONLY ONE SHOWN FOR CLARITY). IMPORTANT! IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL ROUTING (INCLUDING CONDUITS FOR FUTURE CONNECTIONS) AND VERIFY CONDUIT REQUIREMENTS WITH SERVICE PROVIDER PRIOR TO CONSTRUCTION.
U-19 INSTALL THREE 2" SCHEDULE 40 P.V.C. CONDUITS TO BUILDING FOR CATV NETWORK & SPARE SERVICE (ONLY ONE SHOWN FOR CLARITY). IMPORTANT! IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL ROUTING (INCLUDING CONDUITS FOR FUTURE CONNECTIONS) AND VERIFY CONDUIT REQUIREMENTS WITH SERVICE PROVIDER PRIOR TO CONSTRUCTION.
U-20 INSTALL IRRIGATION WELL WITH CITY APPROVED BACKFLOW PREVENTER. SEE IRRIGATION PLAN BY MICHAEL PAPE & ASSOCIATES, P.A. FOR REQUIREMENTS. PRIOR TO ACCEPTANCE BY OWNER, THE CONTRACTOR SHALL HAVE THE WATER TESTED TO DETERMINE THE NEED FOR A FILTER SYSTEM ON IRRIGATION WELL. CONTRACTOR SHALL PROVIDE AN ALTERNATE PRICE IN THEIR INITIAL BID FOR INSTALLATION OF A FILTER SYSTEM IF NEEDED. (PERMITTING BY IRRIGATION CONTRACTOR)

**FIRE FLOW DETERMINATION: DR. HEYDARI MEDICAL OFFICE (±3,700 S.F.)**

- I. BUILDING CLASSIFICATION: F.B.C. NFA #VB #V (000)
II. NEEDED FIRE FLOW (NFF) PER TABLE 18.4.5.2.1 (NFPA 2015): 1500 GPM, 2 HR DURATION
III. PER TABLE 18.4.5.4.3 (NFPA 2015): 2 HYDRANTS PROVIDED (1 PROPOSED AND 1 EXISTING) ±250 FT. FROM BUILDING. 1500 GPM ±2 = 3000 GPM FIRE FLOW

**NOTES:**

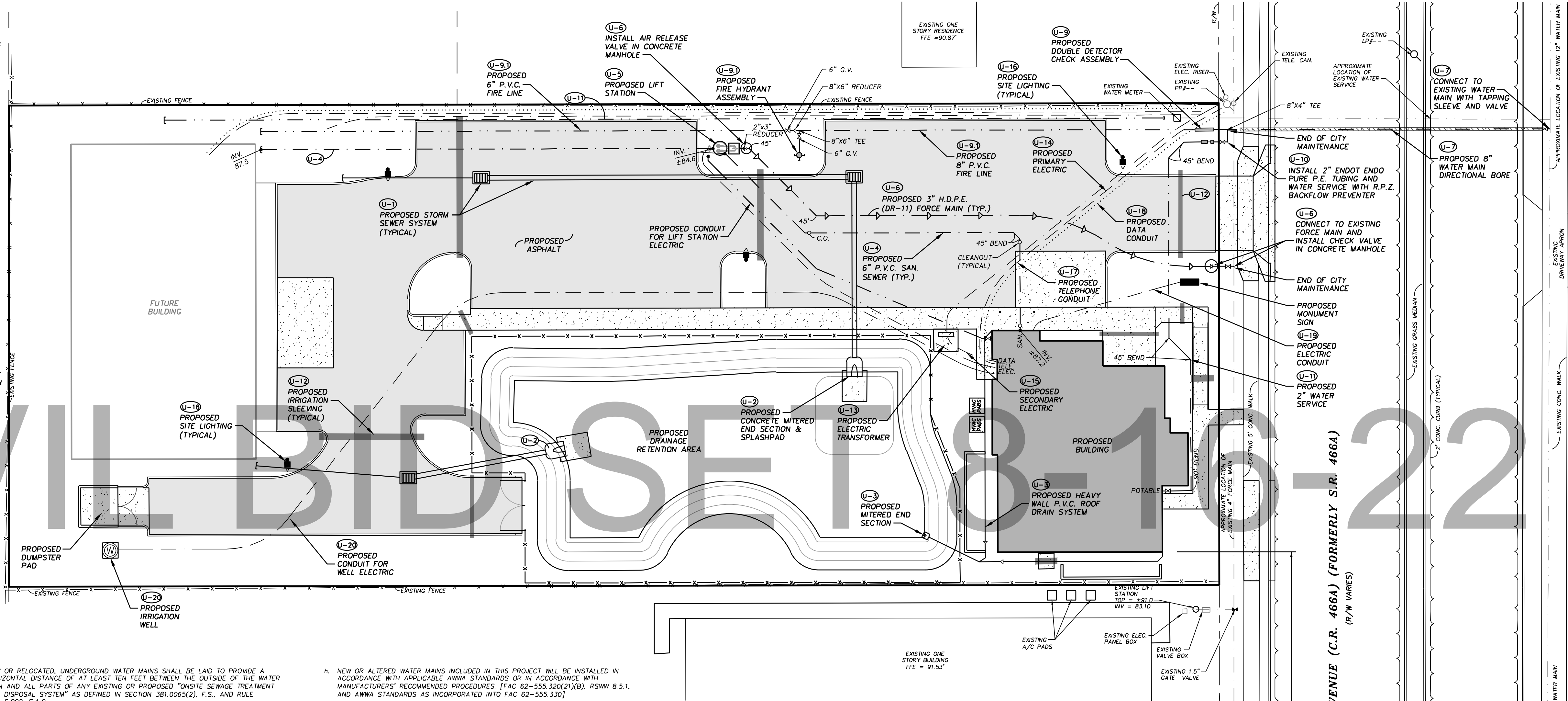
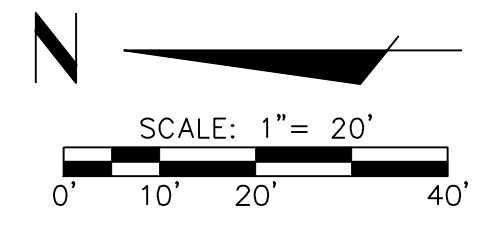
- 1. \* INDICATES INFORMATION PROVIDED BY PROJECT ARCHITECT.
2. INDICATES FLOW TESTS REQUIRED TO VERIFY MINIMUM FLOW AND PRESSURE (20 PSI) IS PROVIDED BY HYDRANTS.
3. SHOULD EITHER NOT BE MET, ADDITIONAL HYDRANTS WITHIN 1000 FT. OF THE BUILDING MAY BE EVALUATED AND/OR AN ADDITIONAL HYDRANT MAY BE REQUIRED.
4. CALCULATIONS ARE FOR PROPOSED BUILDING ONLY.

**WILDWOOD WATER/SEWER NOTES:**

- 1. ALL WATER/SEWER CONSTRUCTION PRACTICES AND MATERIALS WILL FOLLOW THE GUIDELINES OF THE CITY OF WILDWOOD WATER/SEWER CONSTRUCTION SPECIFICATIONS.
2. CITY OF WILDWOOD WILL NOT OWN OR MAINTAIN ANY UTILITIES BEYOND THE RIGHT OF WAY.

**CAUTION!**

PRIOR TO CONSTRUCTION, CONTRACTOR TO LOCATE ALL UTILITIES AND CONTACT PROJECT ENGINEER. CAUTION IS ADVISED THAT THERE ARE FIBER OPTIC UTILITY LINES IN THE AREA. EXERCISE EXTREME CAUTION AND CONDUCT HAND EXCAVATION (SOFT DIGS) TO CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AT POTENTIAL CONFLICT AREAS PRIOR TO CONSTRUCTION!



**D.E.P. NOTES:**

- 1. NOTE TO THE UTILITY: PURSUANT TO RULE 403.859(6), FLORIDA STATUTES, DO NOT PROVIDE WATER SERVICE TO THIS PROJECT (OTHER THAN FLUSHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY SHALL BE SUBJECT TO ENFORCEMENT ACTION.
2. PERMIT TRANSFER: THE PERMITTEE WILL PROMPTLY NOTIFY THE DEPARTMENT UPON SALE OR LEGAL TRANSFER OF THE PERMITTED FACILITY OF THIS PERMIT. THIS PERMIT IS TRANSFERABLE ONLY UPON DEPARTMENT APPROVAL. THE NEW OWNER MUST APPLY, BY LETTER, FOR A TRANSFER OF PERMIT WITHIN 30 DAYS.
3. UTILITY SEPARATION - VERTICAL CLEARANCE: VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER MAINS, OR NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
4. UTILITY SEPARATION - HORIZONTAL SEPARATION: HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER MAINS, AND ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
5. CONSTRUCTION NOTES: CONTRACTOR IS RESPONSIBLE FOR ADHERING TO CONSTRUCTION REQUIREMENTS OF THE D.E.P. GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PUBLIC WATER SYSTEMS.
6. TESTING: CONTRACTOR IS RESPONSIBLE FOR ADHERING TO TESTING REQUIREMENTS OF THE D.E.P. GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PUBLIC WATER SYSTEMS.
7. FILLING OF WATER MAINS: FILLING OF PROPOSED WATER MAINS FROM EXISTING WATER MAINS WILL BE DONE IN ACCORDANCE WITH AWWA SPECIFICATION C651.
8. CONNECTION TO EXISTING WATER MAINS: IF THE CONNECTION OF THE PROPOSED ACTIVITY TO THE WATER MAIN WILL RESULT IN A DEPRESSURIZATION OF THE EXISTING SYSTEM BELOW 20 POUNDS PER SQUARE INCH, ONE OF THE FOLLOWING MUST OCCUR:
a. PRECAUTIONARY BOLL WATER NOTICES MUST BE ISSUED IN CASES OF PLANNED DISTRIBUTION INTERRUPTIONS, WHICH ARE DEEMED AN IMMINENT PUBLIC HEALTH THREAT BY THE DEP CENTRAL DISTRICT OR WILL AFFECT THE BACTERIOLOGICAL QUALITY OF THE DRINKING WATER UNLESS THE PUBLIC WATER SYSTEM CAN DEMONSTRATE, BY SOUND ENGINEERING JUDGMENT, THAT THE INTEGRITY OF THE WATER SYSTEM HAS BEEN MAINTAINED; OR
b. IN CASES OF BREIF INTERRUPTION IN SERVICE, ADVISORIES (NOT BOLL WATER NOTICES) SHOULD BE ISSUED IF TEMPORARY CHANGES IN WATER QUALITY ARE EXPECTED TO OCCUR AND NOT DEEMED AN IMMINENT PUBLIC HEALTH RISK.

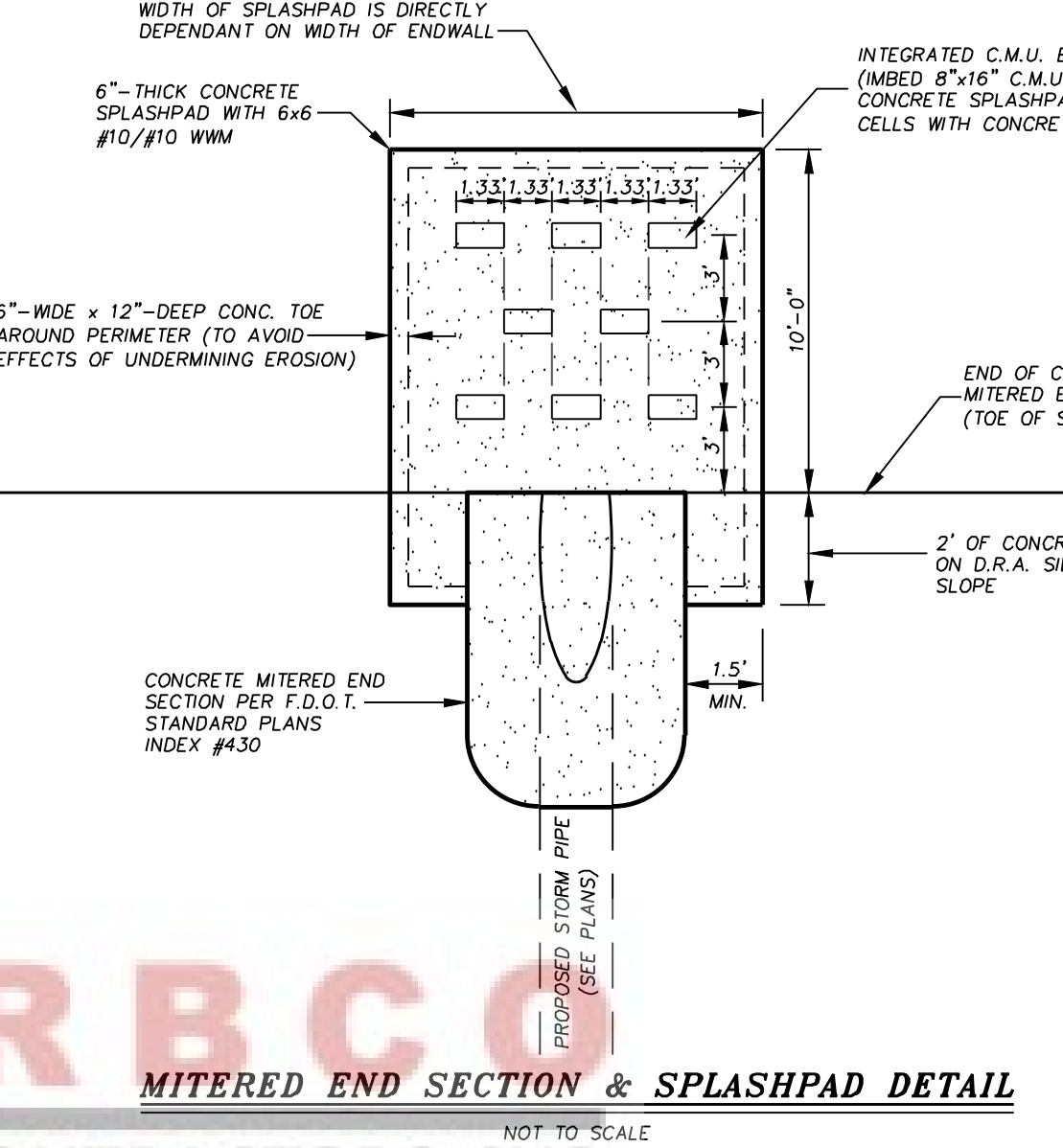


Table with columns for DATE, SCALE, DRAWN-BY, SHEET NO., and other project information. Includes project name 'DR. HEYDARI MEDICAL OFFICE' and 'UTILITY PLAN'.

**LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314**

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)	3 FT. MINIMUM	12 INCHES IS THE MINIMUM. EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED	ALTERNATE 3 FT. MINIMUM
VACUUM SANITARY SEWER	10 FT. PREFERRED 3 FT. MINIMUM	12 INCHES PREFERRED 6 INCHES MINIMUM	ALTERNATE 3 FT. MINIMUM
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	10 FT. PREFERRED 3 FT. MINIMUM (3)	12 INCHES IS THE MINIMUM. EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED	ALTERNATE 6 FT. MINIMUM
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM		

**CAUTION!!**  
PRIOR TO CONSTRUCTION, CONTRACTOR TO LOCATE ALL UTILITIES AND CONTACT PROJECT ENGINEER. CAUTION IS ADVISED THAT THERE ARE FIBER OPTIC UTILITY LINES IN THE AREA. EXERCISE EXTREME CAUTION AND CONDUCT HAND EXCAVATION (SOFT DIGS) TO CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AT POTENTIAL CONFLICT AREAS PRIOR TO CONSTRUCTION!

**GENERAL NOTES**

**DESIGN CONDITIONS**  
MODEL: HPGH/HPDHH  
VOLTAGE: 230 VOLTS  
DISCHARGE: 2"  
**ANTICIPATED OPERATING POINTS**  
GPM: ±1172  
GPM: ±117

7.5 HP  
1-3 PHASE  
6.75 IMPELLER  
FT/10H  
±56  
FT/10H  
±44

**IMPORTANT!!**  
PRIOR TO CONSTRUCTION, CONTRACTOR TO INSTALL PRESSURE GAUGE TO MONITOR OPERATING PRESSURE ON EXISTING FORCE MAIN. ENGINEER WILL THEN VERIFY/SIZE LIFT STATION PUMPS AND COMPLETE F.O.D.P. PERMITTING.

**PUMPS**  
PUMPS SHALL BE OF THE SUBMERSIBLE TYPE. EACH PUMP SHALL BE MOUNTED ON A 90" RAIL SYSTEM. THE RAIL SYSTEM SHALL BE SELF-ENGAGING RESULTING IN A LEAKPROOF COUPLING. THE RAIL SYSTEM SHALL INCLUDE THE BASE ELBOW, DISCHARGE FLANGE ASSEMBLY, 8" 304SS GUIDE RAILS, 316SS UPPER GUIDE BRACKET, 316SS LIFTING BALL AND CABLE AND A 2X-HOOK 316SS CABLE HOLDER. THE RAIL SYSTEM SHALL BE MOUNTED AND PRE-PRIMED BY THE PUMP SUPPLIER.

**IMPELLER**  
THE IMPELLER SHALL BE OF MULTI-VANE, SEMI-OPEN BRONZE CONSTRUCTION. THE IMPELLER SHALL INCLUDE PUMP-OUT VANES ON THE BACK OF THE IMPELLER AND SHALL BE STATICALLY AND HYDRAULICALLY BALANCED.

**CUTTERS**  
A TWO-STAGE CUTTER ASSEMBLY SHALL BE MOUNTED ON THE SUCTION SIDE OF THE PUMP WITH DIRECT DISCHARGE INTO THE PUMP IMPELLER. THE GRINDER SHALL BE CAPABLE OF GRINDING ALL MATERIALS FOUND IN NORMAL DOMESTIC SEWAGE, INCLUDING PLASTICS, RUBBER, SANITARY NAPKINS, DISPOSABLE DIAPERS AND WOOD PARTICLES, INTO A FINE SLURRY. BOTH THE STATIONARY AND ROTATING CUTTERS SHALL BE CONSTRUCTED OF HARDENED 440C STAINLESS STEEL.

**SEAL CHAMBER**  
THE PUMP SHALL HAVE TWO MECHANICAL SEALS, MOUNTED IN TANDER WITH AN OIL CHAMBER BETWEEN THE SEALS. THE PUMP SHALL BE EQUIPPED WITH A SEAL LEAK DETECTION PROBE AND WARNING SYSTEM BY USING A SEAL FAILURE SENSOR INSTALLED IN THE SEAL CHAMBER.

