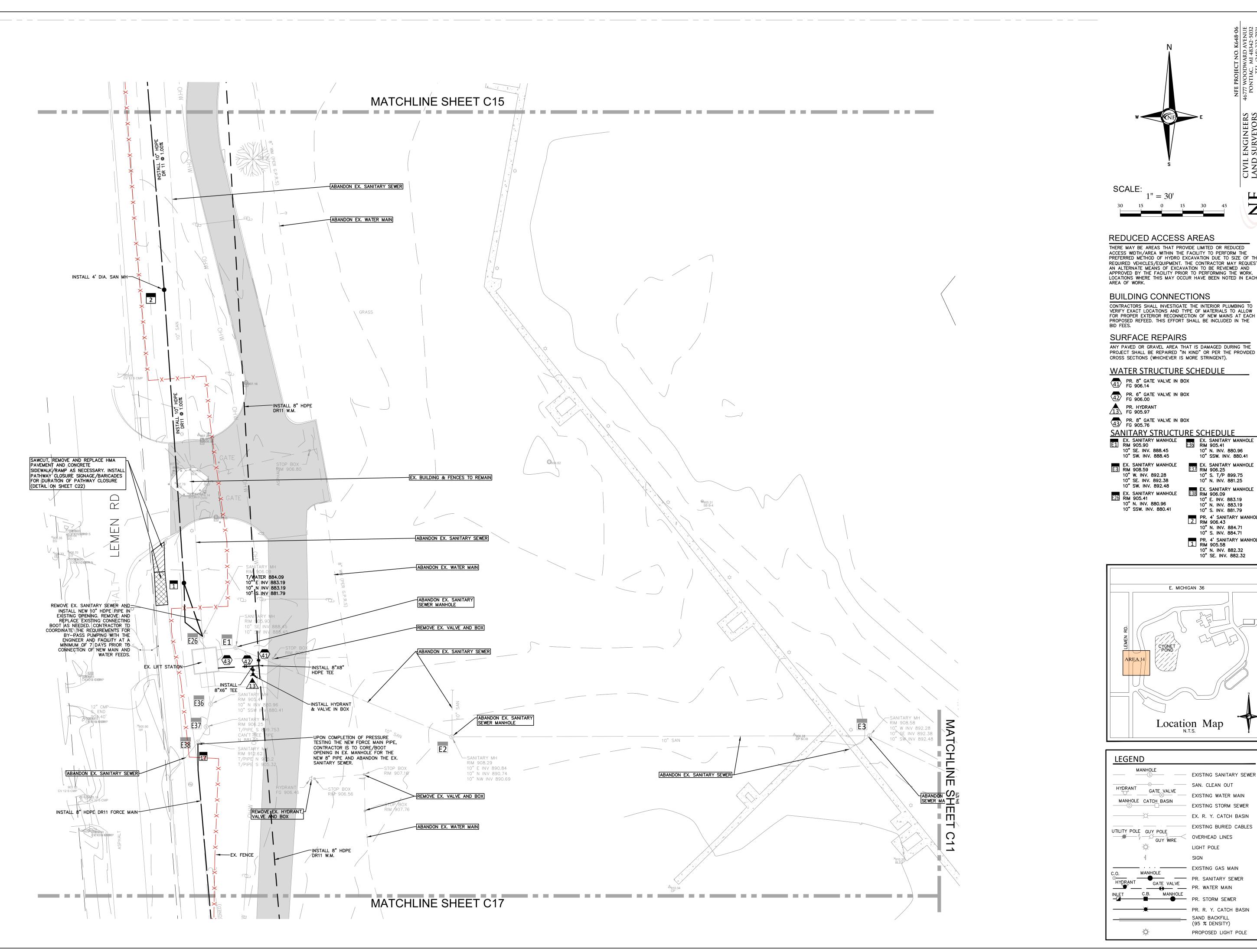


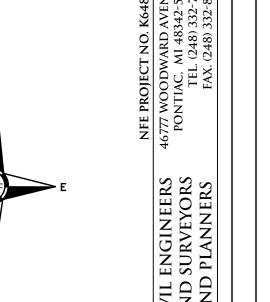


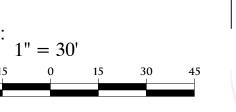
RRECTIONAL CENTER OVEMENT PROGRAM

WOODLAND COF - UTILITY IMPRO

IMPROVEMENT F AREA 13







REDUCED ACCESS AREAS

THERE MAY BE AREAS THAT PROVIDE LIMITED OR REDUCED ACCESS WIDTH/AREA WITHIN THE FACILITY TO PERFORM THE PREFERRED METHOD OF HYDRO EXCAVATION DUE TO SIZE OF THE REQUIRED VEHICLES/EQUIPMENT. THE CONTRACTOR MAY REQUEST AN ALTERNATE MEANS OF EXCAVATION TO BE REVIEWED AND APPROVED BY THE FACILITY PRIOR TO PERFORMING THE WORK. LOCATIONS WHERE THIS MAY OCCUR HAVE BEEN NOTED IN EACH AREA OF WORK.

CONTRACTORS SHALL INVESTIGATE THE INTERIOR PLUMBING TO VERIFY EXACT LOCATIONS AND TYPE OF MATERIALS TO ALLOW FOR PROPER EXTERIOR RECONNECTION OF NEW MAINS AT EACH PROPOSED REFEED. THIS EFFORT SHALL BE INCLUDED IN THE

WATER STRUCTURE SCHEDULE

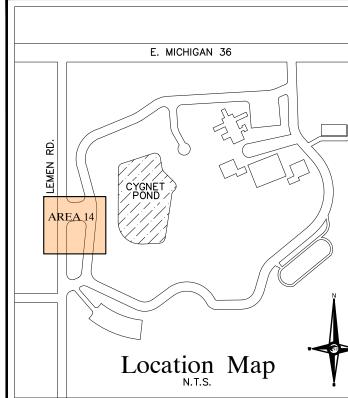
EX. SANITARY MANHOLE RIM 905.41

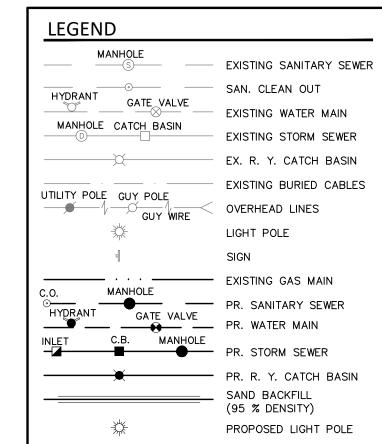
EX. SANITARY MANHOLE RIM 906.25 10" S. T/P 899.75 10" N. INV. 881.25 EX. SANITARY MANHOLE RIM 906.09 10" N. INV. 883.19 10" S. INV. 881.79 PR. 4' SANITARY MANHOLE RIM 906.43