**WET WELL**  
THE PUMP SUPPLIER SHALL PROVIDE THE FIBERGLASS WET WELL. THIS GLASS FIBER-REINFORCED POLYESTER BASIN SHALL BE CONSTRUCTED OF A COMMERCIAL GRADE OF GLASS FIBER AND SHALL BE PROVIDED WITH AN ANTI-FLOTATION RING WITH A MINIMUM DIAMETER OF THREE INCHES LARGER THAN THE BASIN DIAMETER. THE RAIL SYSTEM, INTERNAL PIPING AND DISCHARGE CONNECTIONS SHALL BE PRE-INSTALLED BY THE PUMP SUPPLIER.

**HATCH COVER**  
THE HATCH COVER SHALL BE 2 1/2" HINGED TO ALLOW FOR MAXIMUM ACCESS TO THE WET WELL. THE HATCH COVER SHALL BE CONSTRUCTED OF ALUMINUM WITH STAINLESS STEEL FASTENERS, RATED FOR 150 PSF OR GREATER. THE HATCH COVER SHALL INCLUDE A SINGLE OR DUAL COOL OF DIMENSIONS SPECIFIED BY THE PUMP MANUFACTURER FOR PROPER PUMP CLEARANCE. THE COVER SHALL BE MANUFACTURED BY US FABRICATION OR EQUAL.

**VALVE BOX**  
THE VALVE BOX IS FIBERGLASS WITH ALUMINUM LOCKABLE COVER. STANDARD SIZE VALVE BOX IS 3' X 2' 1/2" X 2'.

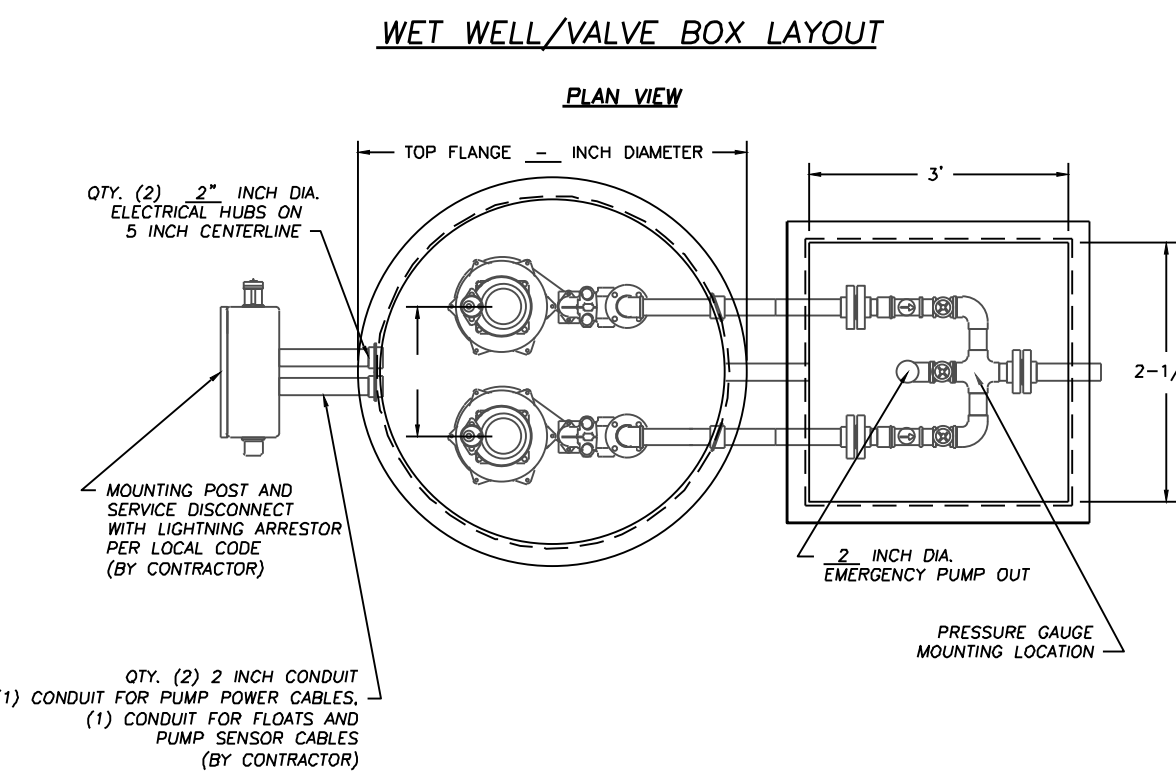
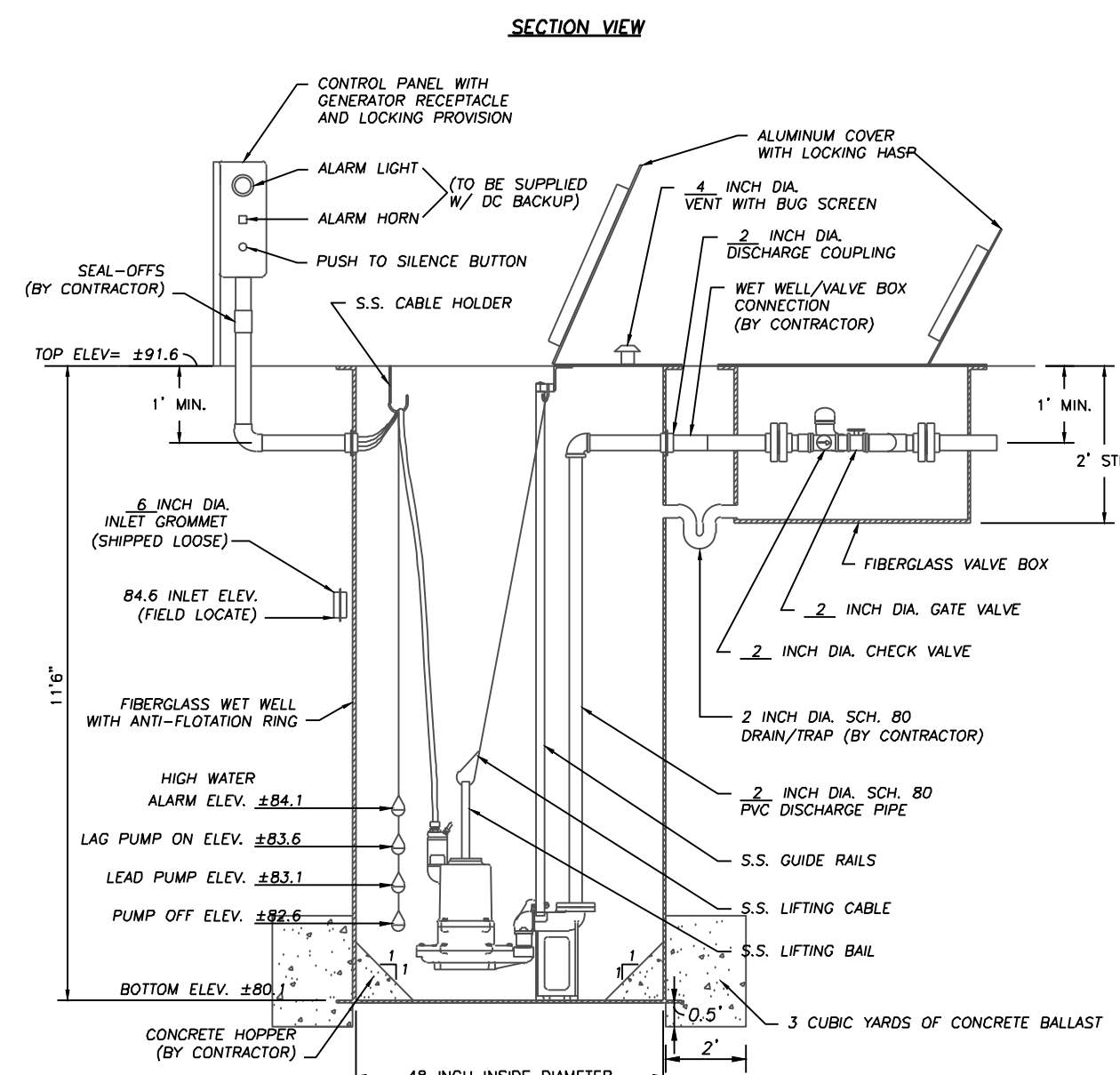
**VALVES**  
VALVES SHALL BE SEWAGE SWING CHECK WITH CLEAN-OUT PORTS AND BRASS GATE VALVES.

**FLOATS**  
FLOATS SHALL BE ANCHOR SCIENTIFIC ROTO-FLOATS OR EQUAL.

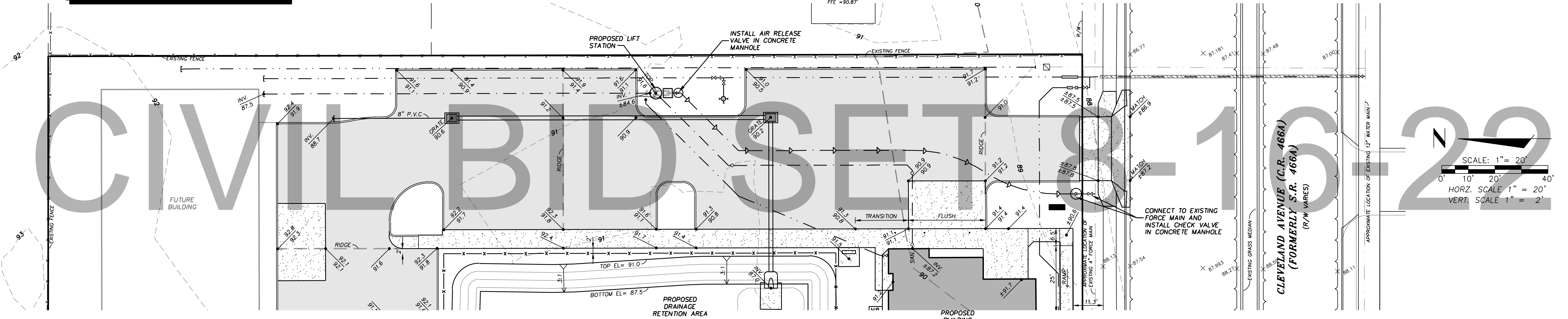
**CONTROLS**  
THE CONTROL PANEL SHALL BE UL508 LISTED, A NEMA 3R OR 4X ENCLOSURE SHALL BE PROVIDED IN EITHER FIBERGLASS OR STAINLESS STEEL. THE PANEL SHALL INCLUDE AN ALTERNATING CONTROL SCHEME (OVER/UNDER), MAIN CIRCUIT BREAKER, GENERATOR RECEPTACLE, HIGH LEVEL ALARM LIGHT AND HORN, ELAPSED TIME METERS, VOLTAGE OR PHASE MONITOR, SEAL FAILURE AND OVERLOAD SENSORS, THE LIGHTNING ARRESTOR SHALL BE SHIPPED LOOSE FOR FIELD INSTALLATION.

**SUBPUMP**  
PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, FLOAT SWITCHES, ALUMINUM HATCHES AND ACCESSORIES TO INSURE PROPER OPERATIONS AND WARRANTY. THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, RAIL ASSEMBLIES, AND DISCHARGE PIPING ASSEMBLY BY BARNEY'S PUMPS INC. READY FOR FIELD INSTALLATION.

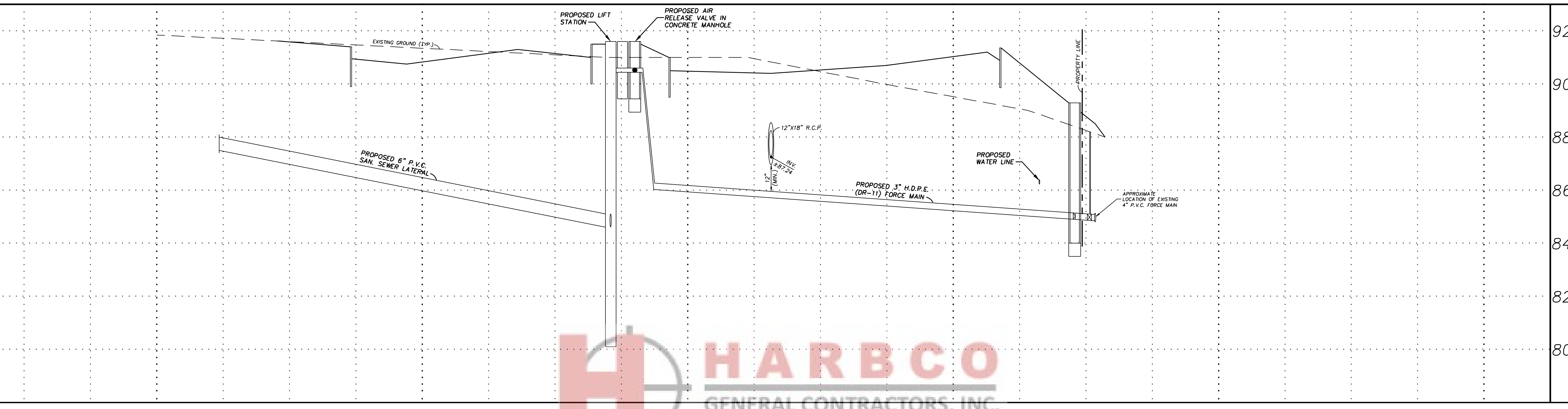
**PUMP PACKAGE**  
PUMP PACKAGE SHALL BE SUPPLIED BY BARNEY'S PUMPS INC. IN LAKELAND (863-665-8500), CORAL SPRINGS (954-346-0669), OR JACKSONVILLE (904-260-0669), FL.



**F.O.D.P. REQUIREMENTS**  
PROVIDE CONCRETE HOPPER WITH 1:1 SLOPE. PROVIDE 3/4" WATER LINE WITH A 3/4" RPT. ALL ELECTRICAL PANELS SHALL BE ABOVE THE 100 YEAR FLOOD ELEVATION.  
**NOTE:**  
ELECTRICAL DESIGN BY OTHERS.



SCALE: 1" = 20'  
HORIZ. SCALE 1" = 20'  
VERT. SCALE 1" = 2'



MASTROSERIO ENGINEERING, INC. CIVIL \* ENVIRONMENTAL \*  
SITE: 170 SE 32ND PLACE, PALM BEACH, FL 33471  
PAOLO MASTROSERIO, P.E. FL REG. #568691  
PAOLO MASTROSERIO ENGINEERING, INC. FL CERT. OF AUTH. #26159

UTILITY EXTENSION PLAN  
DR. HEYDARI MEDICAL OFFICE  
C.R. 466A CLEVELAND AVENUE  
CITY OF WILDWOOD, FLORIDA

DATE: 12-07-20  
SCALE: 1" = 20'  
DRAWN BY: SU  
DRAWING NAME: DR. HEYDARI MEDICAL OFFICE  
SHEET NO. C04a  
VERSION: 0



PROPOSED STORM SEWER DATA							
STRUCTURE				R.C.P. STORM PIPE			
NUMBER	STRUCTURE	GRATE/RIM EL.	INV. EL.	NUMBER	LN. FT.	SIZE (INCHES)	% SLOPE
A	TYPE "Y" INLET	90.2	R INV. = 87.3 N INV. = 87.4	A - D.R.A.	64.2	12x18	0.47
B	TYPE "Y" INLET	90.6	S INV. = 87.9 N INV. = 88.4 (8')	B - A	120.1	12x18	0.42
C	TYPE "Y" INLET	90.8	S INV. = 87.8 N INV. = 88.3 (8')	C - D.R.A.	51.2	12x18	0.59

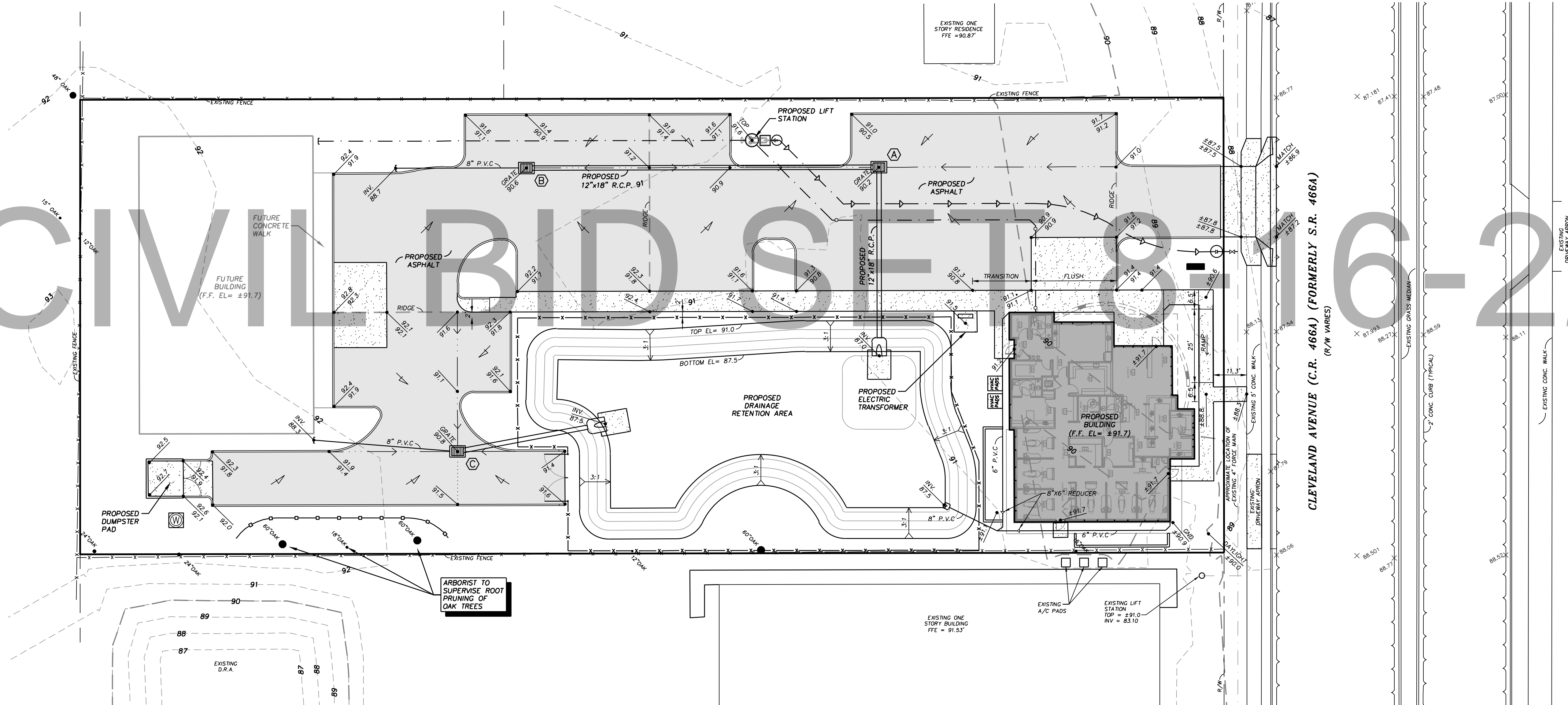
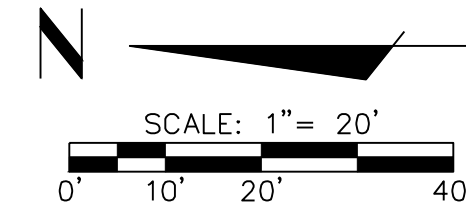
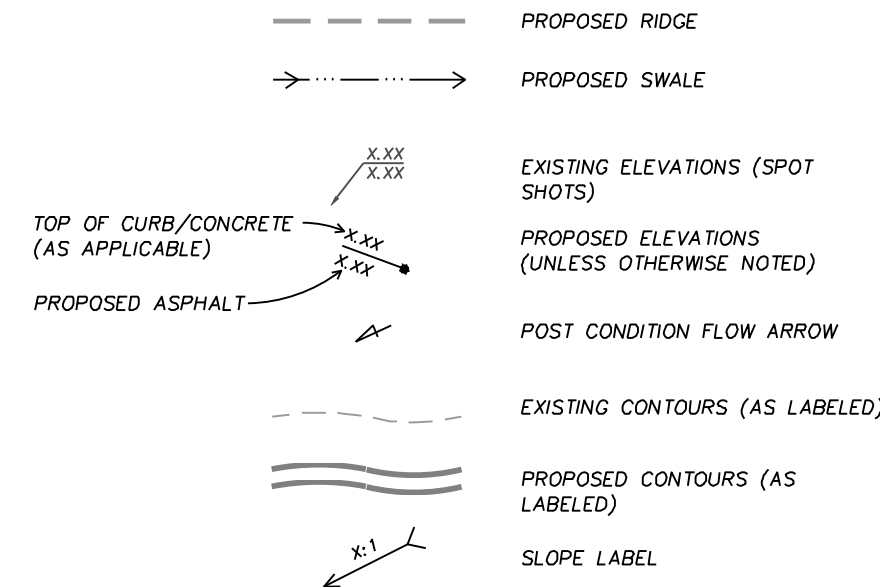
**STORM SEWER NOTES:**

1. STORM SEWER IS DESIGNED FOR A 10yr STORM EVENT.
2. ALL INLETS SHALL BE PROTECTED WITH SILT CONTROL PRODUCTS FROM "DANDY PRODUCTS" (SEE SHEET C7) UNTIL PAVING OPERATIONS ARE COMPLETED.
3. IT IS THE RESPONSIBILITY OF THE MANUFACTURER TO PROVIDE ALTERNATE B STRUCTURE BOTTOMS AS NEEDED.
4. INVERTS AND CONNECTIONS TO BE PER F.D.O.T. STANDARD PLANS INDEX #425-001.
5. ALL STORM INLETS TO BE CONSTRUCTED PER F.D.O.T. STANDARD PLANS INDEX #425-024, #425-052, AND #425-053 AS APPLICABLE.
6. ALL METAL INLET FRAMES AND GRATES TO BE PAINTED BLACK.

**NOTES TO PAVING/SITE CONTRACTOR:**

1. ADHERE TO GRADES SHOWN FOR HANDICAP SPACE(S), WHICH SHOULD NOT EXCEED 1:50 OR 2.0% SLOPE. SEE GRADES FOR ELEVATIONS.
2. ADHERE TO GRADES SHOWN FOR CONCRETE SIDEWALKS WHICH SHOULD NOT EXCEED OR 2.0% (1:50) CROSS SLOPE, OR 5.0% (1:20) RUNNING SLOPE.
3. ADHERE TO GRADES SHOWN FOR CONCRETE RAMPS WHICH SHOULD NOT EXCEED OR 2.0% (1:50) CROSS SLOPE, OR 8.33% (1:12) RUNNING SLOPE.

**GRADING LEGEND:**



CIVIL BID SHEET 16-22

GRADING PLAN		DATE	12-07-20
DR. HEYDARI MEDICAL OFFICE		SCALE	1" = 20'
C.R. 466A CLEVELAND AVENUE		DRAWN-BY	SU
CITY OF WILDWOOD, FLORIDA		DRAWING NAME:	DR. HEYDARI MEDICAL OFFICE
C005	0	SHEET NO.	VERSION

PAOLO MASTROSERIO, P.E. FL. REG. #56891	DATE
PAOLO MASTROSERIO, P.E. FL. REG. #56891	DATE
PAOLO MASTROSERIO, P.E. FL. REG. #56891	DATE
PAOLO MASTROSERIO, P.E. FL. REG. #56891	DATE

MASTROSERIO ENGINEERING, INC.	NO.
CIVIL + ENVIRONMENTAL	1
170 SE 32ND PLACE	2
CALEA, FL 33474	3
PAOLO MASTROSERIO, P.E.	NO.
FL. CERT. OF AUTH. #26159	NO.



**DRAINAGE CALCULATIONS:**

**WATERSHED CALCULATIONS:**

	PRE-DEV.	POST-DEV.	CN
WATERSHED AREA	47,678	47,678	98.0
**IMPERVIOUS AREA	-	31,257	98.0
D.R.A. IMPERVIOUS	-	5,269	98.0
PERVIOUS TYPE 'A'	47,678	11,152	39.0
WATERSHED CN:	39.00	84.20	
VOLUME (c.f.):	8,748	32,775	
POST MINUS PRE (c.f.):		15,279	

**WATER QUALITY CALCULATION:**

0.5" OF RUNOFF FROM WATERSHED: = 1,987 C.F.

**POST-CONDITION STAGE STORAGE**

ELEV.	AREA (SF)	VOLUME (CF)
91.0	9,480	8,835
90.0	8,206	7,589
89.0	6,989	6,400
88.0	5,828	5,269
87.5	5,269	2,773
D.R.A. VOLUME (c.f.):		25,598*

**DRAINAGE NOTES:**

- METHOD OF CALCULATION FOR THE POST DEVELOPMENT 100YR, 24HR STORM IS BY TR-55 "URBAN HYDROLOGY FOR SMALL WATERSHEDS"
- THE TOTAL OF ON-SITE AND OFF-SITE AREAS WITHIN THE WATERSHED(S) WERE USED TO FIND THE WEIGHTED CN.
- SEE SEPARATE DRAINAGE CALCULATIONS FOR ADDITIONAL RUNOFF AND STORAGE ANALYSIS.
- \*INDICATES PHYSICAL ON-SITE VOLUME ONLY. PERCOLATION IS NOT INCLUDED. SEE NOTE 3 ABOVE.
- \*\*INCLUDES ±6,532 S.F. OF FUTURE BUILDING AND SIDEWALK AREAS.

**PROJECT NARRATIVE:**

DR. HEYDARI MEDICAL OFFICE IS A ±1.39 ACRE SITE AND IS LOCATED ON COUNTY ROAD 466A IN WILDWOOD, FLORIDA. THE EXISTING SITE FORMERLY SERVED AS A RESIDENCE, AND GENERALLY SLOPES FROM THE NORTH TO THE SOUTH TOWARD C.R. 466A R/W. THE PROPOSED IMPROVEMENTS CONSIST OF ±32,670 S.F. (TOTAL) OF IMPERVIOUS BUILDING, SIDEWALK, AND PARKING IMPROVEMENTS.

STORMWATER FROM THE PROPOSED DEVELOPMENT WILL BE DIRECTED TO THE ON-SITE DRAINAGE RETENTION AREA BY A SERIES OF SWALES, AND STORM PIPING.

THE PROPOSED DRAINAGE RETENTION AREA IS SIZED TO MEET THE WATER QUALITY & QUANTITY REQUIREMENTS OF S.W.F.W.M.D. AND THE CITY OF WILDWOOD.

**D.R.A. AND STORM SEWER MAINTENANCE NOTE:**

THE D.R.A. AND STORM SEWER SYSTEM WILL BE MAINTAINED BY DR. MAJID HEYDARI, SUCCESSORS AND/OR ASSIGNS WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE D.R.A. AND ON-SITE STORM SEWER SYSTEM. ANY TRASH OR DEBRIS SHALL BE REMOVED FOLLOWING EACH STORM. ALL DRAINAGE STRUCTURES ARE TO BE INSPECTED EVERY SIX MONTHS TO DETERMINE THE NEED FOR ANY REPAIR OR SEDIMENT REMOVAL.

**SOIL TEST RESULTS:**

TESTED BY: GEO-TECH  
TEST DATE: MAY 17, 2021

**RECOVERY TRENCH RT-1 (GROUND EL= ±90.8)**

DIMENSIONS = 9'-DEEP X 2.5'-WIDE X 20'-LONG  
INFILTRATION RATE = 24.8 FEET/DAY

**SOIL TEST RESULTS: B-X**

TESTED BY: GEO-TECH  
TEST DATE: FEBRUARY 17, 2021

**TEST HOLE B-1 (GROUND EL= ±92.1)**

- 0" - 12" BROWN FINE SAND (SP)
- 12" - 24" BROWN SLIGHTLY CLAYEY SAND (SP-SC)
- 24" - 42" BROWN CLAYEY SAND (SC)
- 42" - 60" REDDISH BROWN AND LIGHT GREY CLAYEY SAND (SC)
- 60" - 180" LIGHT GREEN AND BROWN SLIGHTLY SANDY CLAY (CH)

FIELD HORIZONTAL PERMEABILITY @ APPROX. 4.0 FEET = 7.5 FEET/DAY  
FIELD VERTICAL PERMEABILITY @ APPROX. 4.0 FEET = 4.3 FEET/DAY  
ESTIMATED SEASONAL HIGH WATER TABLE @ APPROX. = 3.5 FEET  
CONFINING LAYER @ APPROX. = 5.0 FEET  
GROUND WATER DEPTH NOT FOUND

**TEST HOLE B-2 (GROUND EL= ±92.1)**

- 0" - 12" BROWN FINE SAND (SP)
- 12" - 24" BROWN SLIGHTLY CLAYEY SAND (SP-SC)
- 24" - 60" BROWN CLAYEY SAND (SC)
- 60" - 114" GREY AND REDDISH BROWN CLAYEY SAND (SC)
- 114" - 180" LIGHT GREEN AND BROWN SLIGHTLY SANDY CLAY (CH) WITH LIMESTONE

ESTIMATED SEASONAL HIGH WATER TABLE @ APPROX. = 2.0 FEET  
CONFINING LAYER @ APPROX. = 3.0 FEET  
GROUND WATER DEPTH NOT FOUND

**TEST HOLE B-3 (GROUND EL= ±92.4)**

- 0" - 12" BROWN FINE SAND (SP)
- 12" - 24" BROWN SLIGHTLY CLAYEY SAND (SP-SC)
- 24" - 60" BROWN CLAYEY SAND (SC)
- 60" - 114" GREY AND REDDISH BROWN CLAYEY SAND (SC)
- 114" - 180" LIGHT GREEN AND BROWN SLIGHTLY SANDY CLAY (CH) WITH LIMESTONE

FIELD HORIZONTAL PERMEABILITY @ APPROX. 5.0 FEET = 5.6 FEET/DAY  
FIELD VERTICAL PERMEABILITY @ APPROX. 5.0 FEET = 3.2 FEET/DAY  
ESTIMATED SEASONAL HIGH WATER TABLE @ APPROX. = 5.0 FEET  
CONFINING LAYER @ APPROX. = 5.0 FEET  
GROUND WATER DEPTH NOT FOUND

**TEST HOLE SPT-1 (GROUND EL= ±90.0)**

- 0" - 24" BROWN SLIGHTLY CLAYEY SAND (SP-SC)
- 24" - 162" BROWN TO BROWN AND GREY CLAYEY SAND (SC)
- 162" - 240" LIGHT GREEN AND REDDISH BROWN SLIGHTLY SANDY CLAY (CH)

**TEST HOLE SPT-2 (GROUND EL= ±90.0)**

- 0" - 24" BROWN FINE SAND (SP)
- 24" - 162" BROWN AND GREY TO GREY CLAYEY SAND (SC) WITH LIMESTONE
- 162" - 240" LIGHT GREEN AND GREY TO LIGHT GREEN AND BROWN SLIGHTLY SANDY CLAY (CH)

**TEST HOLE SPT-3 (GROUND EL= ±90.0)**

- 0" - 12" BROWN FINE SAND (SP)
- 12" - 240" BROWN TO GREY CLAYEY SAND (C) WITH LIMESTONE

**TEST HOLE SPT-4 (GROUND EL= ±89.8)**

- 0" - 72" BROWN TO GREY AND BROWN CLAYEY SAND (SC)
- 72" - 222" LIGHT GREEN AND BROWN TO LIGHT GREEN SLIGHTLY SANDY CLAY (CH)
- 222" - 240" BROWN CLAYEY SAND (SC)