10" N. INV. 880.96

10" SSW. INV. 880.41

10" N. INV. 884.71 10" S. INV. 884.71 PR. 4' SANITARY MANHOLE RIM 905.58 10" N. INV. 882.32 10" SE. INV. 882.32





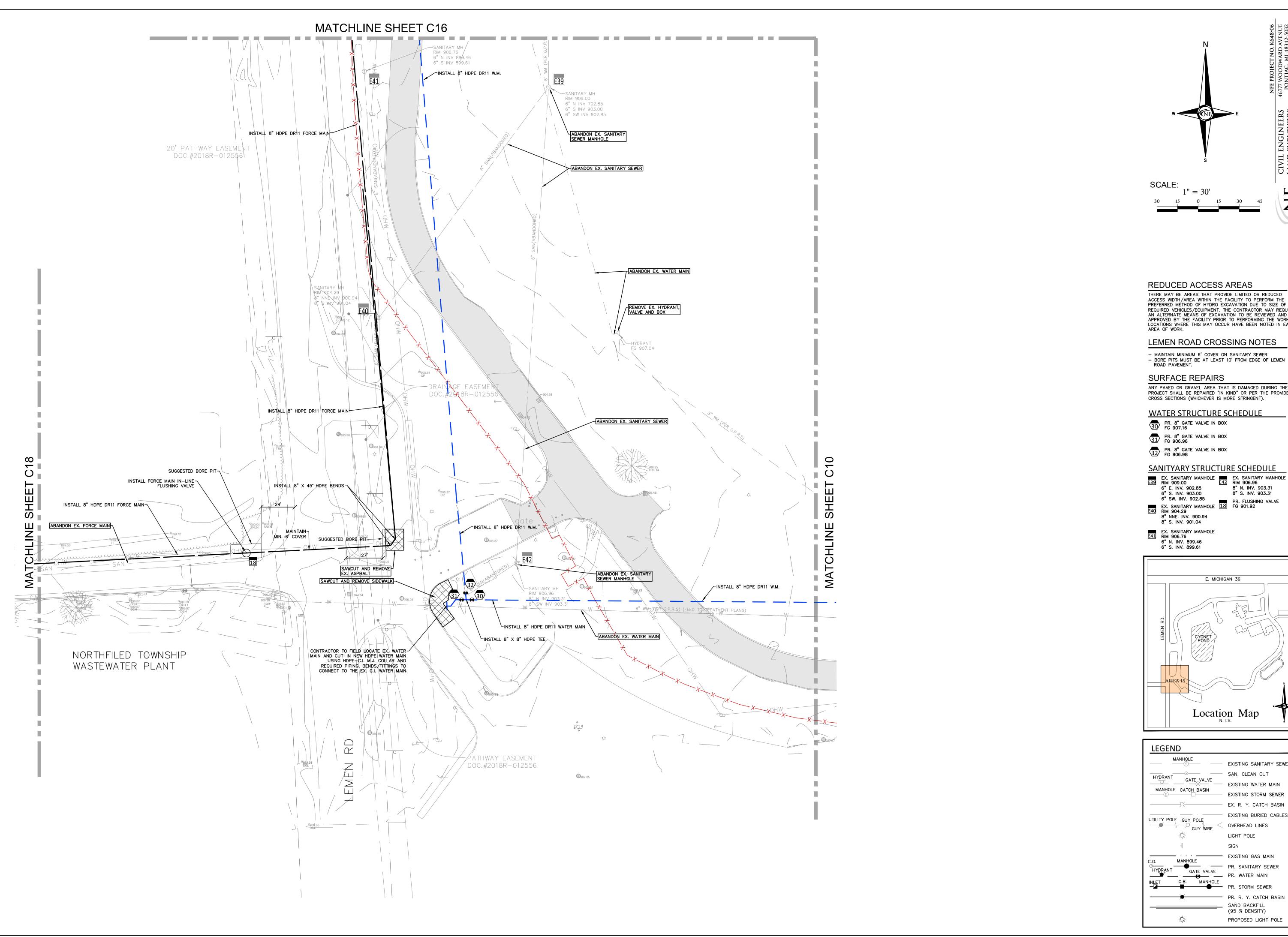
IMPROVEMENT AREA 14

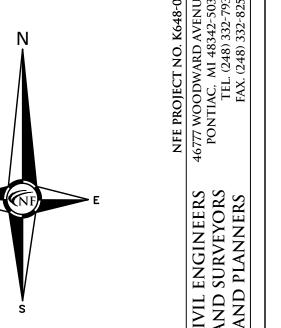
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RRECTIONAL CENTER
OVEMENT PROGRAM

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REDUCED ACCESS AREAS THERE MAY BE AREAS THAT PROVIDE LIMITED OR REDUCED ACCESS WIDTH/AREA WITHIN THE FACILITY TO PERFORM THE PREFERRED METHOD OF HYDRO EXCAVATION DUE TO SIZE OF THE REQUIRED VEHICLES/EQUIPMENT. THE CONTRACTOR MAY REQUEST AN ALTERNATE MEANS OF EXCAVATION TO BE REVIEWED AND APPROVED BY THE FACILITY PRIOR TO PERFORMING THE WORK.

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LEMEN ROAD CROSSING NOTES

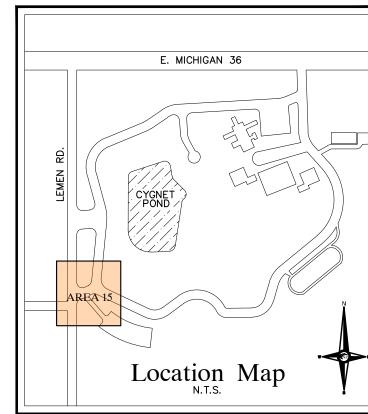
MAINTAIN MINIMUM 6' COVER ON SANITARY SEWER.
 BORE PITS MUST BE AT LEAST 10' FROM EDGE OF LEMEN ROAD PAVEMENT.

ANY PAVED OR GRAVEL AREA THAT IS DAMAGED DURING THE PROJECT SHALL BE REPAIRED "IN KIND" OR PER THE PROVIDED CROSS SECTIONS (WHICHEVER IS MORE STRINGENT).

WATER STRUCTURE SCHEDULE

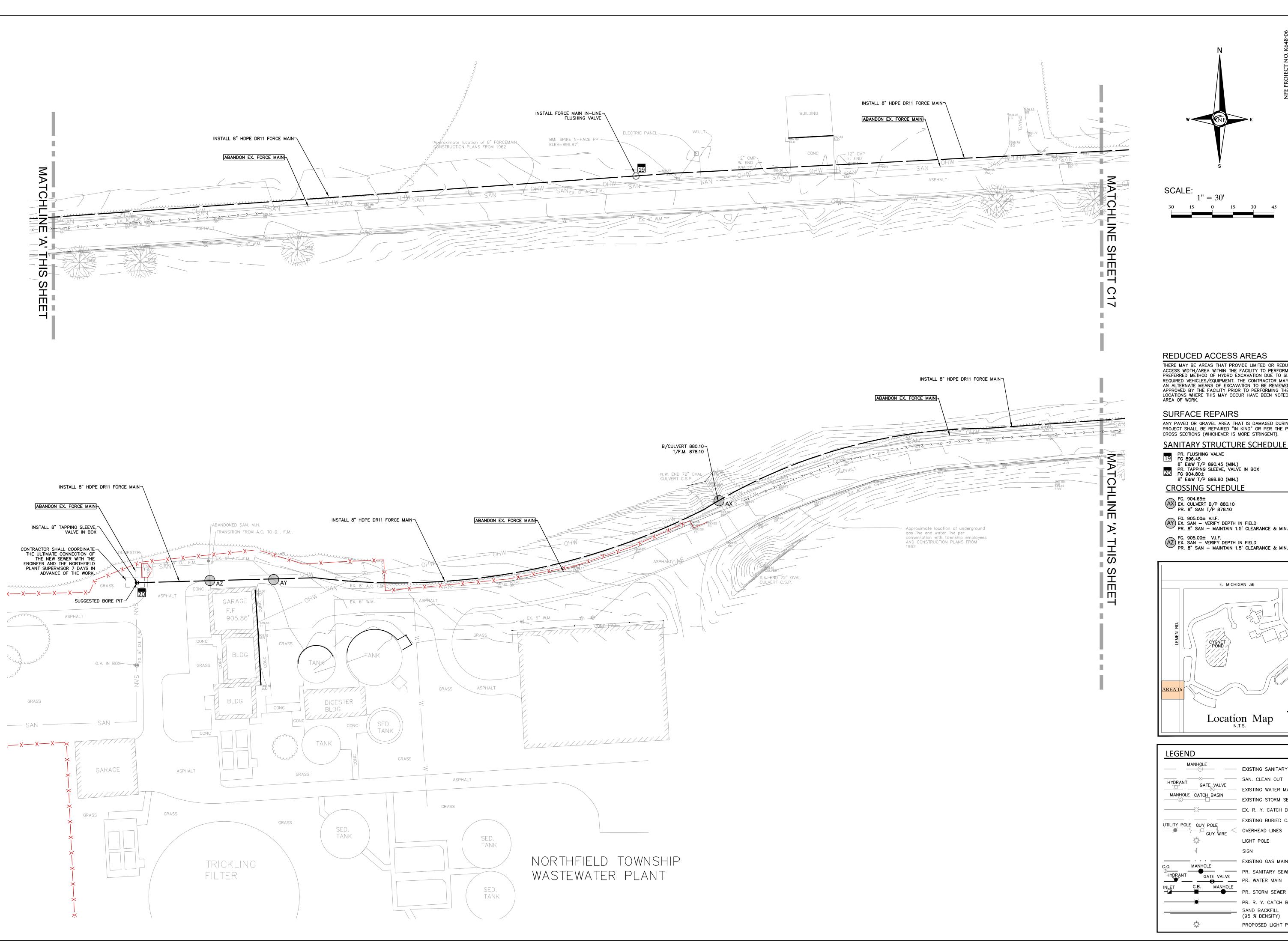
SANITYARY STRUCTURE SCHEDULE

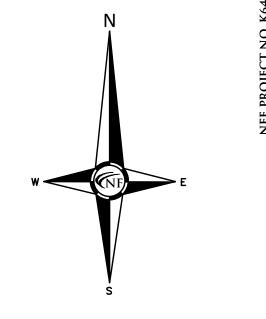
EX. SANITARY MANHOLE RIM 909.00 E42 RIM 906.96 8" N. INV. 903.31 8" S. INV. 903.31