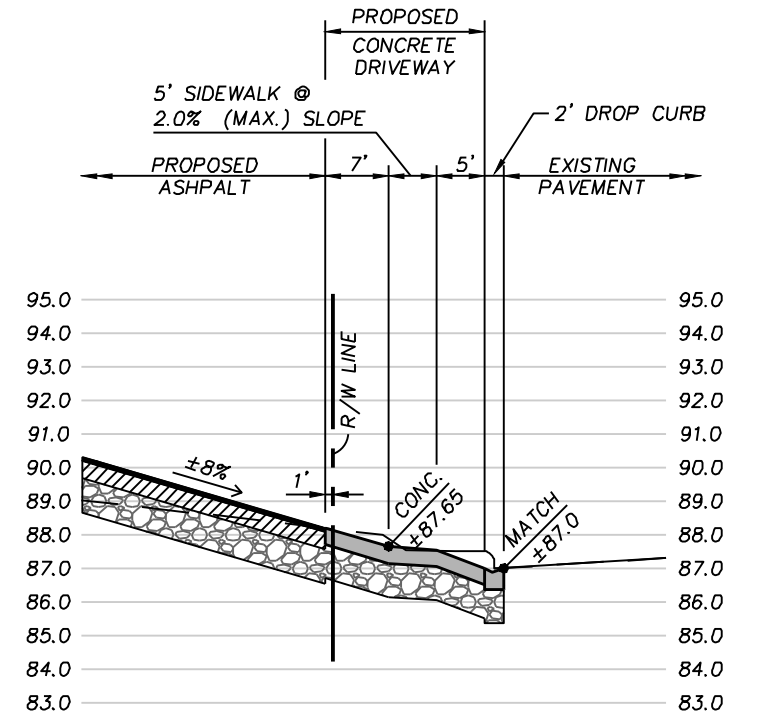
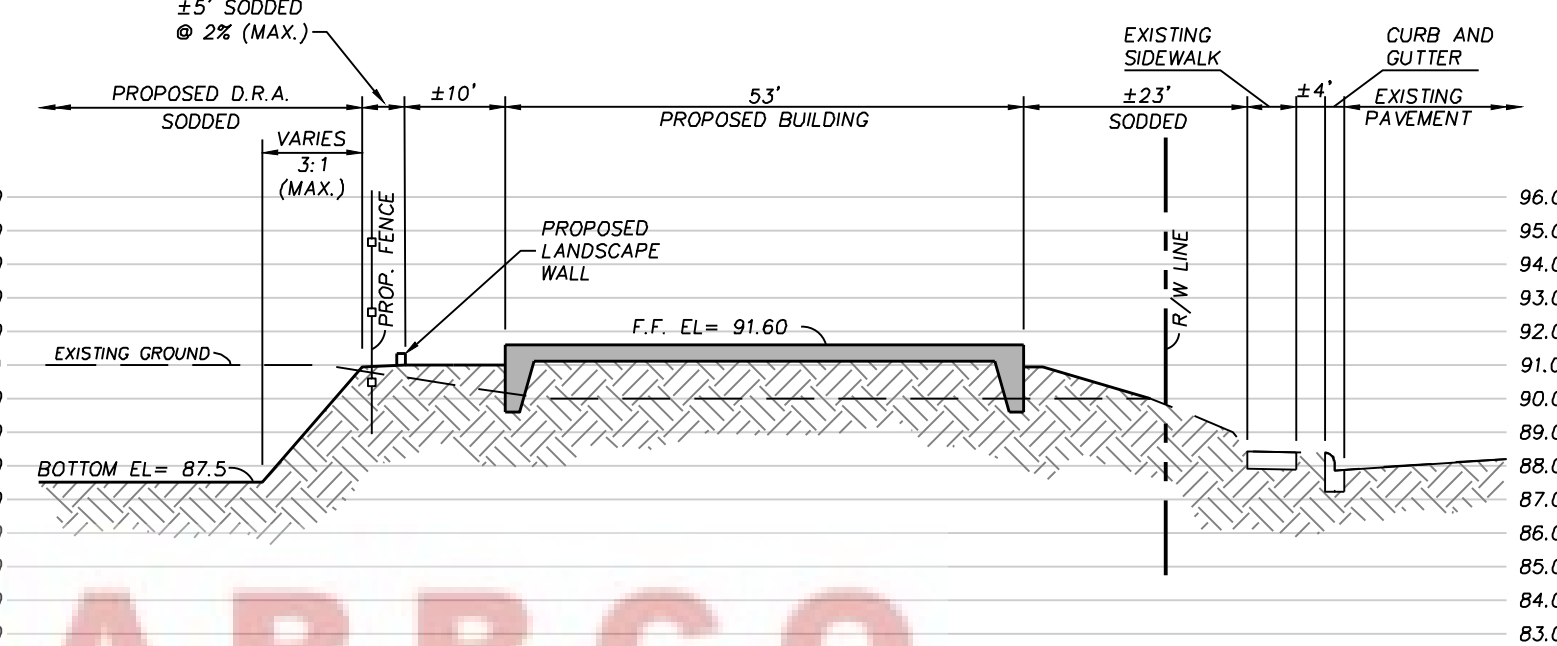
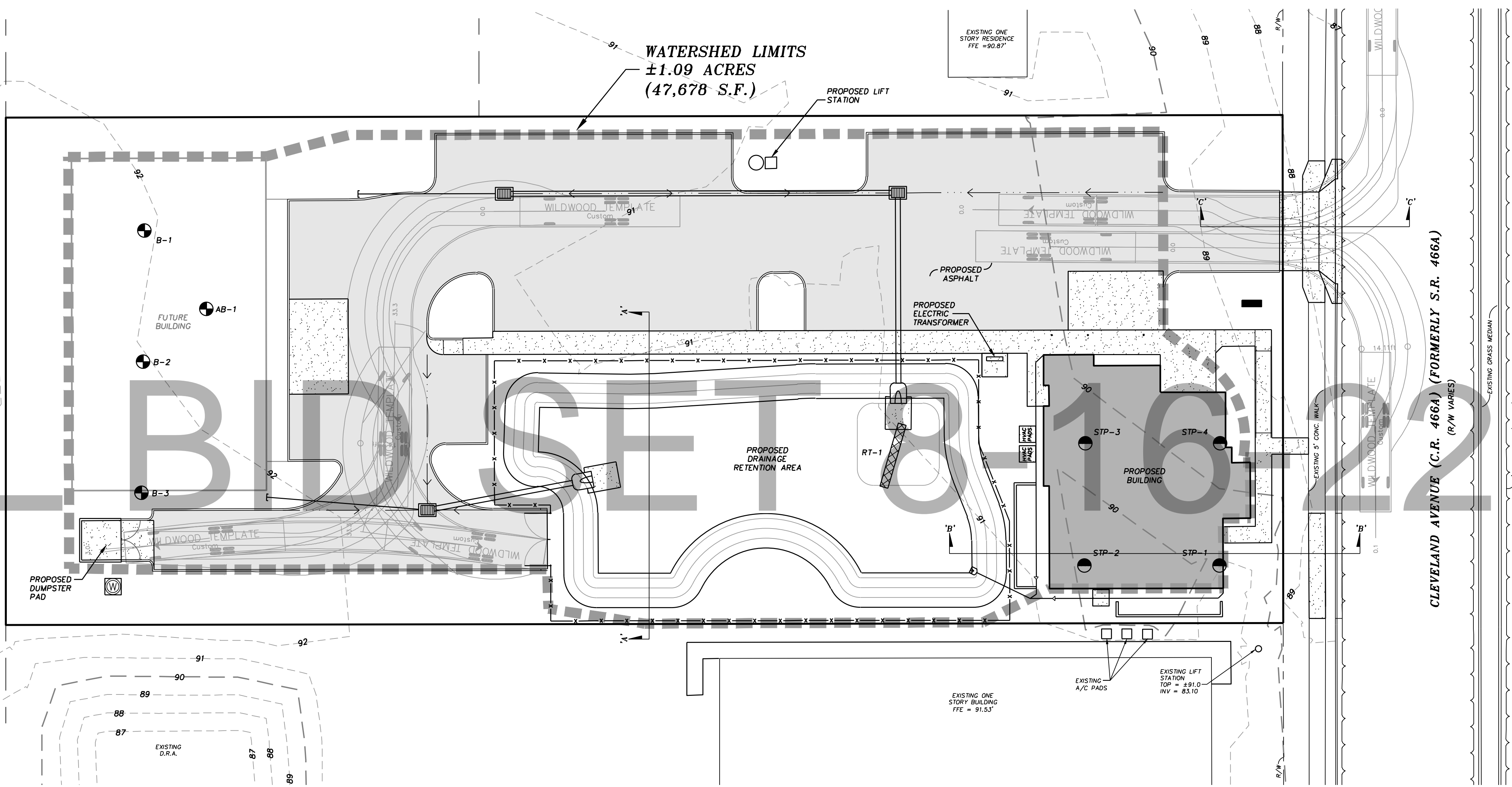
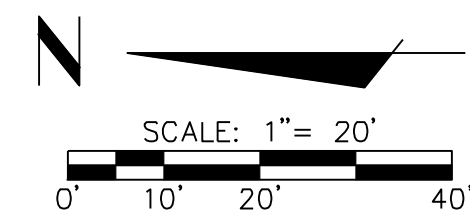
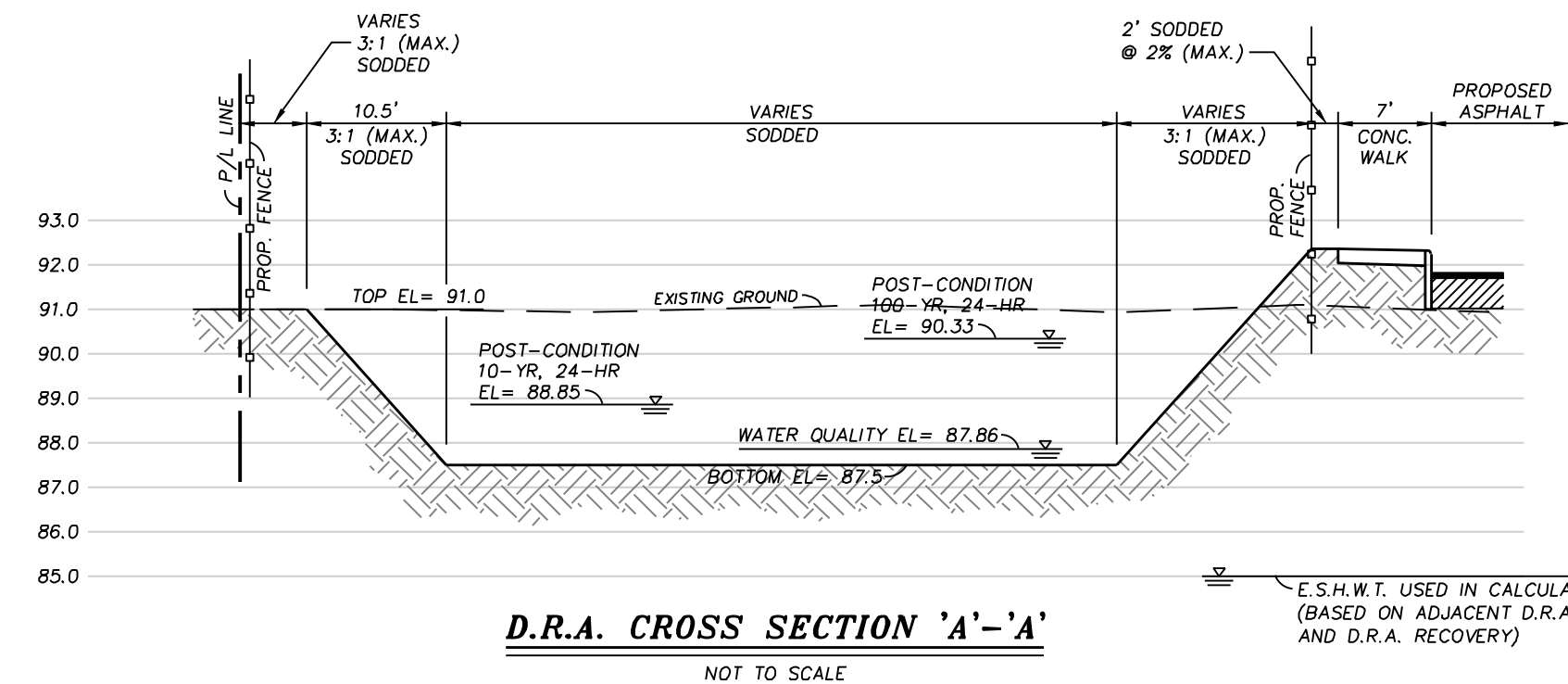
**SOIL TEST RESULTS: AB-X**

TESTED BY: ANDREYEV ENGINEERING, INC.  
TEST DATE: APRIL 8, 2020

**TEST HOLE AB-1 (GROUND EL= ±91.8)**

- 0" - 12" BROWN FINE SAND (SP)
- 12" - 36" REDDISH BROWN SLIGHTLY SILTY TO SILTY FINE SAND (SP-SM)(SM)
- 36" - 132" REDDISH BROWN TO GRAYISH BROWN TO BROWNISH GRAY CLAYEY FINE SAND TO SANDY CLAY (SC)(CL)
- 132" - 144" GRAYISH BROWN TO BROWNISH GRAY CLAY (CH)
- 144" - 180" REDDISH BROWN TO GRAYISH BROWN TO BROWNISH GRAY CLAYEY FINE SAND TO SANDY CLAY (SC)(CL)

FIELD HORIZONTAL PERMEABILITY @ APPROX. 2.0 FEET = 16.0 FEET/DAY  
FIELD VERTICAL PERMEABILITY @ APPROX. 2.0 FEET = 6.9 FEET/DAY  
ESTIMATED SEASONAL HIGH WATER TABLE @ APPROX. = 2.5 FEET (PERCHED)  
CONFINING LAYER @ APPROX. = 3.0 FEET  
GROUND WATER DEPTH NOT FOUND



**HARBICO**  
GENERAL CONTRACTORS, INC.

NO.	DATE	REVISION
1	04-08-21	PERMITTING ISSUE
2	07-02-21	PER CITY REVIEW
3	08-16-22	PER OWNER REVIEW

PAOLO MASTROSERIO, P.E. FL. REG. #568691	DATE
PAOLO MASTROSERIO, P.E. FL. REG. #568691	DATE

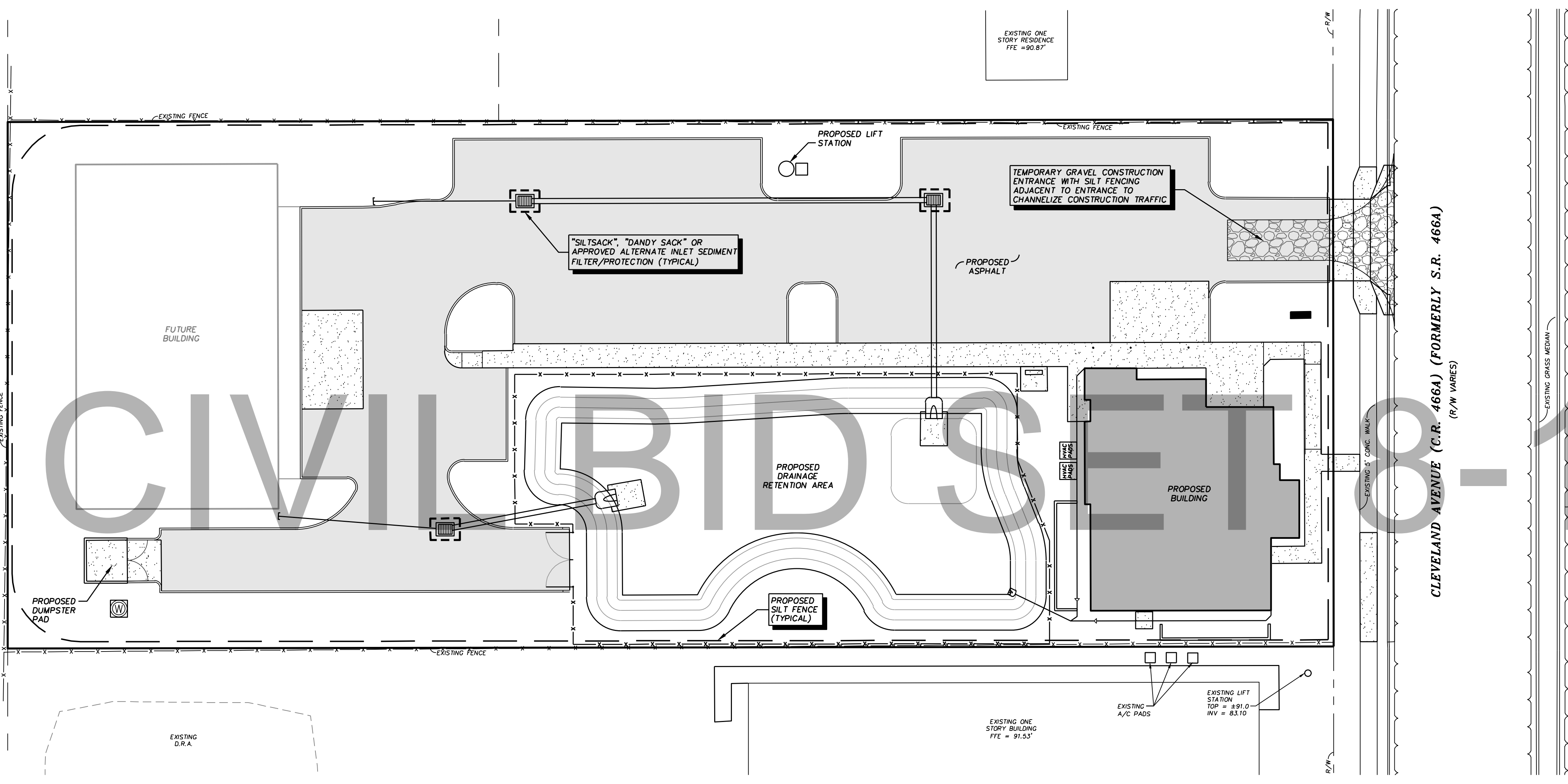
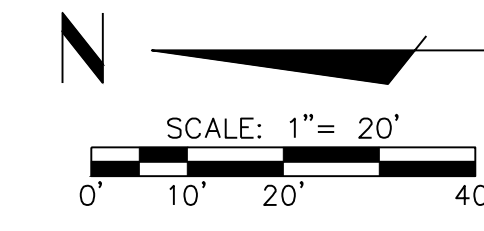
MASTROSERIO ENGINEERING, INC. • ENVIRONMENTAL •	DATE
170 SE 32ND PLACE CALAHEES, FL 33447 PAOLO@MASTROSERIOENG.COM FL. CERT. OF AUTH. #26159	DATE

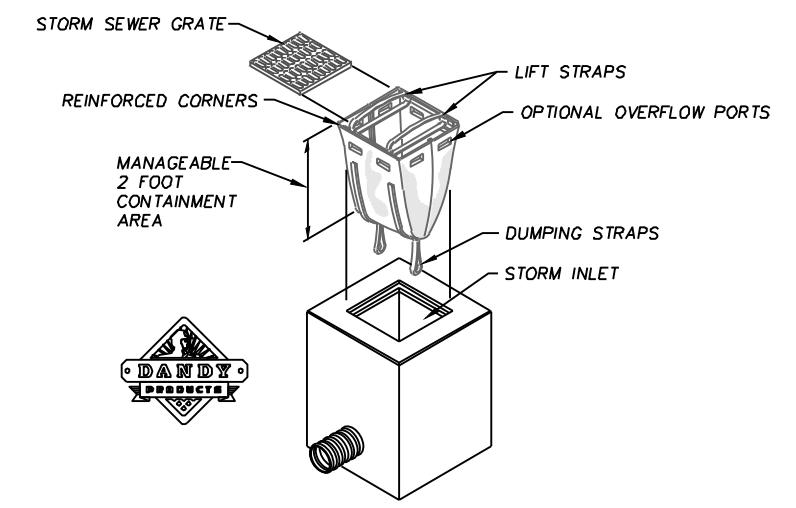
DR. HEYDARI MEDICAL OFFICE	DATE
C.R. 466A CLEVELAND AVENUE CITY OF WILDWOOD, FLORIDA	DATE

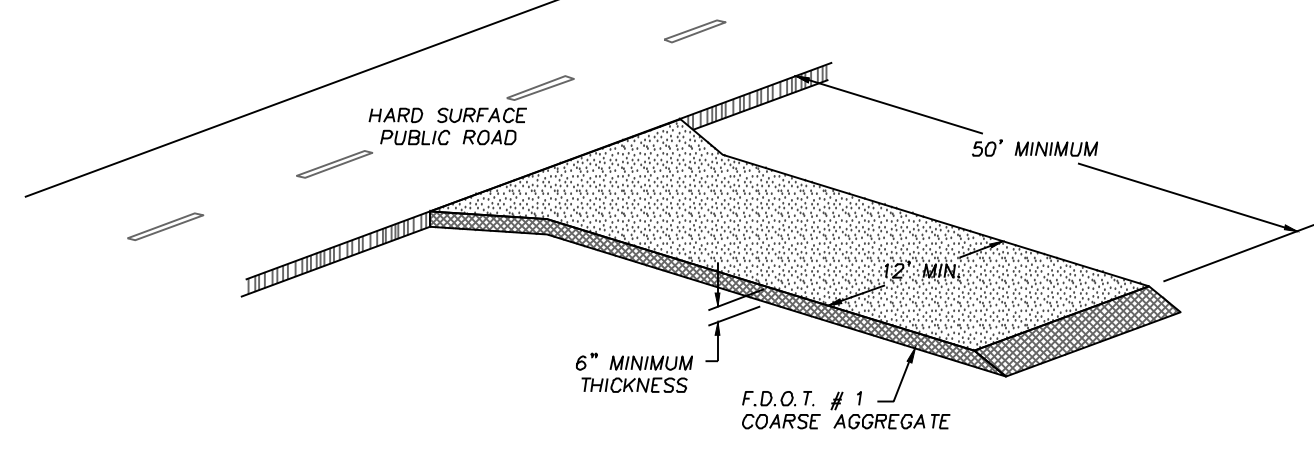
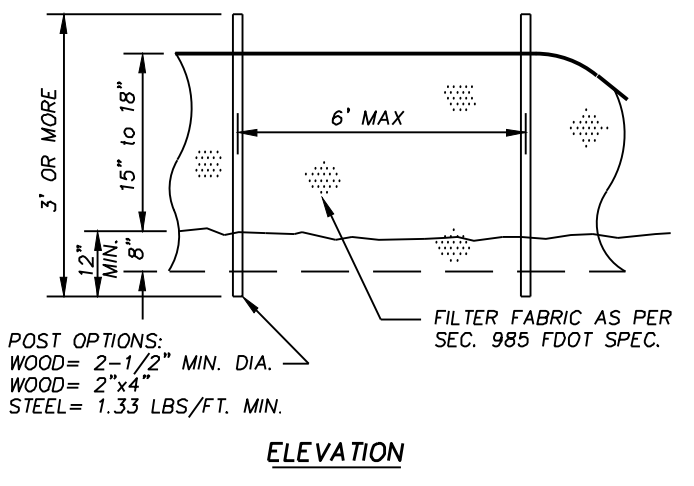
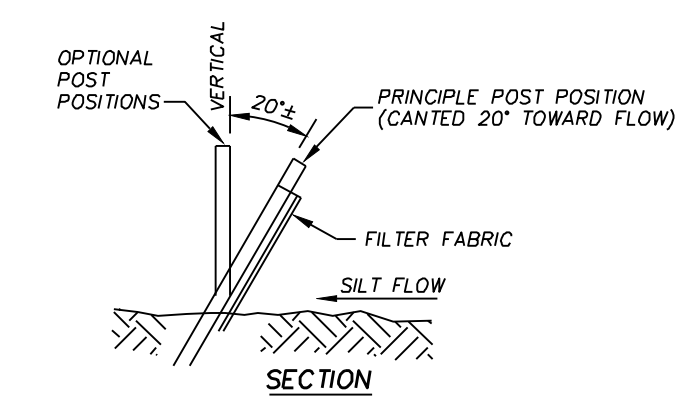
C006	0
SHEET NO.	VERSION



- EROSION CONTROL NOTES:**
- DISCHARGE CONTROL AND EROSION PROTECTION MEASURES SHALL BE EMPLOYED AND OPERATED AT ALL TIMES DURING CONSTRUCTION TO AVOID ADVERSE IMPACTS TO RECEIVING WATERS OR ADJACENT PROPERTY. DETENTION/RETENTION STORAGE STRUCTURES, SEDIMENT BARRIERS, FLOW CONVEYANCES, REVENTMENT, DISCHARGE CONTROL STRUCTURES, AND OTHER STORMWATER MANAGEMENT STRUCTURES SHOULD BE BUILT AND CONTINUOUSLY MAINTAINED DURING PROJECT CONSTRUCTION IN A MANNER SUCH THAT, TO THE EXTENT POSSIBLE, THE STRUCTURES ARE INCORPORATED INTO AND BECOME PART OF THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM.
  - THE OWNER/PERMITEE SHALL ENSURE THAT THE SURFACE WATER AND STORMWATER MANAGEMENT MEASURES PROPOSED IN THE PLAN ARE EFFECTIVELY IMPLEMENTED UNTIL COMPLETION OF THE PROJECT OR UNTIL THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM IS OPERATIONAL.
  - THE SITE SHALL REMAIN FREE OF EXCESS DUST AND DEBRIS AT ALL TIMES. ANY INCIDENCE OF EROSION, SEDIMENTATION, DUST OR DEBRIS OCCURRING OFF-SITE AS A RESULT OF CONSTRUCTION ACTIVITIES ON THIS DEVELOPMENT SHALL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY (FOR EACH OCCURRENCE).
  - ALL STORM WATER MANAGEMENT SYSTEMS SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS.
  - SILT FENCE, STRAIN BALE INLET FILTERS, AND ANY OTHER EROSION/SEDIMENTATION PROTECTION SHOWN ON THESE PLANS SHALL BE INSTALLED PRIOR TO SITE CLEARING AND PRIOR TO ANY SITE DEVELOPMENT. ALL EROSION/SEDIMENTATION PROTECTION SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT AND REMOVED AFTER COMPLETION.
  - CONSTRUCTION WASTE - WASTE SHALL BE COLLECTED AT A DESIGNATED AREA ONSITE. ADEQUATE NUMBER OF CONTAINERS SHALL BE PROVIDED (WHEN POSSIBLE COVER CONTAINERS OR PROVIDE LIDS ON CONTAINERS). ARRANGE FOR WASTE COLLECTION BEFORE. CONTAINERS OVERFLOW, PROVIDE CLEAN UP IMMEDIATELY IF SPILLAGE OCCURS.
  - CONCRETE TRUCKS - EMPTYING OR WASH OUT OF EXCESS CONCRETE MAY BE ALLOWED ONSITE. EXCESS CONCRETE AND WASH WATER SHOULD BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORMWATER WHICH WILL BE DISCHARGED FROM THE SITE. FOR EXAMPLE, DIKES COULD BE CONSTRUCTED AROUND THE AREA TO CONTAIN THESE MATERIALS UNTIL THEY HARDEN, AT WHICH TIME THEY MAY BE PROPERLY DISPOSED OF.
  - OFFSITE VEHICLE TRACKING OF SEDIMENT - ADJACENT PAVED STREETS SHALL BE SWEEP DAILY (AS NECESSARY) TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM SITE.
  - SANITARY/SEPTIC DISPOSAL - DOMESTIC WASTE HAULERS SHOULD BE CONTRACTED TO REGULARLY REMOVE THE SANITARY AND SEPTIC WASTES AND TO MAINTAIN THE FACILITIES IN GOOD WORKING ORDER.
  - PETROLEUM PRODUCTS - OIL, GASOLINE, LUBRICANTS, AND ASPHALTIC SUBSTANCES SUCH AS PAVING MATERIALS SHOULD BE HANDLED CAREFULLY TO MINIMIZE THEIR EXPOSURE TO STORM WATER. EQUIPMENT SHOULD BE ON SITE TO CONTAIN AND CLEAN UP A PETROLEUM SPILL. CONTAIN AND CLEAN UP PETROLEUM SPILLS IMMEDIATELY. NO PETROLEUM PRODUCTS ARE TO BE STORED ONSITE.
  - HAZARDOUS PRODUCTS - THESE PRODUCTS SHALL BE USED IN A SAFE MANNER TO AVOID POLLUTION OF STORM WATER. EQUIPMENT SHOULD BE ONSITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE USED. CONTAIN AND CLEAN UP SPILLS IMMEDIATELY AFTER THEY OCCUR. NO HAZARDOUS PRODUCTS ARE TO BE STORED ONSITE.
  - NON-STORM WATER DISCHARGES - THESE DISCHARGES INCLUDE BUT NOT LIMITED TO: FIRE HYDRANT FLUSHINGS, POTABLE WATER SOURCES (FLUSHING), IRRIGATION, BUILDING WASHDOWN, AND AIR CONDITIONING CONDENSATION. PRIOR TO ANY DISCHARGE, ALL DOWNSLOPE, SITE SEDIMENTATION AND EROSION CONTROLS SHOULD BE IN PLACE. DISCHARGE SHOULD ONLY BE DIRECTED TO AREAS THAT ARE STABILIZED TO MINIMIZE EROSION (E.G., BUFFER ZONE, VEGETATED FILTER STRIPES, INLET AND OUTLET PROTECTION, LEVEL SPREADERS, ETC.) DO NOT DISCHARGE NON-STORM WATER FLOWS ONTO UNDISTURBED AREAS.
  - A STORMWATER POLLUTION PREVENTION REPORT IS REQUIRED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.5 INCHES OR GREATER. THE REPORTS ARE TO BE FILED AT THE PROJECT SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.
  - IN ADDITION TO PROVIDING A TEMPORARY CONSTRUCTION GRAVEL ENTRANCE TO CONTROL THE DEPOSITION OF SEDIMENTS ON PAVEMENTS ADJACENT TO THE PROJECT SITE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERIODIC SWEEPING OF EXISTING ON-SITE PAVED SURFACES AND ALL PUBLIC TRAVEL WAYS CONTIGUOUS TO THE PROJECT-SITE. SWEEPING SHALL BE DONE BY MECHANICAL MEANS ON A REGULAR BASIS SEVERAL TIMES A WEEK INCLUDING, MOST PARTICULARLY, AFTER EVERY RAIN EVENT AND EVERY FRIDAY AFTERNOON PRIOR TO CEASING WORK FOR THE WEEK.



- INSTALLATION:**
- REMOVE THE GRATE FROM THE CATCH BASIN.
  - FOR OIL AND SEDIMENT MODEL: TO INSTALL OR REPLACE ABSORBENT, PLACE ABSORBENT BELOW IN UNIT, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT.
  - AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY SACK UNIT. IF THE UNIT IS MORE THAN 1/3 FULL OF ACCUMULATED SEDIMENT, THE UNIT MUST BE EMPTIED.
  - TO EMPTY THE UNIT, USING THE LIFTING STRAPS LIFT THE UNIT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION FOR REMOVAL OF THE CONTENTS, HOLDING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL UNIT AS ABOVE.
  - FOR OIL AND SEDIMENT MODEL: REMOVE AND REPLACE ABSORBENT WHEN NEAR SATURATION.
  - DISPOSE OF UNIT AND/OR ABSORBENT IN ACCORD WITH APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS.
- MAINTENANCE:**
- REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT.
  - AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY SACK UNIT. IF THE UNIT IS MORE THAN 1/3 FULL OF ACCUMULATED SEDIMENT, THE UNIT MUST BE EMPTIED.
  - TO EMPTY THE UNIT, USING THE LIFTING STRAPS LIFT THE UNIT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION FOR REMOVAL OF THE CONTENTS, HOLDING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL UNIT AS ABOVE.
  - FOR OIL AND SEDIMENT MODEL: REMOVE AND REPLACE ABSORBENT WHEN NEAR SATURATION.
  - DISPOSE OF UNIT AND/OR ABSORBENT IN ACCORD WITH APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS.



**GRAVEL CONSTRUCTION ENTRANCE DETAIL**  
NOT TO SCALE

- NOTES:**
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING/REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ON TO PUBLIC RIGHT-OF-WAY.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**DANDY SACK™ DETAIL**

**TYPE III SILT FENCE DETAIL**  
FOOT INDEX #102

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

DR. MAJID HEYDARI DATE:

THE STORMWATER MANAGEMENT MEASURES PROPOSED ON THIS PLAN SHALL BE EFFECTIVELY IMPLEMENTED AND MAINTAINED. THE OWNER/AGENT IS AWARE OF AND MUST ASSURE MAINTENANCE OF THE EROSION PROTECTION THAT IS ASSOCIATED WITH THE PROJECT DURING CONSTRUCTION.

EROSION CONTROL PLAN		DATE	12-07-20
DR. HEYDARI MEDICAL OFFICE		SCALE	1" = 20'
C.R. 466A CLEVELAND AVENUE		DRAWN-BY	SU
CITY OF WILDWOOD, FLORIDA		DRAWING NAME:	DR. HEYDARI MEDICAL OFFICE
C007	0	SHEET NO.	VERSION

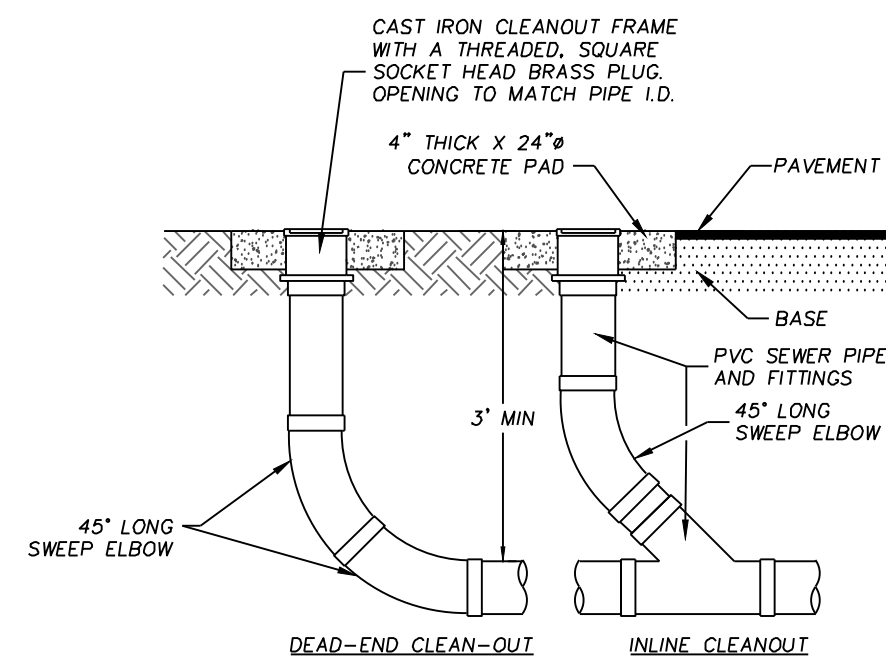
  

NO.	DATE	REVISION
1		PERMITTING ISSUE
2		PER CITY REVIEW
3		PER OWNER REVIEW

PAOLO MASTROSERIO, P.E.	FL. REG. #56891
MASTROSERIO ENGINEERING, INC. CIVIL + ENVIRONMENTAL	
170 SE 32ND PLACE	
TALLAHASSEE, FL 32310	
PAOLO@MASTROSERIOENG.COM	
FL. CERT. OF AUTH. #26159	

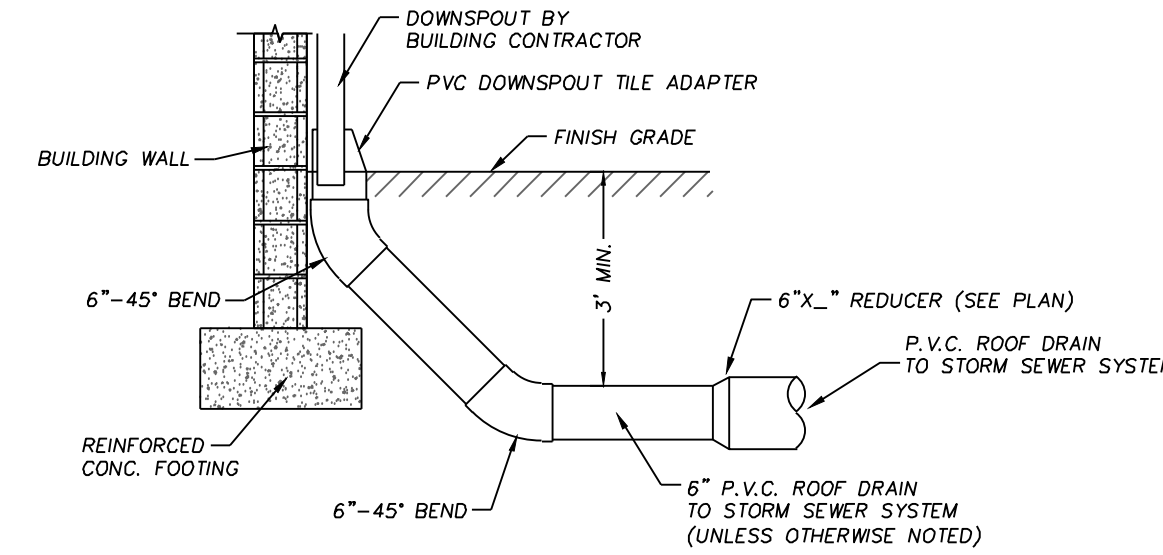




NOTE: IN PAVED AREAS INSTALL CONCRETE PAD AFTER PAVING IS COMPLETE.

**CLEAN-OUT DETAIL (6" & SMALLER MAINS)**

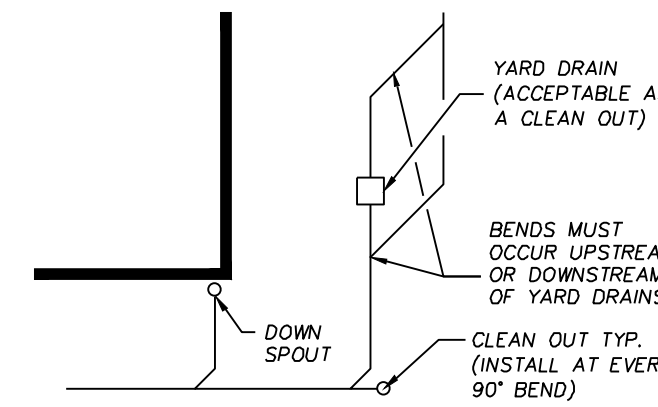
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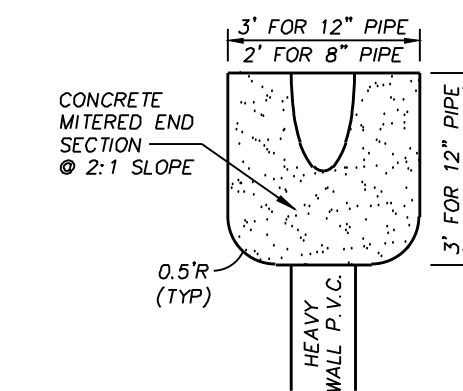
NOTE: CONTRACTOR TO VERIFY THAT DOWNSPOUTS WILL FIT INTO ROOF DRAIN PIPE PRIOR TO INSTALLATION.

**ROOF DRAIN DOWNSPOUT CONNECTION DETAIL**

NOT TO SCALE



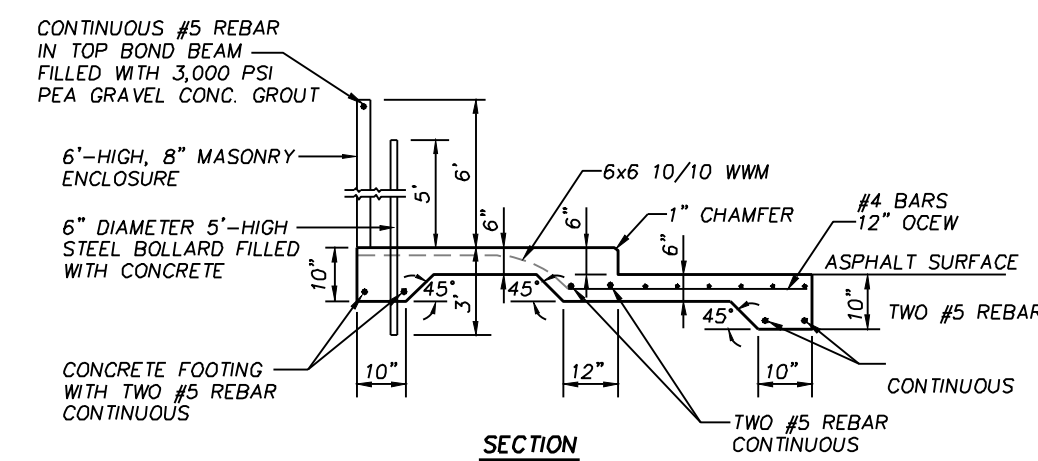
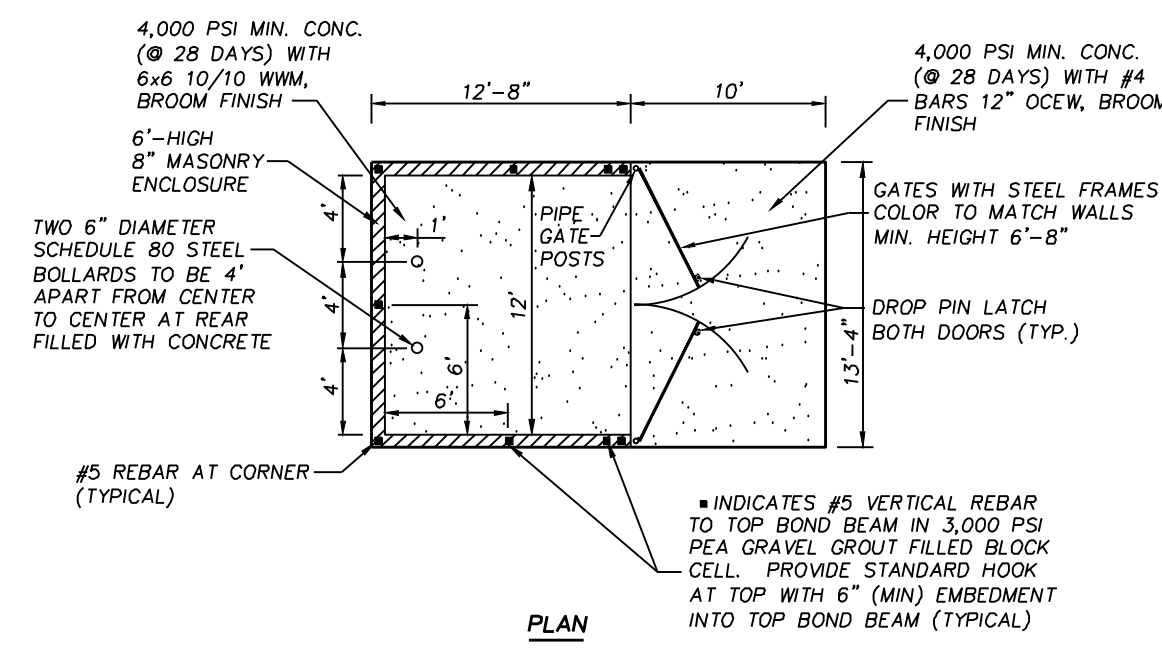
**GUTTERS, DOWNSPOUTS AND COLLECTION SYSTEM DETAIL**