LEGEND	
	EXISTING SANITARY SEWER
HYDRANT GATE VALVE MANHOLE CATCH BASIN	SAN. CLEAN OUT EXISTING WATER MAIN EXISTING STORM SEWER
UTILITY POLE GUY POLE GUY WIRE	EX. R. Y. CATCH BASIN EXISTING BURIED CABLES OVERHEAD LINES LIGHT POLE SIGN
C.O. MANHOLE HYDRANT GATE VALVE INLET C.B. MANHOLE	EXISTING GAS MAIN PR. SANITARY SEWER PR. WATER MAIN PR. STORM SEWER PR. R. Y. CATCH BASIN SAND BACKFILL (95 % DENSITY) PROPOSED LIGHT POLE

IMPROVEMENT F AREA 15





CTIONAL CENTER

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THERE MAY BE AREAS THAT PROVIDE LIMITED OR REDUCED ACCESS WDTH/AREA WITHIN THE FACILITY TO PERFORM THE PREFERRED METHOD OF HYDRO EXCAVATION DUE TO SIZE OF THE REQUIRED VEHICLES/EQUIPMENT. THE CONTRACTOR MAY REQUEST AN ALTERNATE MEANS OF EXCAVATION TO BE REVIEWED AND APPROVED BY THE FACILITY PRIOR TO PERFORMING THE WORK.

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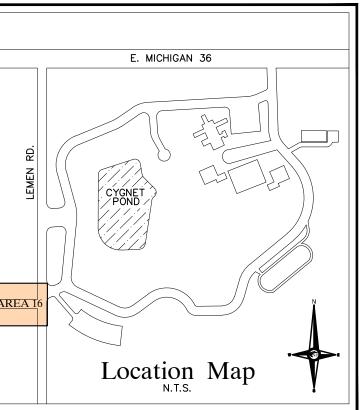
CROSSING SCHEDULE

FG. 905.00± V.I.F.
EX. SAN - VERIFY DEPTH IN FIELD
PR. 8" SAN - MAINTAIN 1.5' CLEARANCE & MIN. 5.5' COVER

FG. 905.00± V.I.F.

EX. SAN - VERIFY DEPTH IN FIELD

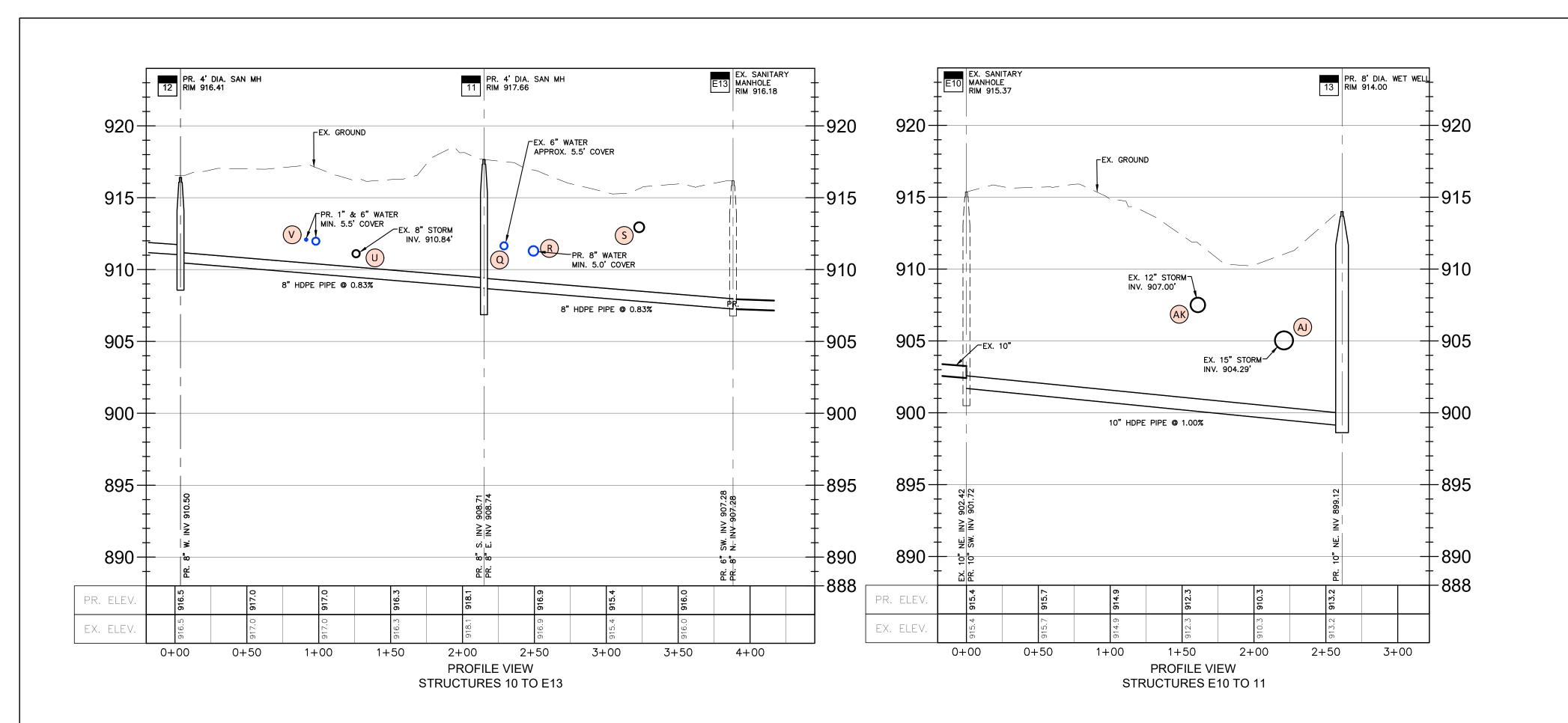
PR. 8" SAN - MAINTAIN 1.5' CLEARANCE & MIN. 5.5' COVER