**MITERED END DETAIL**

(NOT TO SCALE)

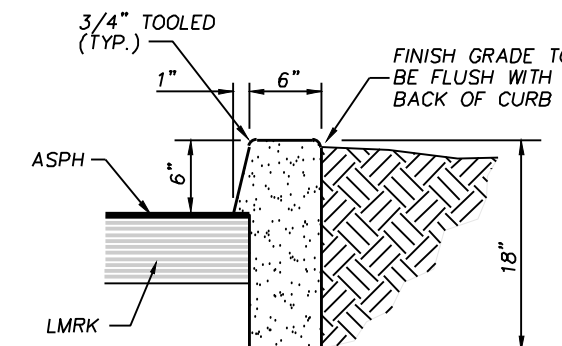
# CIVIL BID SET 8-16-22



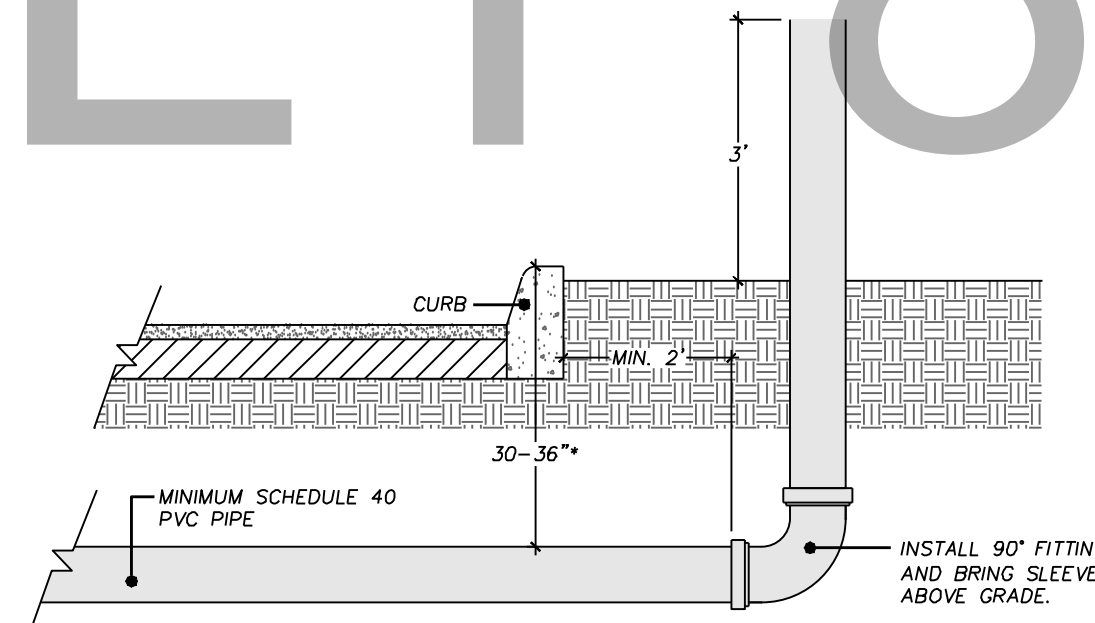
**DUMPSTER PAD AND ENCLOSURE DETAIL**

**NOTES:**

1. CONCRETE DUMPSTER PAD SHALL BE TO "WASTE MANAGEMENT" STANDARDS.
2. DUMPSTER PAD SCREEN WALL SHALL BE OF THE SAME MATERIAL & COLOR AS THE MAIN BUILDING STRUCTURE. CONTACT PROJECT ARCHITECT.
3. CONTACT SCOTT SOUTHWARD WITH "WASTE MANAGEMENT" @ 866-648-3142 (ssouthar@wm.com) PRIOR TO POURING CONCRETE.
4. OPTIONAL GATES (IF INSTALLED) SHALL BE MAINTAINED BY OWNER AND WILL COST EXTRA FOR HANDLING.

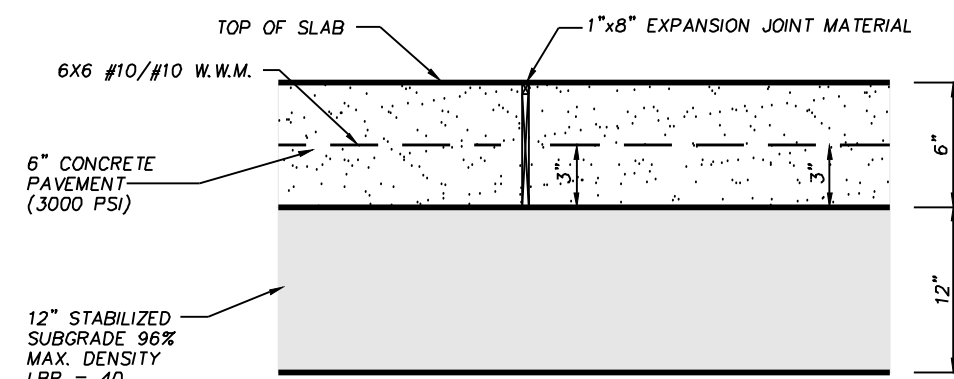


**TRENCH CURB DETAIL**



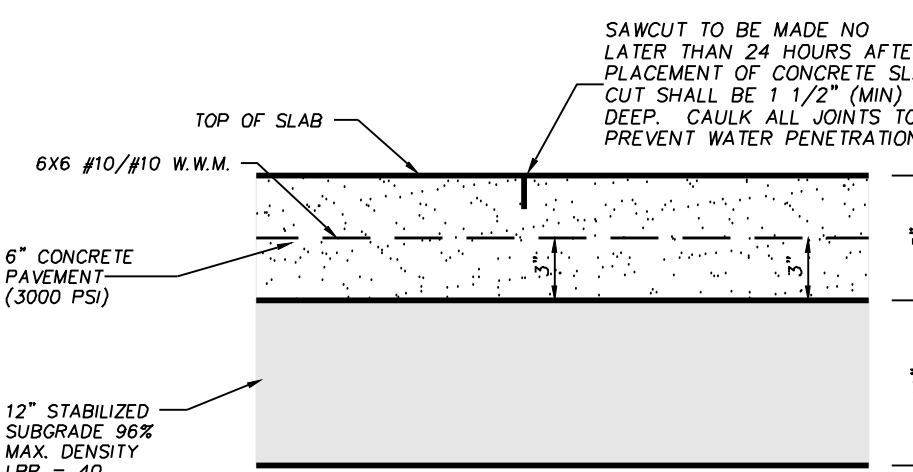
**IRRIGATION SLEEVE INSTALLATION DETAIL**

NOT TO SCALE



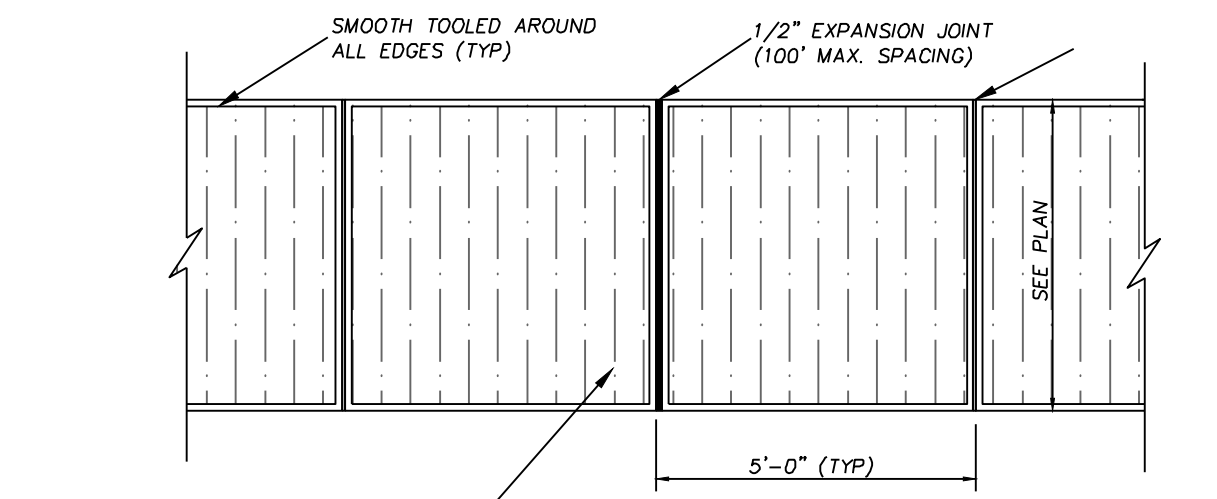
**EXPANSION JOINT**

NOTE: EXPANSION JOINT IS REQUIRED AT SPACING OF NO MORE THAN 120' O.C.



**CONTRACTION JOINT**

NOTE: NO JOINTS SHALL BE SPACED AT GREATER THAN 15' IN EITHER DIRECTION.



**TYPICAL CONCRETE SIDEWALK DETAIL**

NOT TO SCALE

NO.	DATE	REVISION
3	06-16-22	PER OWNER REVIEW
2	07-02-21	PER CITY REVIEW
1	04-08-21	PERMITTING ISSUE

MASTROSERIO ENGINEERING, INC  
 CIVIL • ENVIRONMENTAL •  
 SITE  
 170 SE 32ND PLACE  
 CALA, FL 33447  
 PAOLO@MASTROSERIOENG.COM  
 FL. CERT. OF AUTH. #26159

THESE PLANS ARE PREPARED IN COMPLIANCE WITH FAC. (15) 15.22 (0504)

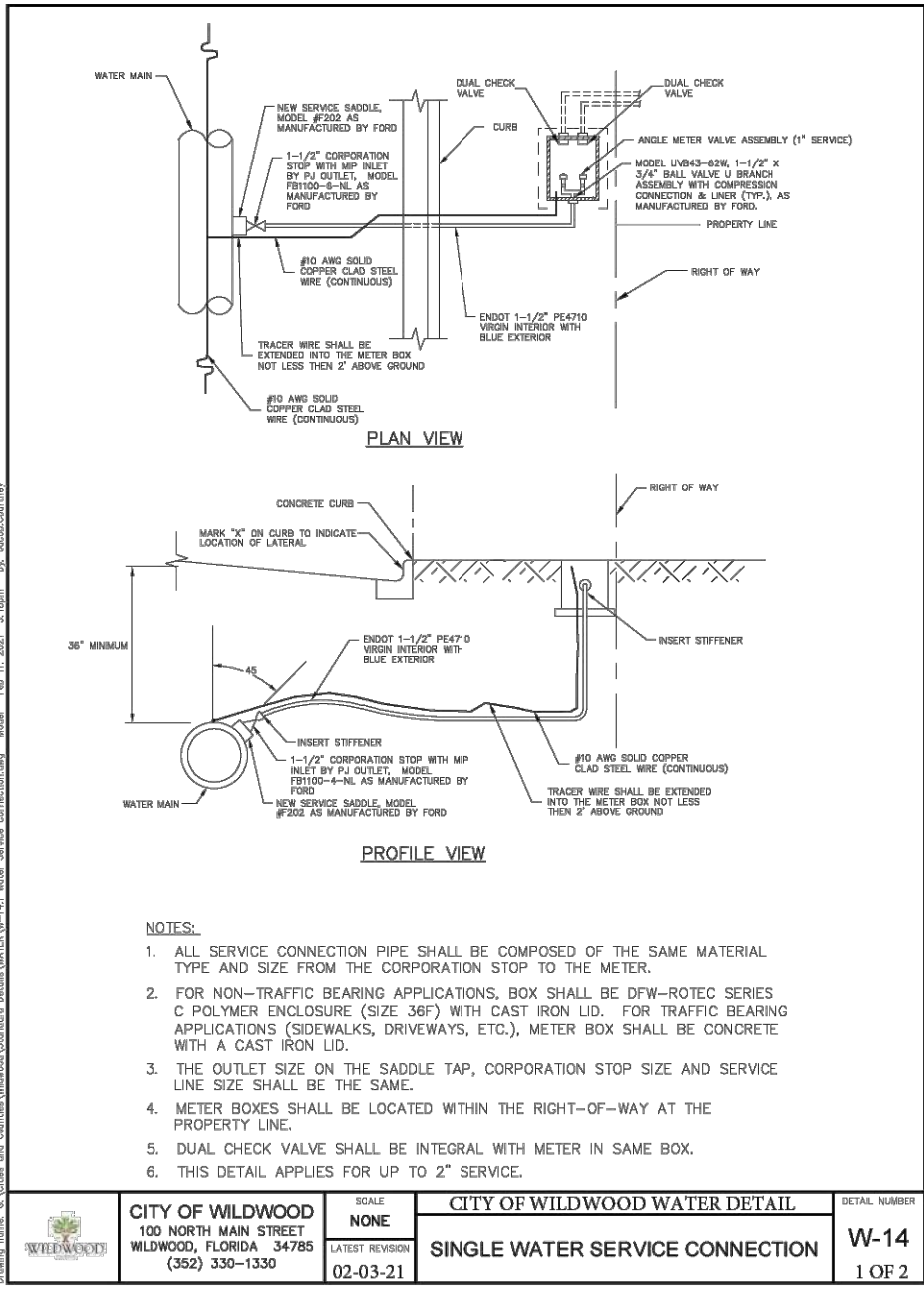
THESE PLANS ARE SUPPLEMENTARY TO ANY SUPPLEMENTAL SPECIFICATIONS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF FIDELITY+BOUNDARY+BRUNNEN MANUFACTURING, LLC IS PROHIBITED.