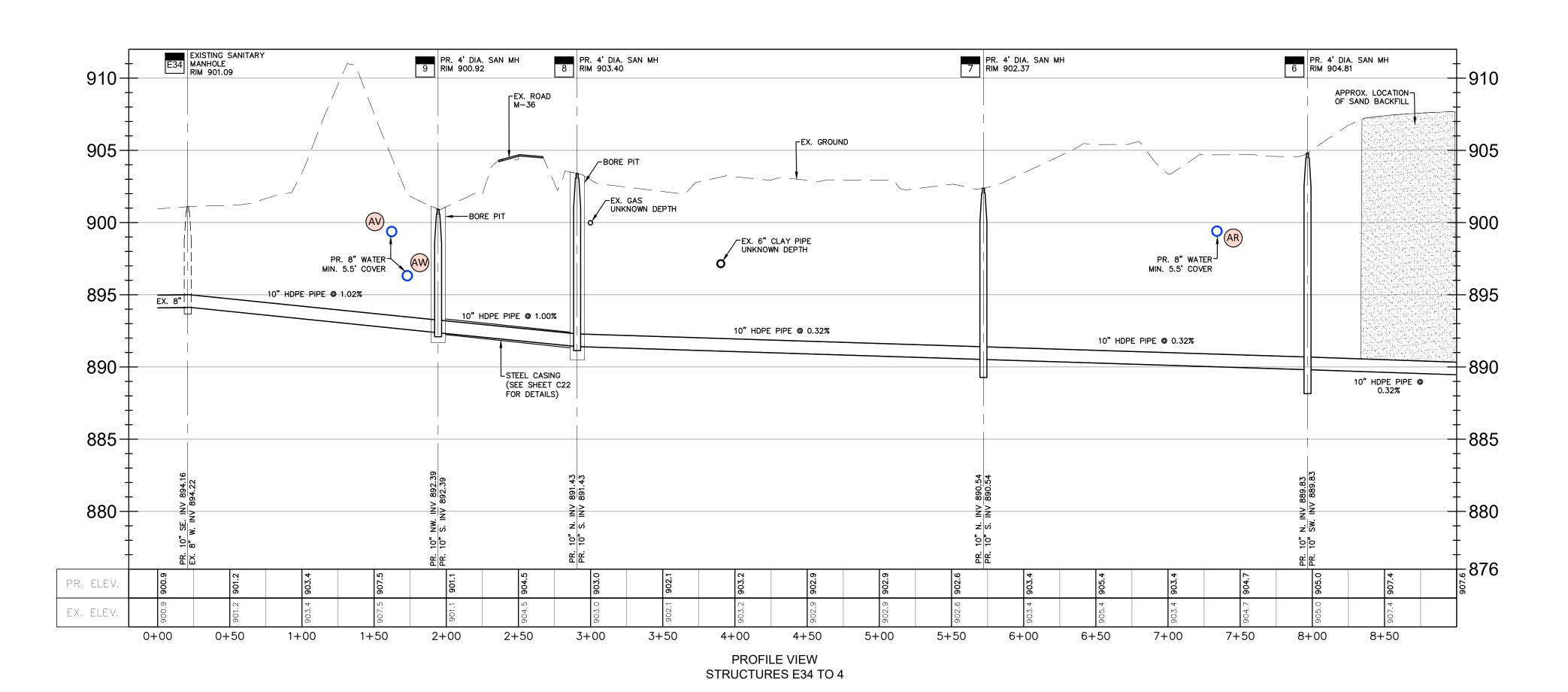


LEGEND	
MANHOLE	- EXISTING SANITARY SEWER
	SAN. CLEAN OUT
GATE VALVE	EXISTING WATER MAIN
MANHOLE CATCH BASIN	EXISTING STORM SEWER
X	EX. R. Y. CATCH BASIN
UTILITY POLE GUY POLE	EXISTING BURIED CABLES
GUY WIRE	OVERHEAD LINES
禁	LIGHT POLE
ф	SIGN
C.O. MANHOLE	- EXISTING GAS MAIN
HYDRANT GATE VALVE	PR. SANITARY SEWER
INLET C.B. MANHOLE	PR. WATER MAIN
WANTOLL	- PR. STORM SEWER
	PR. R. Y. CATCH BASIN
	_ SAND BACKFILL (95 % DENSITY)
**	PROPOSED LIGHT POLE



IMPROVEMENT AREA 16





CROSSING SCHEDULE

FG. 916.95± EX. 6" WTR B/P APPROX. 911.25 PR 8" SAN T/P 908.72

FG. 904.65± PR. 10" SAN B/P 890.00 PR. 8" WATER T/P 899.15

R FG. 916.67± PR 8" WTR B/P 911.17 PR. 8" SAN T/P 909.16

FG. 905.62± PR. 8" WATER B/P 899.45 PR. 10" SAN T/P 893.67 FG. 902.20± PR. 8" WATER B/P 896.03 PR. 10" SAN T/P 893.62

FG. 915.48± EX. 8" STM B/P APPROX. 912.60 PR. 8" SAN T/P 909.16 FG. 917.08± EX. 8" STORM B/P APPROX. 910.84 PR 8" SAN T/P 910.12

FG. 917.03± PR 8" SAN B/P 909.68 PR 4" WATER T/P 908.74 PR 6" WATER T/P 908.74

FG. 910.90± EX. 15" STORM - VERIFY IN FIELD PR. 10" SAN T/P 900.28 AK FG. 911.85± EX. 12" STORM B/P 906.86 PR. 10" SAN T/P 901.31

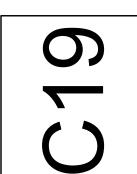
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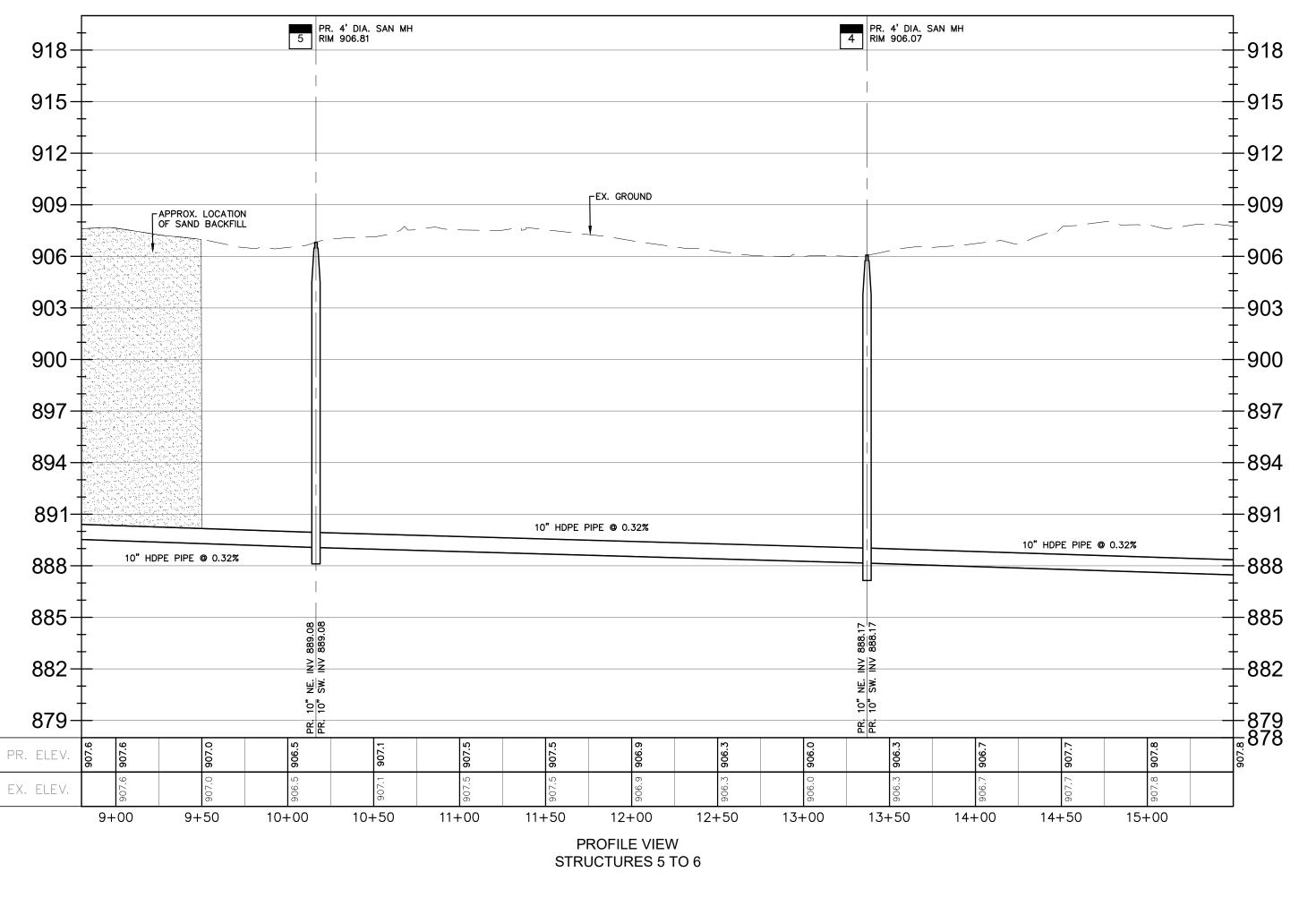
CT DESCRIPTION	
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JINGSTON COUNTY, MICHIGAN	DAJ

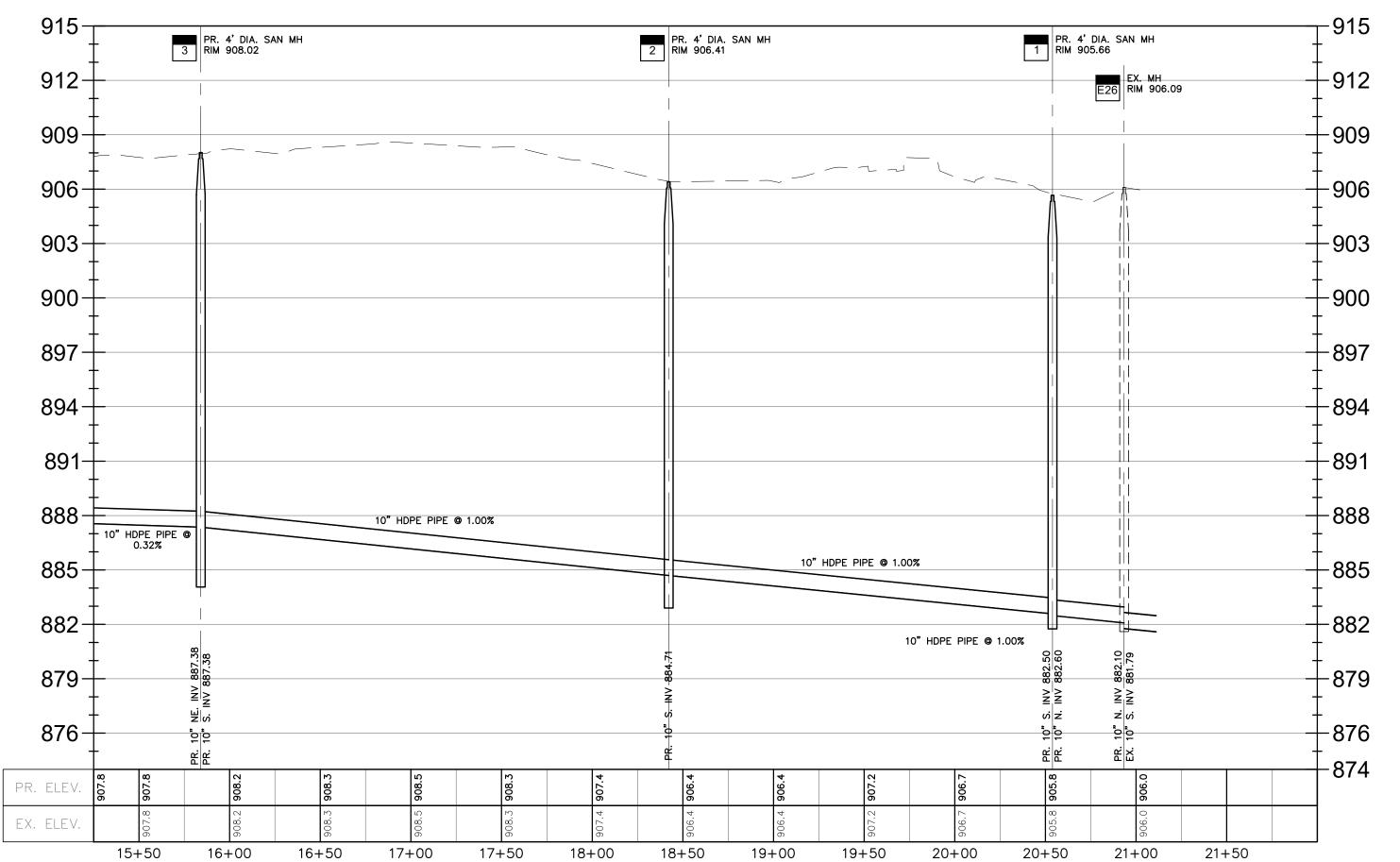
PROJECT
WOODLAND CORF
- UTILITY IMPROV

SANITARY PROFILES

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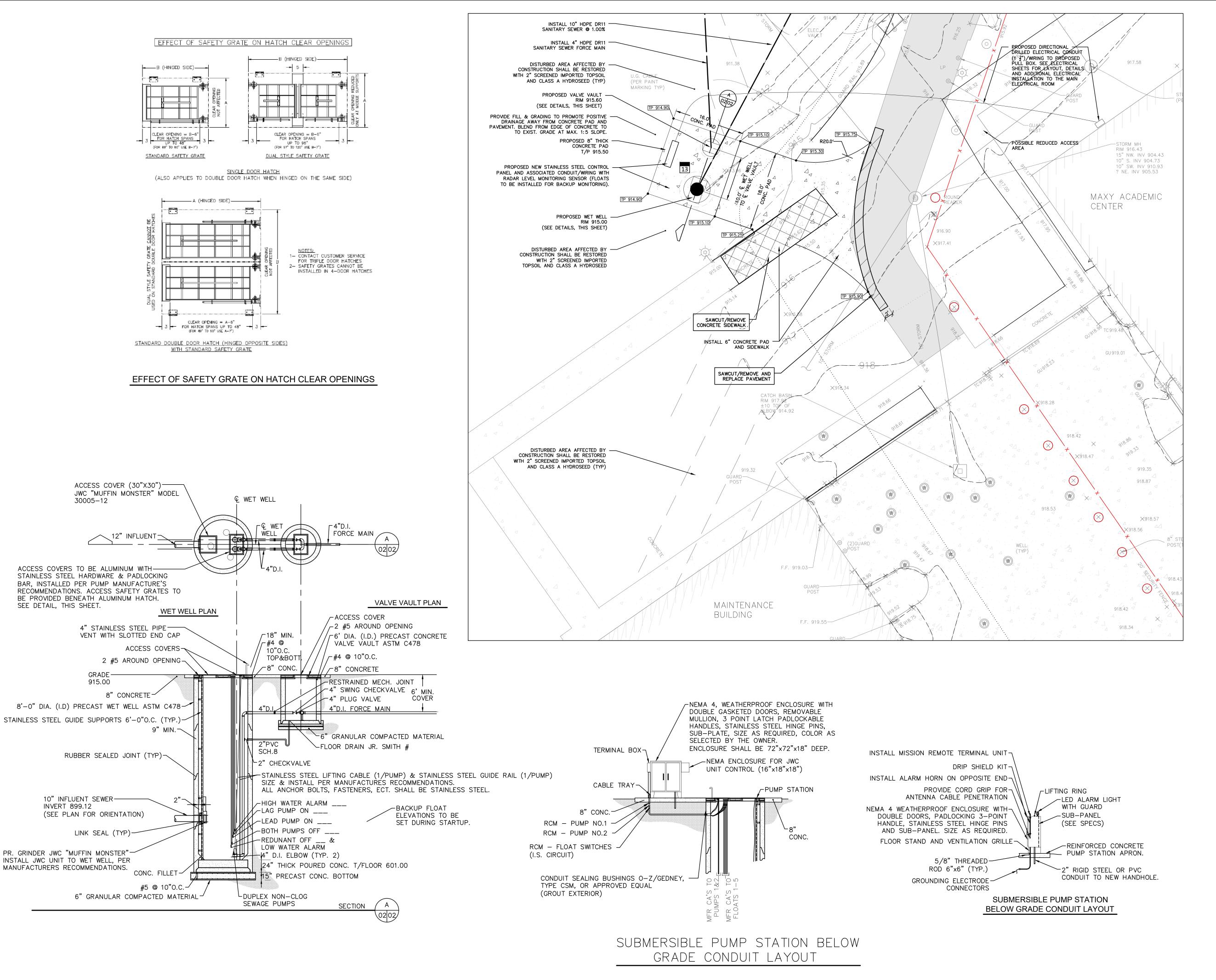


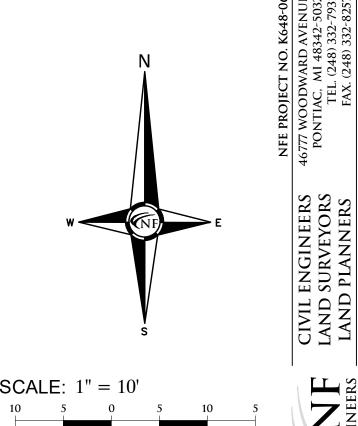


PROFILE VIEW STRUCTURES 7 TO E26

SANITARY

RRECTIONAL CENTER OVEMENT PROGRAM





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REDUCED ACCESS AREAS

THERE MAY BE AREAS THAT PROVIDE LIMITED OR REDUCED ACCESS WIDTH/AREA WITHIN THE FACILITY TO PERFORM THE PREFERRED METHOD OF HYDRO EXCAVATION DUE TO SIZE OF THE REQUIRED VEHICLES/EQUIPMENT. THE CONTRACTOR MAY REQUEST AN ALTERNATE MEANS OF EXCAVATION TO BE REVIEWED AND APPROVED BY THE FACILITY PRIOR TO PERFORMING THE WORK. LOCATIONS WHERE THIS MAY OCCUR HAVE BEEN NOTED IN EACH AREA OF WORK.