DETAILS  
 DR. HEYDARI MEDICAL OFFICE  
 C.R. 466A CLEVELAND AVENUE  
 CITY OF WILDWOOD, FLORIDA

DATE	12-07-20
SCALE	1" = 20'
DRAWN-BY	SU
DRAWING NAME	DR. HEYDARI MEDICAL OFFICE
C008	0
SHEET NO.	VERSION



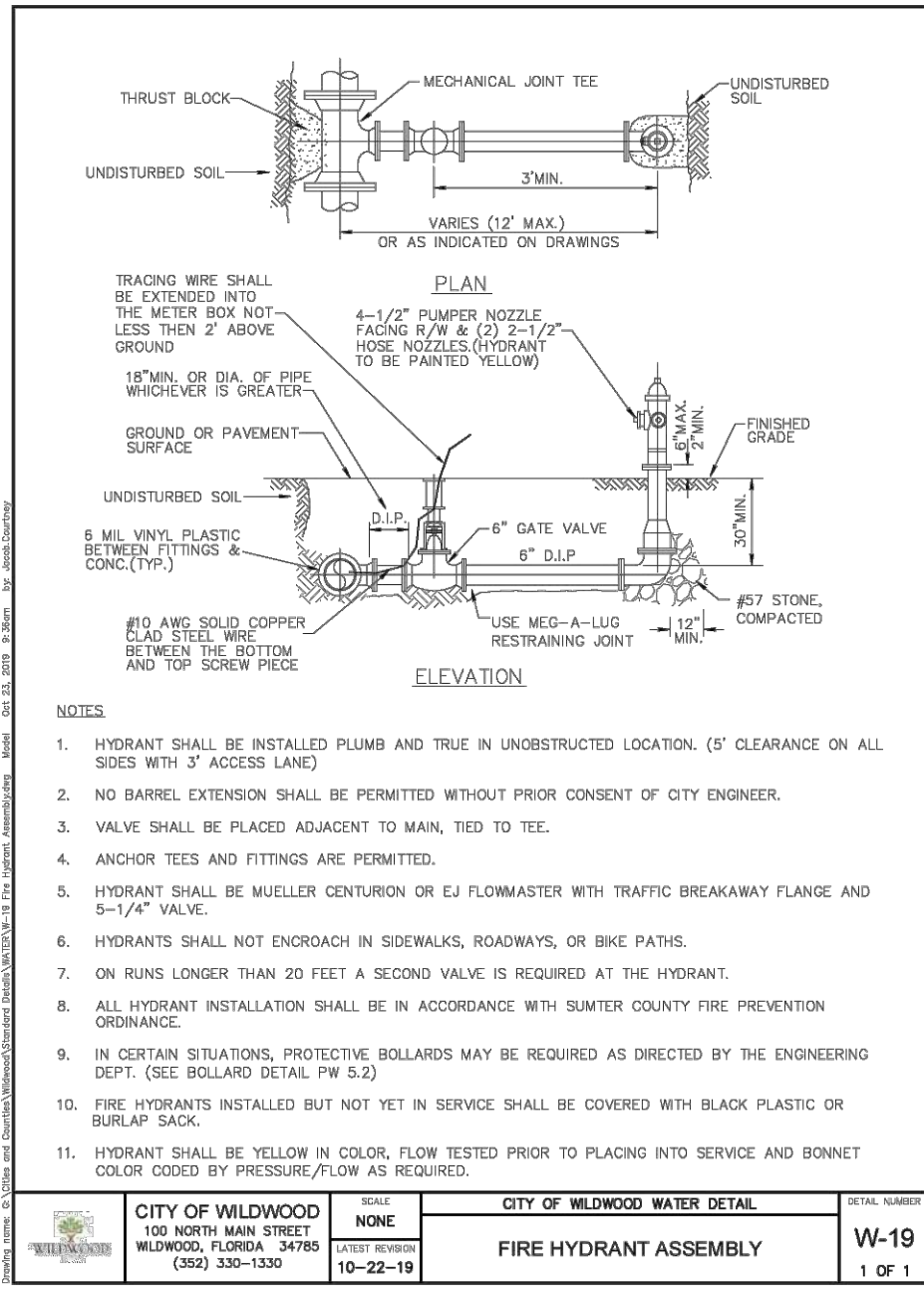




CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
10-23-19

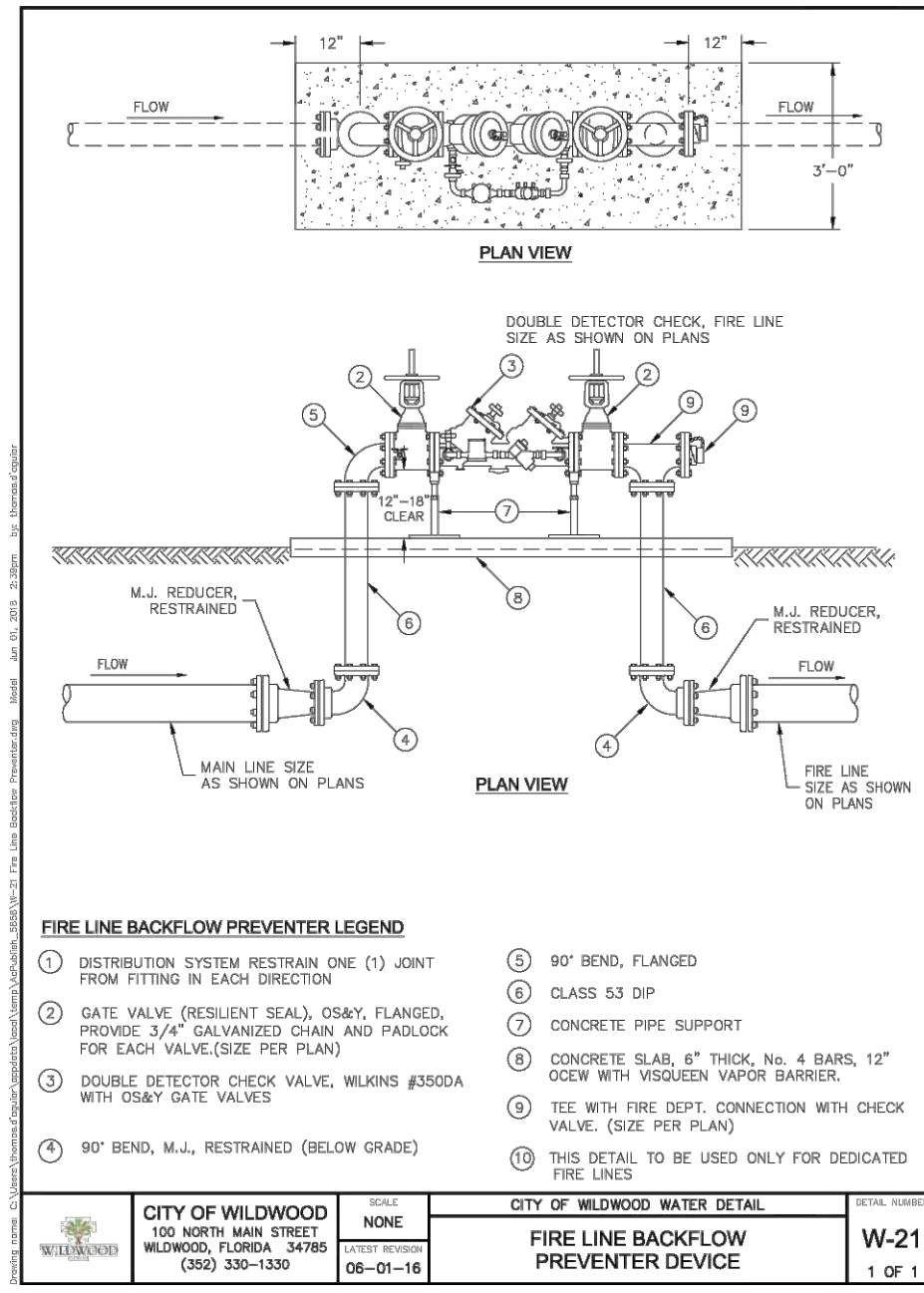
SINGLE WATER SERVICE CONNECTION  
W-14  
1 OF 1



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
10-23-19

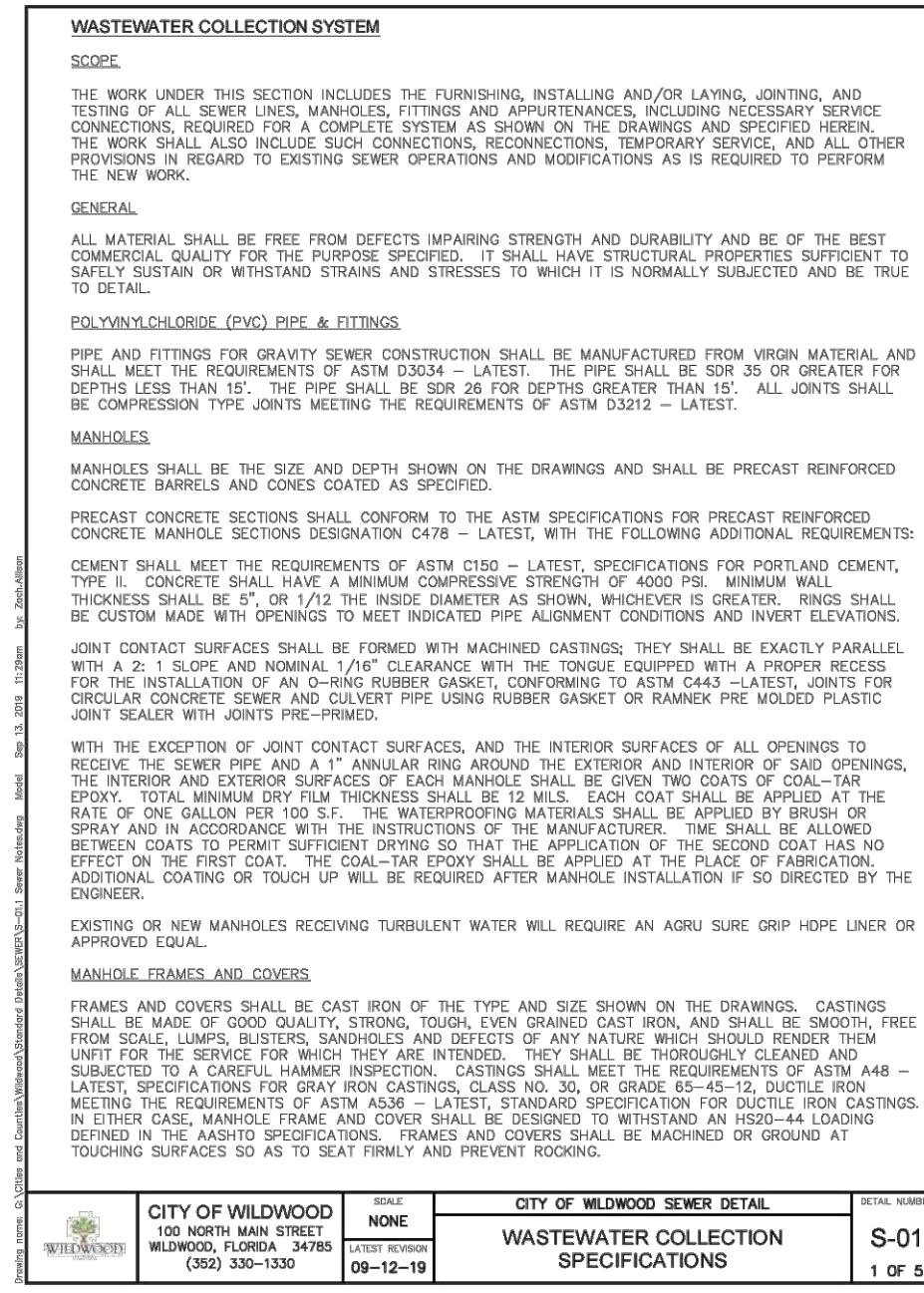
FIRE HYDRANT ASSEMBLY  
W-19  
1 OF 1



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
08-05-16

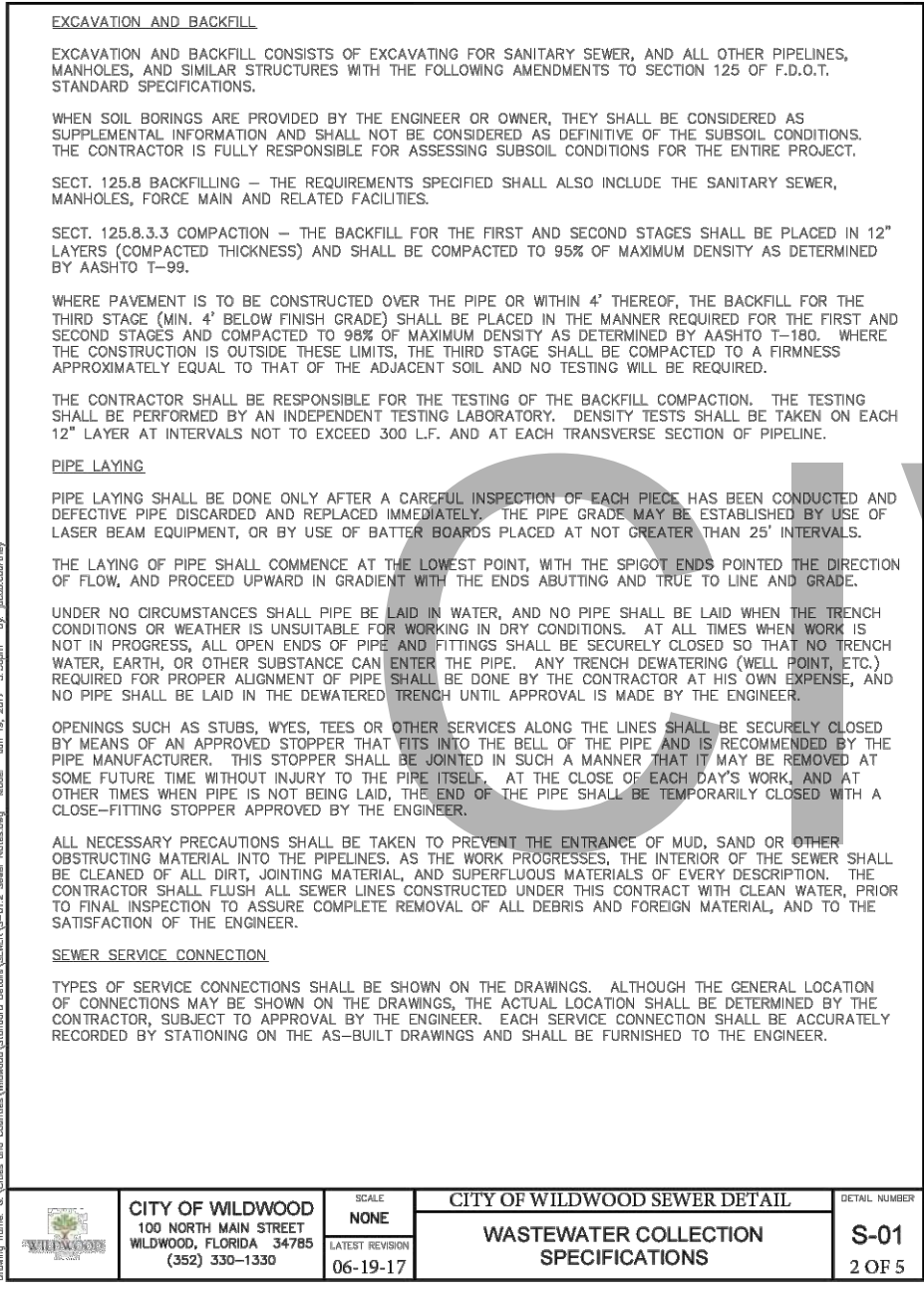
FIRE LINE BACKFLOW PREVENTER DEVICE  
W-21  
1 OF 1



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
09-12-19

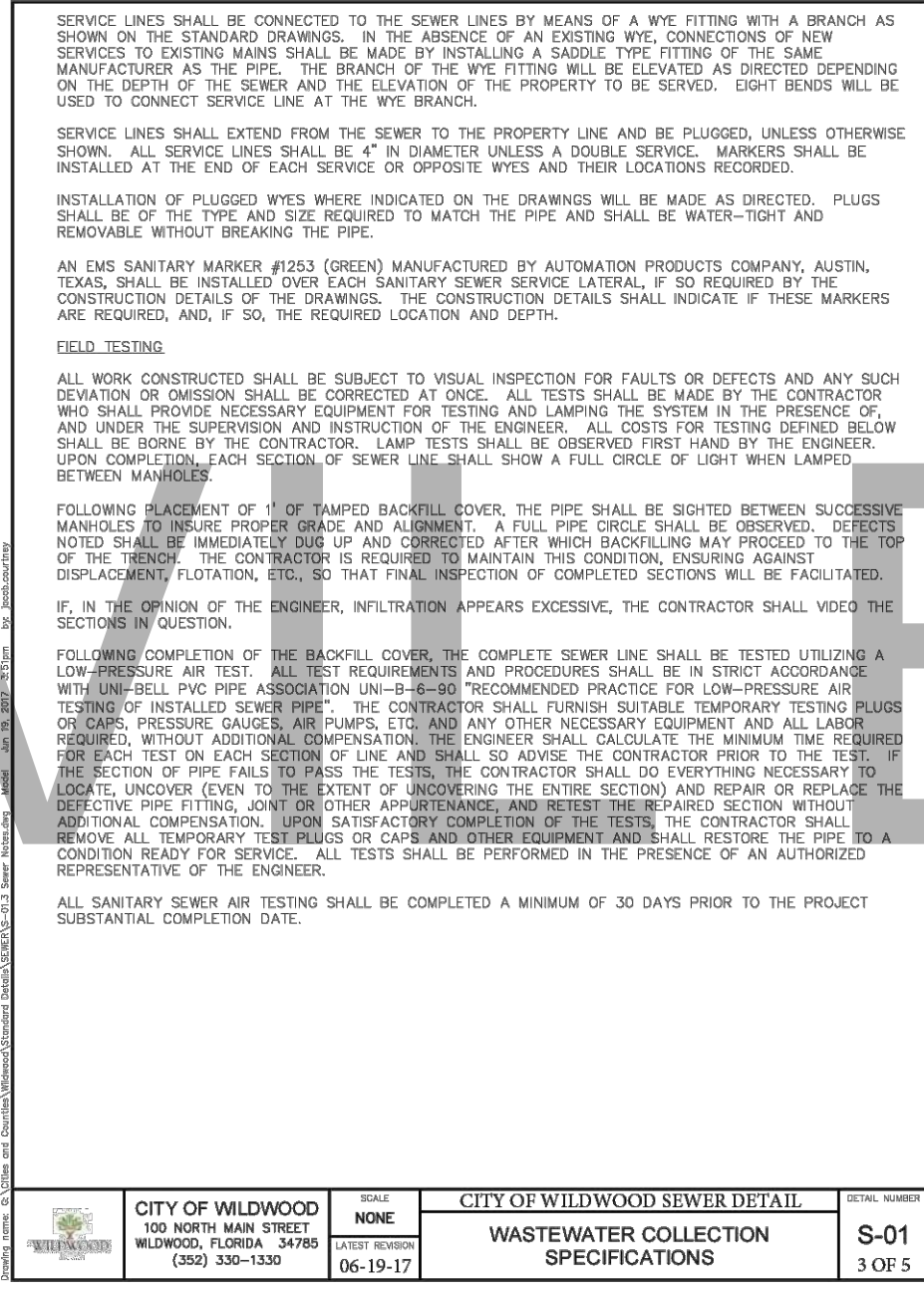
WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
1 OF 5



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

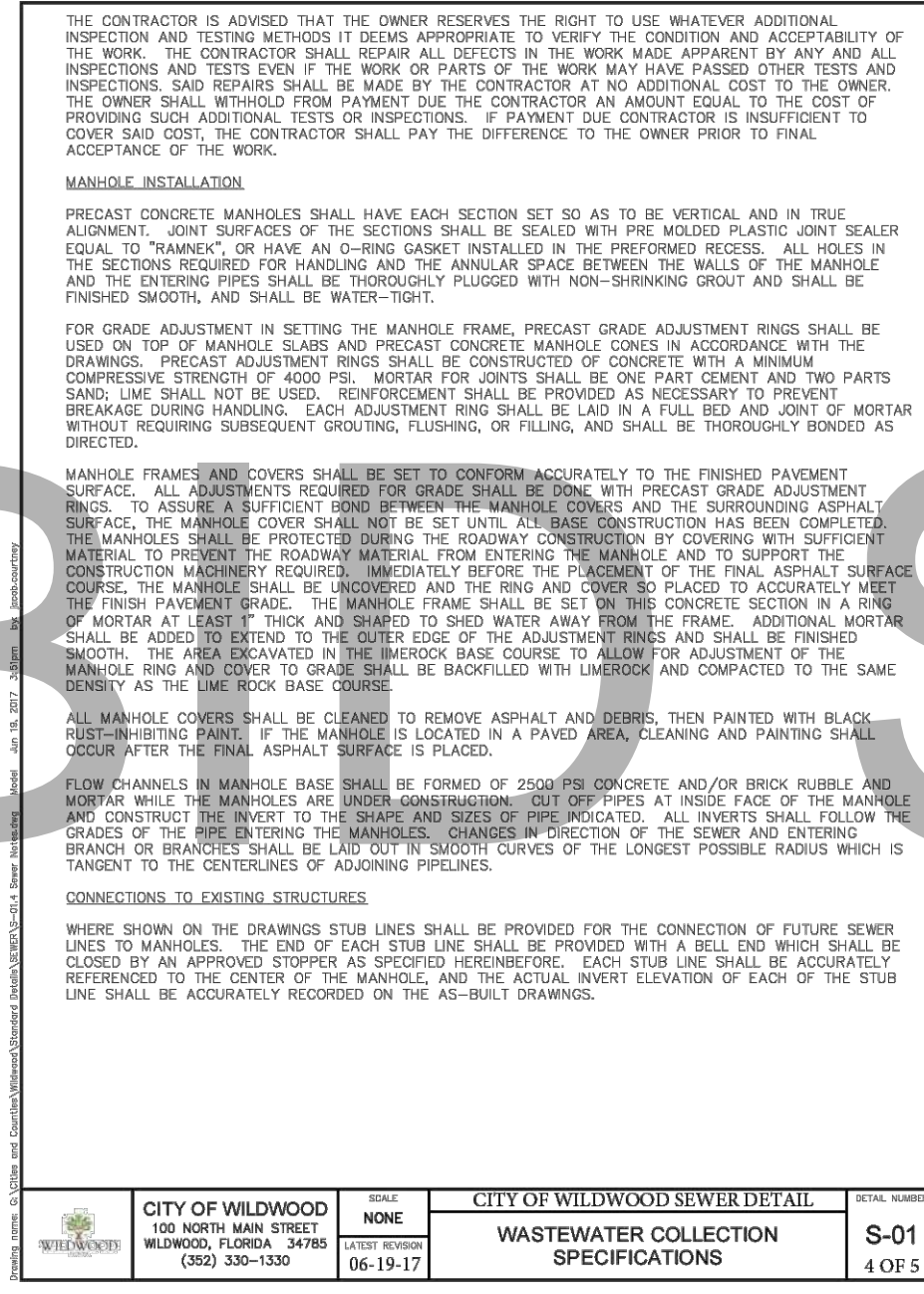
WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
2 OF 5