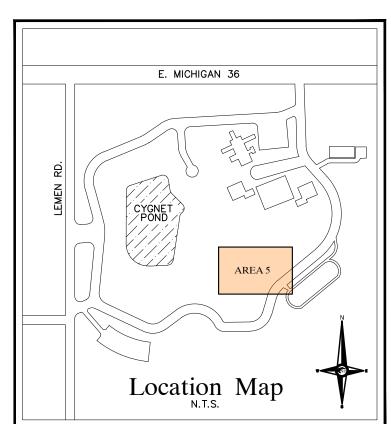
DEWATERING / BY-PASS PUMPING THE CONTRACTOR SHALL ANTICIPATE DEWATERING AS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. ALL COSTS FOR THIS EFFORT SHALL BE INCLUDED IN THE PROJECT COST AND WILL NOT BE PAID FOR SEPARATELY. THE CONTRACTOR SHALL WORK WITH DOC STAFF

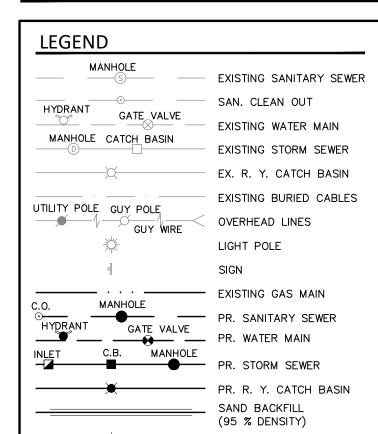
THE CONTRACTOR SHALL ALSO BE PREPARED FOR BY-PASS SEWER PUMPING DURING THE TURN OVER OF THE SYSTEM, SUCH THAT SEWER FLOW IS NOT INTERRUPTED TO THE FACILITY. REVIEW SPECIFICATIONS FOR REQUIREMENTS INCLUDING PREPARATION OF A BY-PASS PLAN FOR REVIEW AND APPROVAL. NEED FOR SUPERVISION AND OVERSIGHT OF PUMPS WHILE OPERATING AND STANDBY PUMP

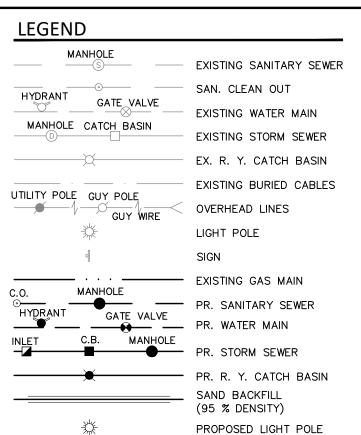
TO FIND AN AGREEABLE OUTLET TO PUMP GROUNDWATER, SO AS TO NOT CAUSE EROSION OR SATURATE THE WORKSITE.

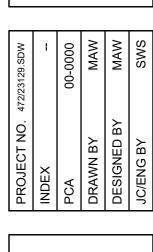
PUMP AND HAUL

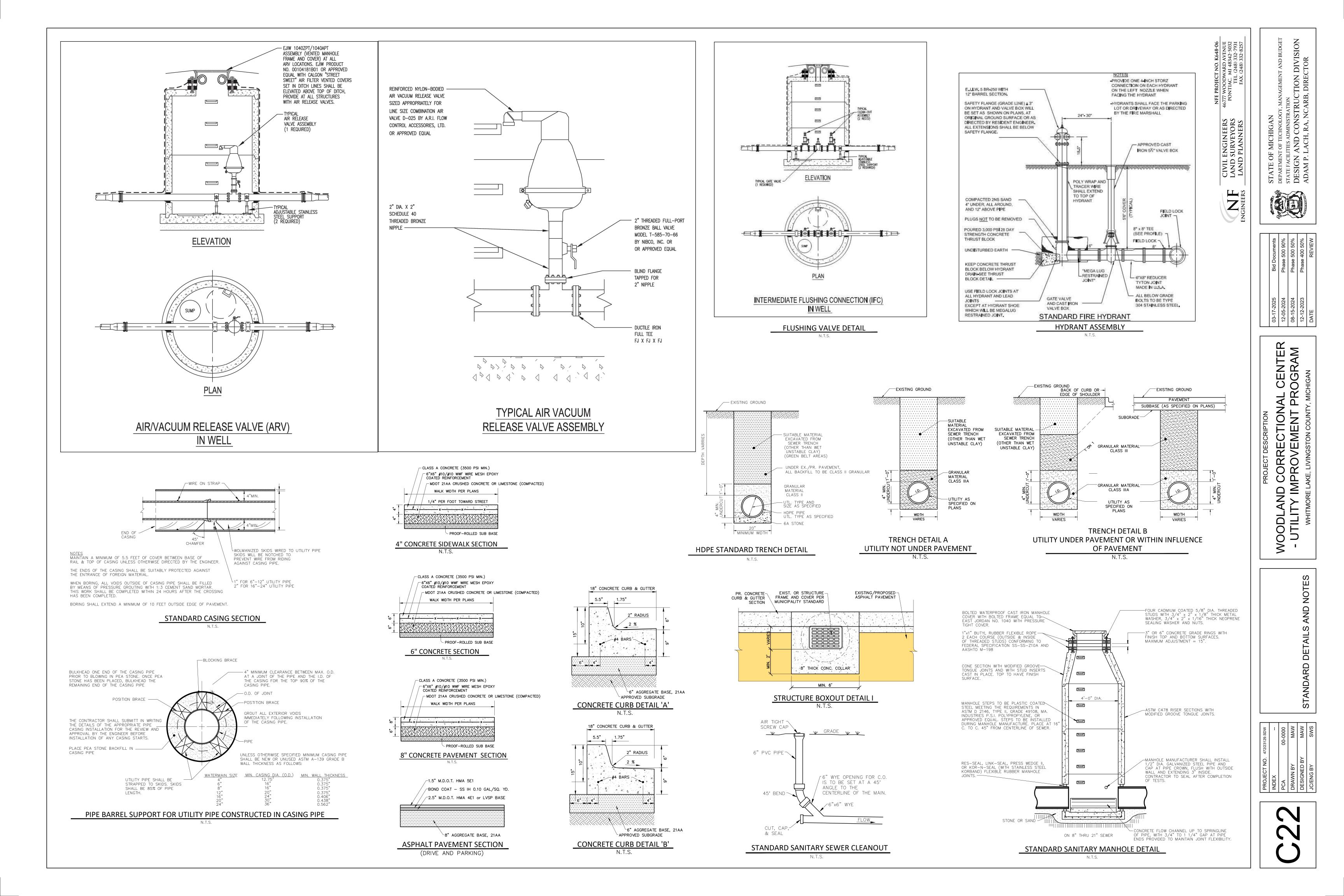
CONTRACTOR SHALL ANTICIPATE PUMP AND HAUL OPERATION DURING THE SHUT DOWN OF EXISTING STATION AND TO ALLOW THE EX. FORCE MAIN TO DRAIN DOWN. FOLLOWING DRAINING OF EXISTING MAIN, TEMPORARY BY-PASS CONNECTION TO BE MADE TO ALLOW FOR BY-PASS PUMPING. NO EXISTING VALVES EXIST ON THE FORCE MAIN TO SEGREGATE THE











GENERAL ELECTRICAL NOTES

- 1. ALL NON-FIRE RATED WALLS ARE TO BE PATCHED WITH LIKE MATERIAL TO MAINTAIN ORIGINAL RATING.
- 2. ALL WALL AND FLOOR PENETRATIONS THROUGH FIRE RATED WALLS ARE TO BE SEALED WITH FIRE CAULK TO MAINTAIN ORIGINAL RATING.

OUTLETS

⊙ F FLUSH FLOOR BOX⊙ S SURFACE FLOOR BOX

▼ TELEPHONE OUTLET

₩ WALL JUNCTION BOX

J PULL (JUNCTION) BOX

DESIGNATIONS

DEMOLITION NOTE

ADDENDUM NOTE

SOUND and SIGNAL

RACK MOUNTED UPS

WALL MOUNTED UPS

SECURITY SYSTEM CONTROL PANEL

PLAN NOTE

DATA RACK

FLOOR UPS

© CAMERA

CO

POLE

▼ TELEPHONE / DATA OUTLET

UNDERFLOOR JUNCTION BOX

CEILING MOUNTED WIFI

□ DATA OUTLET

■PP POWER POLE③ JUNCTION BOX

DUPLEX RECEPTACLE

EMERGENCY RECEPTACLE

SPECIAL EQUIPMENT RECEPTACLE

SINGLE RECEPTACLE (120 VOLT)

- 3. ALL CONDUITS SHALL BE FIELD ROUTED ALONG EXISTING PIPING AND STRUCTURAL STEEL.
- 4. CONTRACTORS SHALL VISIT THE PROJECT SITE DURING PRE-BID WALK THROUGH TO DETERMINE THE EXACT EXTENT OF THE WORK REQUIRED BEFORE BIDDING THE PROJECT.
- 5. REMOVE ALL EXISTING EXPOSED CONDUIT, WIRE, AND EQUIPMENT NOT TO BE RE-USED WHERE WORK IS BEING DONE EXCEPT ITEMS
- 6. WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF OLD WORK, SURFACES SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT.
- 7. EXISTING WORK WHICH IS PRESENTLY CONCEALED, WHICH WILL REMAIN CONCEALED, AND DOES NOT INTERFERE WITH ANY NEW WORK OF ANY TRADE NEED NOT BE REMOVED. HOWEVER, ALL CONDUIT SHALL BE CAPPED BELOW FINISH SURFACE AND THEN PATCHED AND PAINTED TO MATCH, OR AS NOTED.
- 8. EXISTING OPENINGS, WHICH ARE TO BE REUSED, SHALL BE MODIFIED OR ENLARGED TO SUIT THE NEW SYSTEMS AS REQUIRED. PROVIDE ALL REQUIRED CUTTING AND PATCHING.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING THE EXISTING WALLS TO MATCH THE ADJACENT SURFACES BEHIND ALL SURFACE MOUNTED EQUIPMENT.
- 10. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT AND LOADS PRIOR TO INSTALLING SERVICE TO EQUIPMENT.
- 11. DRAWINGS ARE BASED ON EXISTING RECORD DOCUMENTS AND CASUAL FIELD OBSERVATION PERFORMED ON AUGUST 16, 2024. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION.
- 12. MINIMUM RACEWAY SIZE; 3/4" TRADE SIZE. ALL FLEXIBLE CONDUIT RACEWAYS SHALL BE LIQUID TITE, MAXIMUM 36" LENGTH. REFER TO SPECIFICATION 260533 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS.
- 13. ALL CONDUIT ABOVE 10 FOOT SHALL MEET THE FOLLOWING REQUIREMENTS:
- 13.1. STRAP DISTANCE: 5 FEET13.2. FASTENERS: 2 HOLE

NOTED OTHERWISE.

- 13.3. CONDUIT: INTERIOR EMT, EXTERIOR EXPOSED/ CONCEALED-
- 13.4. FITTINGS: COMPRESSION.
- 13.5. SECURE CONDUIT WITHIN 12 INCHES OF BOXES AND ENCLOSURES.
- 14. ALL CONDUIT 10 FOOT AND BELOW SHALL MEET THE FOLLOWING
- REQUIREMENTS: 14.1. STRAP DISTANCE: 3 FEET.
- 14.2. FASTENERS: 2 HOLE WITH SECURITY SCREWS.14.3. CONDUIT: INTERIOR EMT, EXTERIOR EXPOSED/ CONCEALED -
- GRC.
- 14.4. FITTINGS: COMPRESSION.14.5. BELL BOXES: FS TYPE.
- 14.6. NO KNOCKOUTS.
- 14.7. SECURE CONDUIT WITHIN 12 INCHES OF BOXES AND ENCLOSURES
- 15. ALL EXPOSED WIRING SHALL BE IN CONDUIT. OPEN LOW VOLTAGE WIRING ABOVE CEILINGS IS ACCEPTABLE.
- 15.1. ALL EXPOSED WIRING ABOVE CEILINGS SHALL BE INSTALLED WITH J-HOOKS. DO NOT CONNECT TO EXISTING CEILING TIE WIRES.
- 16. CONDUITS AND WIRES SHALL BE INSTALLED STRAIGHT, LEVEL, AND SHALL BE PARALLEL OR PERPENDICULAR TO THE BUILDING LINES.
- 17. CONTRACTOR SHALL VERIFY ALL VOLTAGES BEFORE CONNECTING ANY EQUIPMENT.
- 18. ALL LOCATIONS WHERE THE WALLS CAN NOT BE FISHED SHALL BE SURFACE MOUNTED CONDUIT FOLLOWING NOTES 12 THROUGH 14 ABOVE.
- 19. ALL WALLS THAT ARE ACCESSIBLE SHALL BE FISHED AND DEVICE CUT INTO WALL.
- ALL EXTERIOR CONCEALED CONDUIT UNDERGROUND SHALL BE RNC, TYPE EPC-40-PVC. ALL EXTERIOR ABOVE GROUND CONDUIT SHALL BE GRC.
- 21. ALL ELECTRICAL OUTAGES SHALL NOT LAST OVER 2-HOURS. PORTABLE GENERATORS SHALL BE USED TO REPLACE ANY ELECTRICAL SERVICE EXCEEDING THAT DURATION.
- 22. WHEN RELOCATING ANY ELECTRICAL DEVICE, CONTRACTOR SHALL COMPLETE THE RELOCATION IN ONE DAY AND VERIFY THAT ALL DEVICES RELOCATED ARE WORKING PROPERLY PRIOR TO LEAVING THE SITE.
- 23. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, RACEWAYS, WIRE, AND HARDWARE, AS INDICATED ON DRAWINGS.
- 24. ALL WORK DONE WITHOUT APPROVED SHOP DRAWINGS IS AT CONTRACTORS RISK.
- 25. CONTRACTOR SHALL NOTIFY PSC OF ANY EXISTING INSTALLATIONS NOT MEETING THESE STANDARDS PRIOR TO STARTING WORK IN THE AREA.
- 26. THESE DRAWINGS HAVE BEEN SUBMITTED AND APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION. ANY COMMENTS THAT WERE PROVIDED BY THE LOCAL AUTHORITIES HAVING JURISDICTION HAVE BEEN ADDRESSED, AND THE DRAWINGS MODIFIED ACCORDINGLY. BECAUSE OF THIS, RESPONSIBILITY OF ANY ISSUES THAT ARISE UPON FINAL INSPECTION SHALL NOT FALL UPON MATRIX CONSULTING ENGINEERS.

ELECTRICAL SYMBOLS LEGEND

—UFD— UNDERFLOOR DUCT

2	FIXTURES LIGHT FIXTURE STRIP FIXTURE EMERGENCY LIGHT FIXTURE IN-GRADE LIGHT FIXTURE SPOTLIGHT (number of heads shown) EXIT SIGN (face & direction as shown) WALL MOUNT LIGHT FIXTURE CEILING LIGHT FIXTURE TRACK & FIXTURE STREET TYPE POLE FIXTURE POLE MOUNTED LIGHT FIXTURE EXTERIOR WALL MOUNT LIGHT FIXTURE WALLPACK LIGHT FIXTURE SPECIAL PURPOSE LIGHT FIXTURE HIGH BAY LIGHT FIXTURE EMERGENCY EGRESS LIGHT FIXTURE (number of heads shown) DOCK LIGHT FIXTURE CIRCUITRY and RACEWAYS CONDUIT INSTALLED (by E.C.) CONDUIT INSTALLED (by others)		SERVICE and EQUIPMENT TRANSIENT VOLTAGE SURGE SUPPRESSION VARIABLE FREQUENCY DRIVE TRANSFORMER DISCONNECT SWITCH MAGNETIC STARTER COMB. STARTER PANELBOARD, SURFACE MOUNTED PANELBOARD, FLUSH MOUNTED WEATHERHEAD UTILITY METER, AS REQUIRED DIGITAL EQUIPMENT METER, AS REQUIRED CURRENT TRANSFORMERS GENERATOR, KW SHOWN TELEPHONE TERMINAL BOARD GROUND CONNECTION PER N.E.C. WIREWAY TRANSFER SWITCH ENCLOSED CIRCUIT BREAKER CAPACITOR
	CONDUIT STUB UP	(T)	THERMOSTAT
	CONDUIT STUB DOWN	\oplus	HUMIDISTAT
1,3	HOME RUN (with circuit numbers)	\ominus PC	PHOTOCELL (voltage as required)
——	END OF CONDUIT RUN	TC	TIME CLOCK (24 hour U.O.N.)
—————————————————————————————————————	END OF CONDUIT RUN, CAP AND STAKE "CONDUIT RUN CONTINUES" INDICATION FLEXIBLE PIGTAILS/CONNECTIONS WIREMOLD AS SPECIFIED PLUGMOLD AS SPECIFIED BUS DUCT	3 3 1 1 1 1 1 1 1 1 1 1	PUSHBUTTON STATION (number of buttons indicated) CONTROL TRANSFORMER LIGHTING CONTACTOR IRRIGATION CONTROLLER (120 volt xxVA connection by x/C)