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

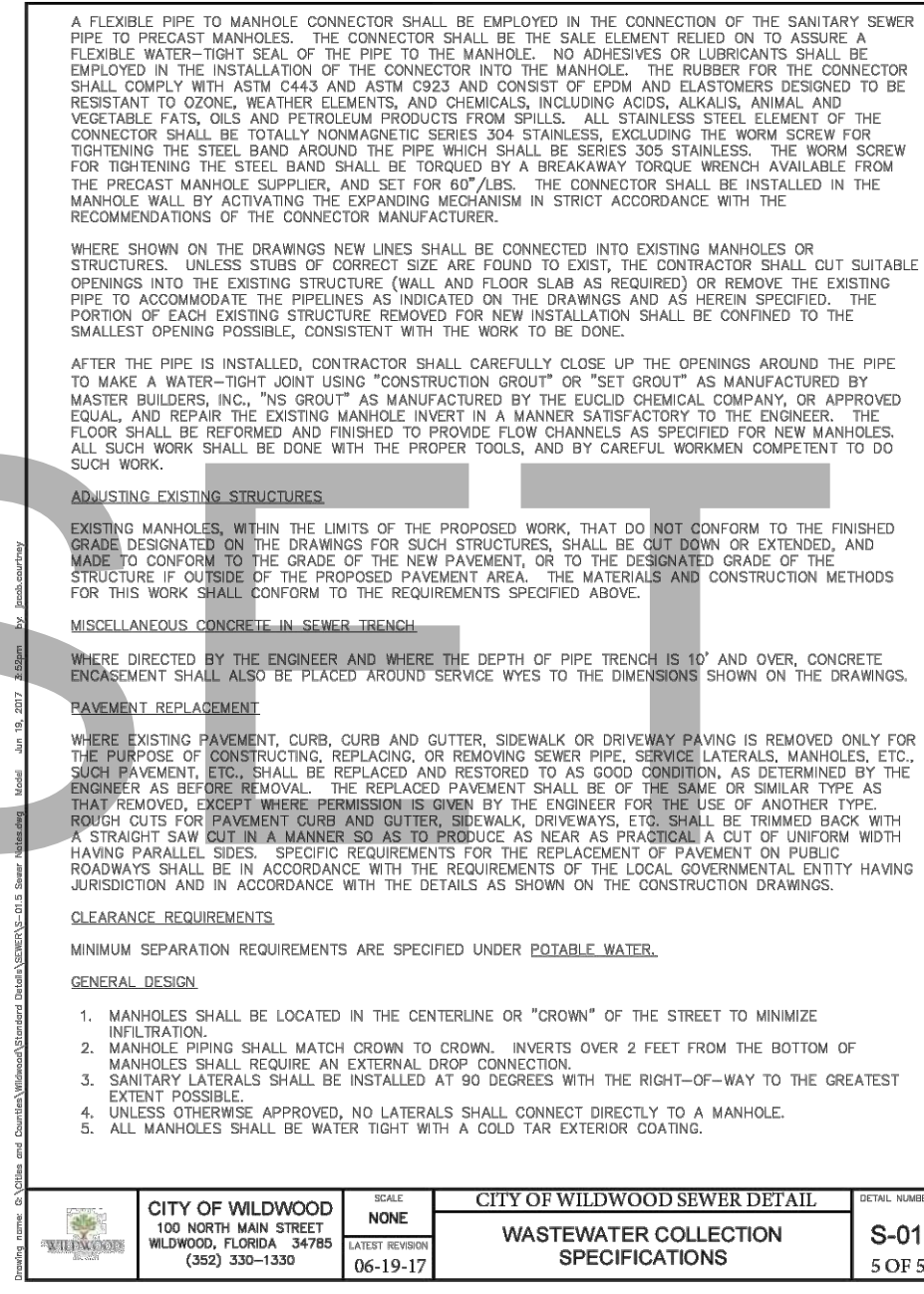
WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
3 OF 5



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

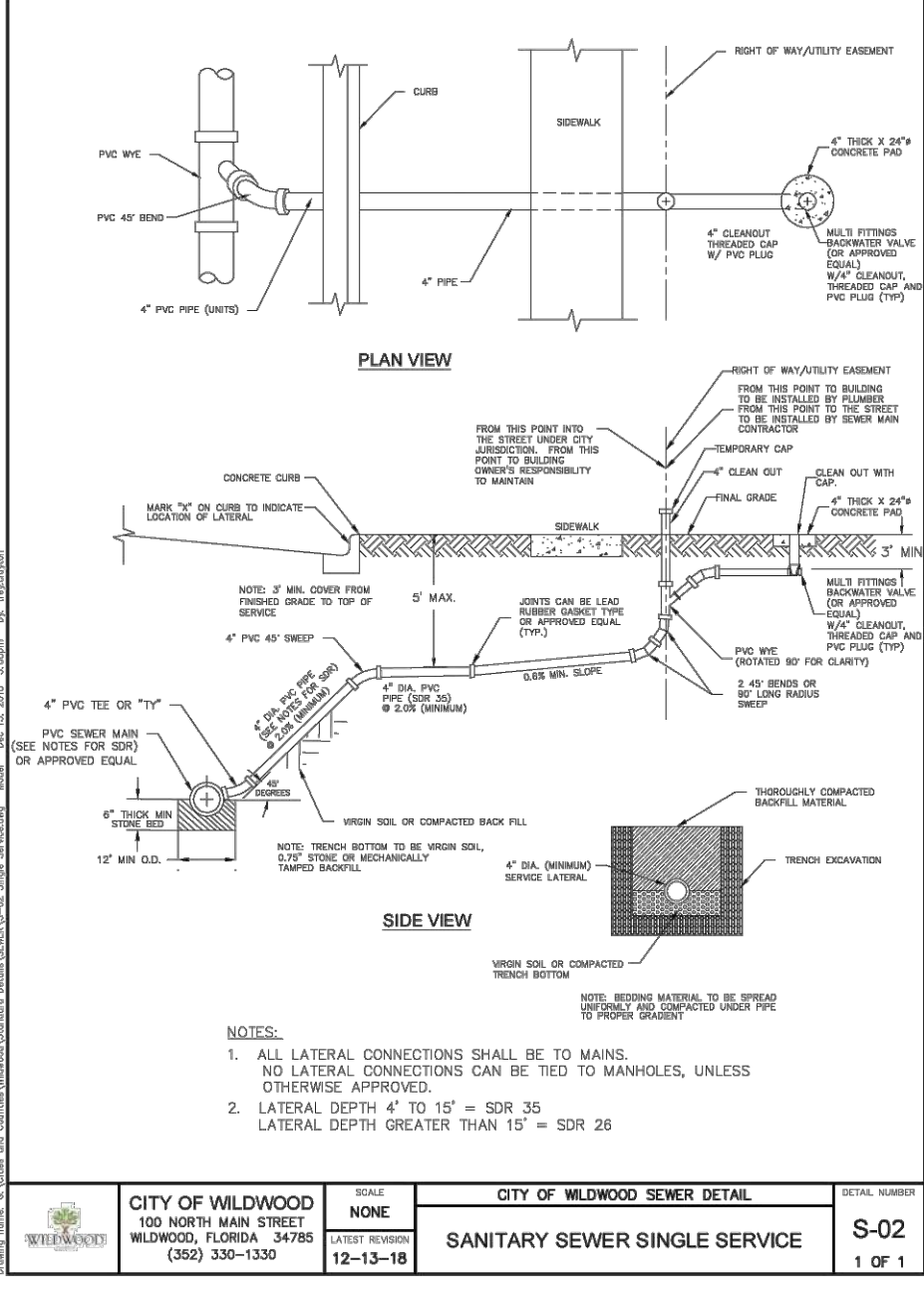
WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
4 OF 5



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

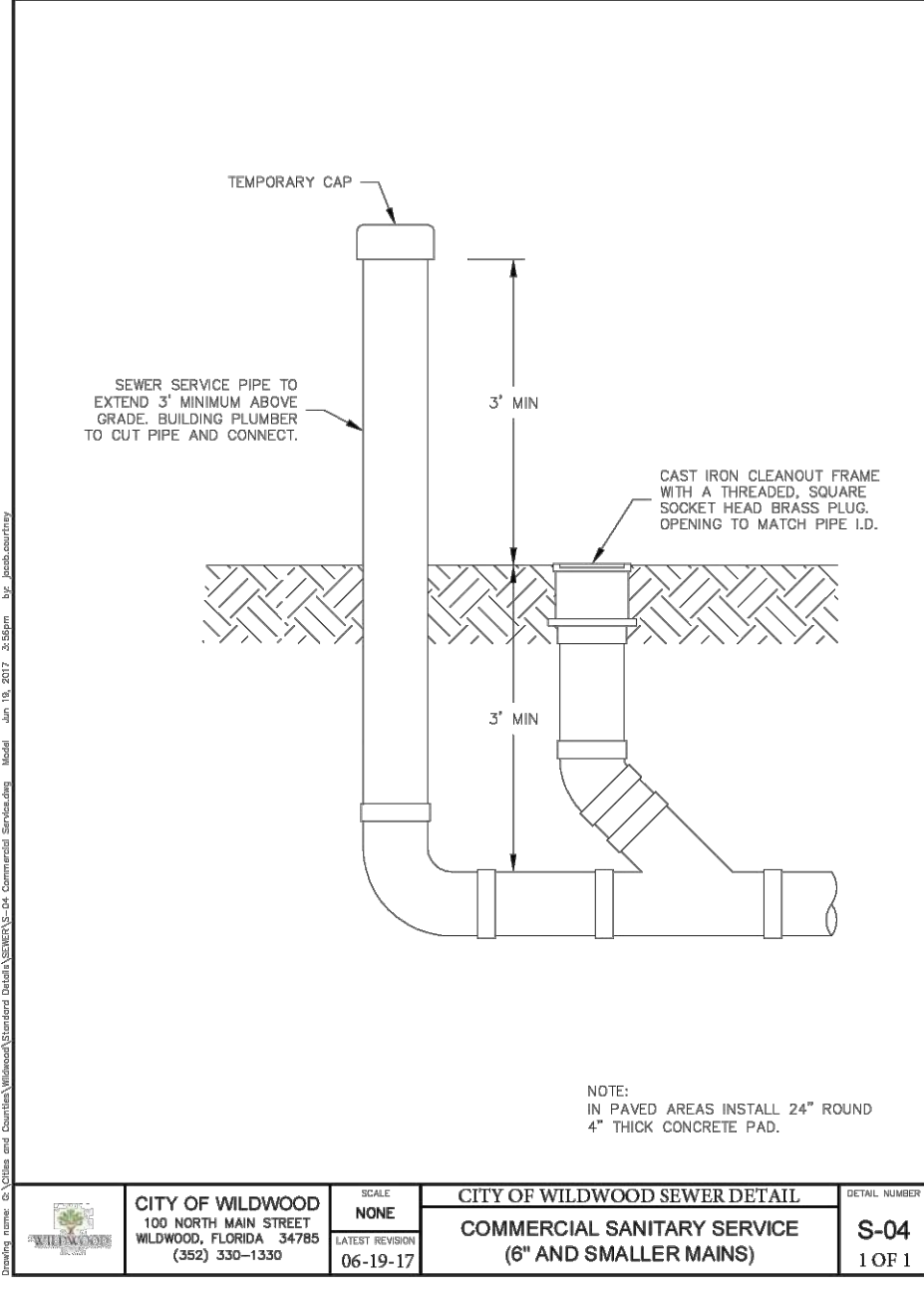
WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
5 OF 5



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
12-13-18

SANITARY SEWER SINGLE SERVICE  
S-02  
1 OF 1

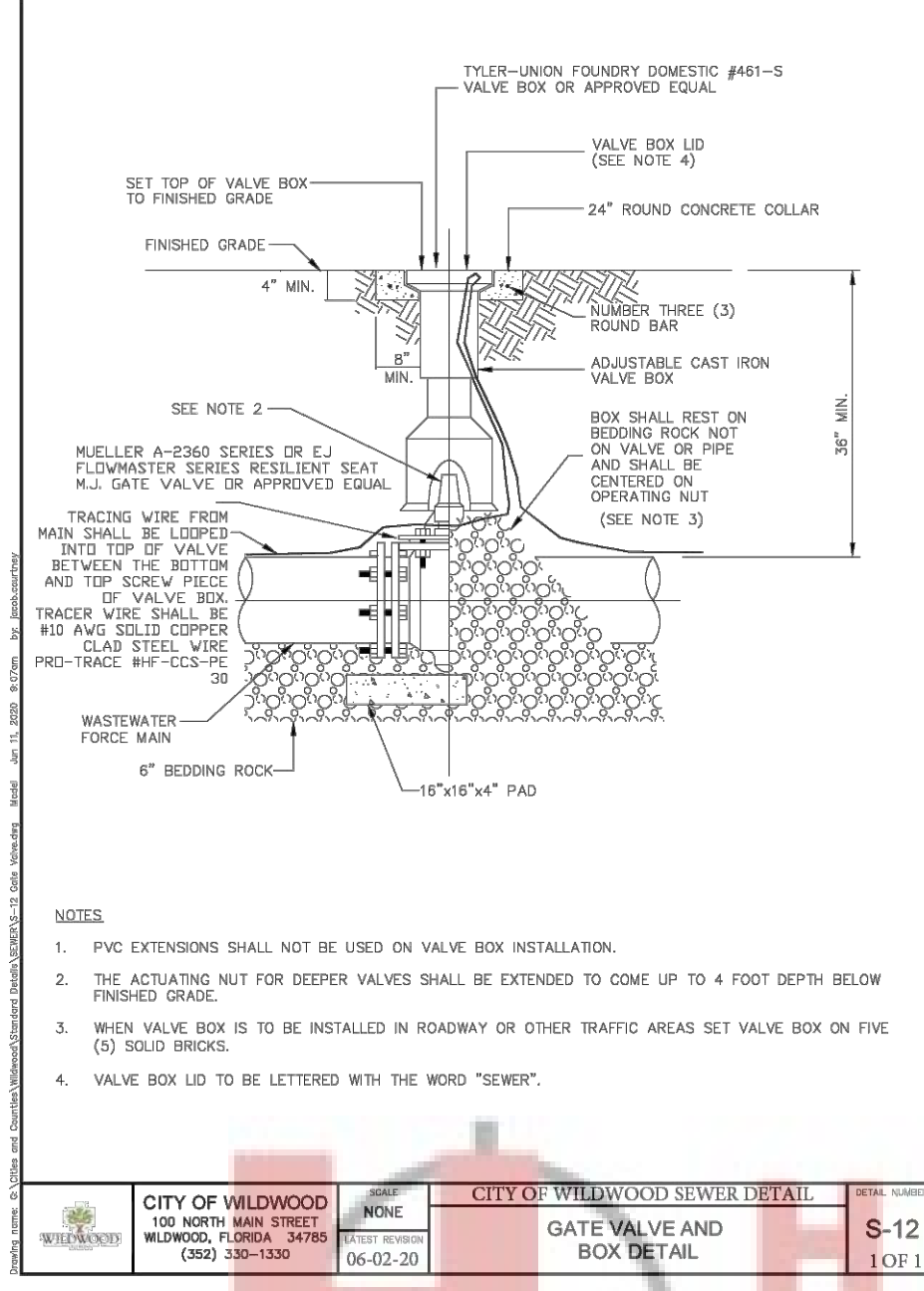


CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

COMMERCIAL SANITARY SERVICE (6\"/>

S-04  
1 OF 1



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-02-20

GATE VALVE AND BOX DETAIL  
S-12  
1 OF 1



CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
6 OF 5

CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
12-13-18

SANITARY SEWER SINGLE SERVICE  
S-02  
1 OF 1

CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

COMMERCIAL SANITARY SERVICE (6\"/>

S-04  
1 OF 1

CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

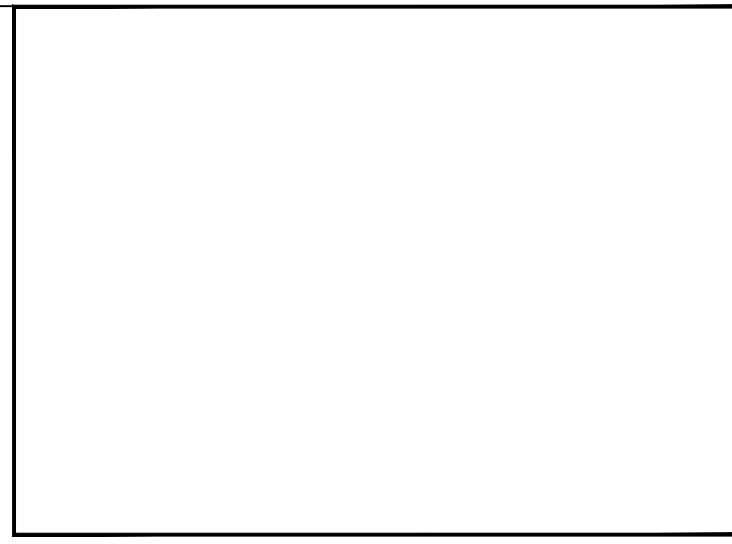
CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-02-20

GATE VALVE AND BOX DETAIL  
S-12  
1 OF 1

CITY OF WILDWOOD  
100 NORTH MAIN STREET  
WILDWOOD, FLORIDA 32190  
(904) 330-1330

CITY OF WILDWOOD WATER DETAIL  
NONE  
(904) 330-1330  
06-19-17

WASTEWATER COLLECTION SPECIFICATIONS  
S-01  
6 OF 5



DATE	06-16-22
REVISION	07-02-21
NO.	04-09-21
PERMITTING ISSUE	1
PER CITY REVIEW	2
PER OWNER REVIEW	3
NO.	

PAOLO MASTROSERIO, P.E.  
FL REG. #56691  
PAOLO@MASTROSERIOENGINEERING.COM  
FL CERT. OF AUTH. #261519

MASTROSERIO ENGINEERING, INC  
CIVIL / ENVIRONMENTAL

170 SE 32ND PLACE  
CALAMITA, FL 32476  
PAOLO@MASTROSERIOENGINEERING.COM  
FL CERT. OF AUTH. #261519

DATE	12-07-20
SCALE	1" = 20"
DRAWN BY	SU
DRAWING NAME	DR. HEYDARI MEDICAL OFFICE
SHEET NO.	C010
VERSION	0