ABBREVIATIONS LEGEND

FLUOR

FSES

F/S

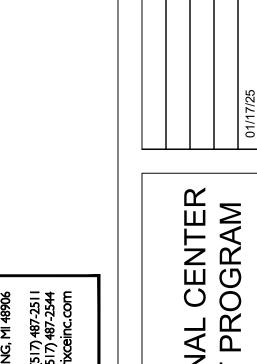
FLUORESCENT

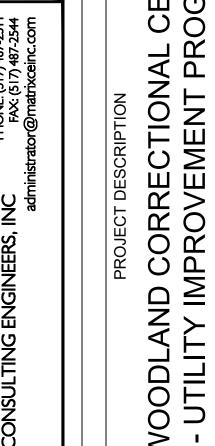
FIRE/SMOKE

FURNACE

FOOD SERVICE EQUIP. SUPPLIER

Α	AMPS	GC	GENERAL CONTRACTOR	Р	POLE
AC	ABOVE COUNTER	GFI	GROUND FAULT INTERUPTER	P-	PUMP
	AIR CONDITIONING UNIT	GND	GROUND	PB	PULL BOX
ACU-		GND	GROUND	PNL	PANEL
AFF	ABOVE FINISHED FLOOR				
AHJ	AUTHORITY HAVING JURISDICTION	H-	HUMIDIFIER	PRV-	POWER ROOF VENTILATOR
AHU-	AIR HANDLING UNIT	HID	HIGH INTENSITY DISCHARGE	PVC	POLY VINYL CLORIDE
AIC	AMPS INTERUPTING CAPACITY	HOA	HAND-OFF-AUTO SELECTOR SWITCH	PWR	POWER
AS	ABOVE SHELF	HP			
ATS	AUTOMATIC TRANSFER SWITCH		HORSEPOWER	RECEPT	RECEPTACLE
7110	ACTOMIXTIO TRUMOI EN OWITON	HR	HOUR	RGC	RIGID GALVANIZED STEEL CONDUIT
В	BOILER	HVAC	HEATING/VENTILATING/AIR CONDITIONING	RTU-	ROOF TOP UNIT
B-				1110-	11001 101 01111
ВС	BELOW COUNTER	IG	ISOLATED GROUND	05	CUDDLY FAN
BLDG	BUILDING	IMC	INTERMEDIATE METAL CONDUIT	SF-	SUPPLY FAN
		•		SPEC	SPECIFICATIONS
CHLR-	CHILLER	JB	JUNCTION BOX	SW	SWITCH
CND (C)	CONDUIT	JD	JONG HON BOX	SWBD	SWITCHBOARD
CKT	CIRCUIT		LIGHT CONTROL		
CKT BKR	CIRCUIT BREAKER	LC	LIGHT CONTROL	TCC	TEMPERATURE CONTROL CONTRACTOR
CT-	COOLING TOWER	LT	LIGHT	TR	TAMPER PROOF RECEPTACLE
CU-	CONDENSING UNIT	LTG	LIGHTING	TS	TAMPER PROOF SWITCH
		LT FLEX	LIQUID TIGHT FLEXIBLE METAL CONDUIT	TYP	TYPICAL
CUH-	CABINET UNIT HEATER			IIF	TIFICAL
		MAX	MAXIMUM	UF	LINDED EL COD
DFU-	DUCT FURNACE	MC	MECHANICAL CONTRACTOR		UNDER FLOOR
DISC	DISCONNECT	MCC	MOTOR CONTROL CENTER	UH-	UNIT HEATER
DWG	DRAWING	MIN	MINIMUM	UL	UNDERWRITERS' LABORATORIES, INC.
DWH-	DOMESTIC WATER HEATER			UNO	UNLESS NOTED OTHERWISE
5,,,,	BOMESTIO WITTER TIER	MLO	MAIN LUG ONLY		
EBB-	ELECTRIC BASEBOARD	MT	MOUNT	V	VOLTS
EC EC		MTD	MOUNTED	VL	VERIFY LOCATION WITH OWNER
	ELECTRICAL CONTRACTOR	MTG	MOUNTING	· -	
EF-	EXHAUST FAN	MUAU-	MAKE-UP AIR UNIT	W	WATTS
EM	EMERGENCY			W/	WITH
EMT	ELECTRICAL METALLIC TUBING	NC	NORMALLY CLOSED		
EWC	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT	W/O	WITHOUT
EX	EXISTING	NL	NIGHT LIGHT	WP	WEATHER PROOF
_					
FLA	FULL LOAD AMPS	NO	NORMALLY OPEN	XFMR	TRANSFORMER
FLEX	FLEXIBLE CONDUIT	NTS	NOT TO SCALE		
FLEX					
FLK	FLOOR				





ELECTRICAL - SYMBOLS -NOTES - ABBREVIATIONS







ELECTRICAL KEY NOTES

- 1 PROVIDE AND INSTALL NEW CIRCUITS AND TERMINATE NEW EQUIPMENT. REFER TO SHEET E-500 DETAIL 1. PROVIDE AND INSTALL ALL CONDUIT, WIRE, HARDWARE, AND BREAKERS AS REQUIRED.
- PROVIDE AND INSTALL NEW WEATHER RATED WIREWAY AND DISCONNECT SWITCH. PROVIDE AND INSTALL FUSES AS SHOWN. COORDINATE LOCATION IN FIELD.
- 3 PROVIDE AND INSTALL GROUND LUG AND GROUND ALL CONDUITS AND ENCLOSURES.
- PROVIDE AND INSTALL NEW WEATHER RATED PULL BOX ON THE EXTERIOR OF THE BUILDING TO DIRECTIONAL BORE TO. PROVIDE AND INSTALL CONDUIT TO EXTEND THE CIRCUIT TO THE ELECTRICAL ROOM. REFER TO SHEET E-2 DETAIL 1 FOR CONDUIT AND WIRE SIZES.
- 5 DIRECTIONAL BORE AND HYDRO-EXCAVATE CONDUITS AS SHOWN.
- 6 CONNECT NEW LIFT STATION PUMP(S) INTO EXISTING STARNET SYSTEM VIA NEW ULTRA LINK. CONTRACTOR SHALL CONTACT BRET EMERSON (BRET@COMMTECHDESIGN.COM) AND NATE DEWEERD (NATHAN.DEWEERD@AUS.COM) FOR INTEGRATION INTO THE EXISTING STARNET SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND CAT6 CABLE FOR THE INTEGRATION. AUS SHALL BE RESPONSIBLE FOR INSTALLING AND PROVIDING A COMPLETE WORKING CONTROLS SYSTEM.







PARTIAL ONE-LINE DIAGRAM - LIFT STATION DISCONNECTS

PANEL EDP-2 LOCATED IN THE ADMINISTRATIVE BUILDING

NEMA 3RX WIREWAY

PANEL "EPD-2"

60A/3P 3PH 4W

(4) # 6 AWG —— (1) #8 GND (1) 1-1/4" CND

(4) #6 AWG (1) #8 GND (1) 1-1/4" CND

(4) #6 AWG (1) #8 GND (1) 1-1/4" CND