

Columbus State Community College

Water Meter Upgrades

550 E. Spring St.
Columbus, OH 43215

Prepared By
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Columbus, OH 43215

WATER SERVICE PLAN SHEET LIST	
SHEET NUMBER	SHEET NAME
1	TITLE SHEET
2	GENERAL NOTES
3	OVERALL SITE PLAN
4	EXISTING AND PROPOSED
5	PARTIAL PLAN - NORTH WEST
6	PARTIAL PLAN - SOUTH EAST
7	METER AND ENDFLOW DETAIL



EASEMENT REFERENCE

REVISIONS

NO.	DATE	DESCRIPTION



PE SIGNATURE

DATE:



APPROVAL FOR
GENERAL ARRANGEMENTS
ONLY
DIVISION OF WATER
CITY OF COLUMBUS

CSCC Water Meter Upgrades
CSCC
550 E Spring St
Columbus, OH 43215

WSP2106

SHEET: 1/7

CITY OF COLUMBUS WATER SERVICE PLAN NOTES

- NO WATER SERVICE CONSTRUCTION, BEFORE OR AFTER THE WATER METER(S), SHALL BEGIN PRIOR TO FEE PAYMENT TO THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET (614-645-7330).
- THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC), 2018 EDITION AND ALL REVISIONS, INCLUDING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN THIS IMPROVEMENT, UNLESS OTHERWISE NOTED.
- ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT APPROVED MATERIALS LIST AND RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER, UNLESS OTHERWISE SHOWN ON THE PLANS OR APPROVED BY THE CITY OF COLUMBUS DIVISION OF WATER. ONLY PRODUCTS LISTED ON THE CURRENT APPROVED MATERIALS LIST WILL BE PERMITTED TO BE INSTALLED.
- IT SHALL BE UNLAWFUL FOR ANY PERSON TO PERFORM ANY WORK ON THE PUBLIC WATER DISTRIBUTION SYSTEM WITHOUT FIRST SECURING A LICENSE TO ENGAGE IN SUCH WORK, AS INDICATED IN COLUMBUS CITY CODE SECTIONS 1103.02 AND 1103.06. THIS WORK INCLUDES ANY ATTACHMENTS, ADDITIONS TO OR ALTERATIONS IN ANY CITY SERVICE PIPE OR APPURTENANCES (INCLUDING WATER SERVICE LINES AND WATER SERVICE TAPS). THIS REQUIREMENT MAY BE MET BY UTILIZATION OF A SUBCONTRACTOR WHO POSSESSES A CITY OF COLUMBUS WATER CONTRACTOR LICENSE OR A COMBINED WATERSEWER CONTRACTOR LICENSE TO PERFORM THIS WORK. UTILIZATION OF A SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE, IN PARTICULAR SECTIONS 4114.119 AND 4114.529.
- FOR ANY EMERGENCIES THAT OCCUR AFTER NORMAL WORKING HOURS INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.
- SITE UTILITY CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO THE START OF ANY WATER SERVICE LINE AND/OR WATER SERVICE TAP INSTALLATION OR ANY PLACEMENT OF WATER SERVICE MATERIALS INTO THE PUBLIC RIGHT OF WAY.
- SITE UTILITY CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF COLUMBUS-CITY FORESTER AT 614-645-8660 FOR ANY WORK DONE WITHIN 10 FEET OF A TREE IN THE RIGHT OF WAY.
- THERE SHALL BE A 10 FOOT MINIMUM HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN WATER SERVICE TAP(S), WATER SERVICE LINE(S), PRIVATE WATER SYSTEMS AND ANY SANITARY AND/OR STORM SEWER SYSTEMS.
- EXISTING RIGHT OF WAY LINE(S), PROPOSED RIGHT OF WAY LINE(S) AND/OR WATER MAIN EASEMENT LINES SHALL BE STAKED AT 10 FOOT INCREMENTS BY A STATE OF OHIO LICENSED SURVEYOR WHEN THE WATER SERVICE TAP(S) AND/OR WATER SERVICE(S) ARE INSTALLED AND INSPECTED BY THE COLUMBUS DIVISION OF WATER.
- ALL INSPECTIONS REQUIRE A 24 HOUR ADVANCE NOTICE.

- SITE UTILITY CONTRACTOR SHALL FLUSH ALL WATER SERVICES PRIOR TO ANY WATER METER INSTALLATION. THE CITY OF COLUMBUS IS NOT RESPONSIBLE FOR ANY CITY WATER METER DAMAGE CAUSED BY NON-FLUSHING.
- SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION OF ALL WATER SERVICE TAP ABANDONMENTS COMPLETED AT THE WATER MAIN PER CMSC ITEM 808.
- SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION AND HYDROSTATIC TEST OF 3" AND LARGER WATER SERVICE TAPS FROM THE WATER MAIN THRU THE CONTROL VALVE AND WATER SERVICES FROM THE CONTROL VALVE THRU THE WATER METER SETTING. HYDROSTATIC TEST SHALL BE PER CMSC ITEM 801.16 AND SHALL BE PERFORMED FROM THE WATER MAIN THRU THE WATER METER SETTING.
- ALL 3" THRU 12" WATER SERVICE PIPE SHALL BE ONLY DUCTILE IRON FROM THE CITY WATER MAIN THRU THE CITY WATER METER SETTING(S) INCLUDING THE METER BYPASS.
- ALL EXPOSED WATER MAIN AND ALL WATER SERVICE PIPE 3" AND LARGER SHALL BE POLYWRAPPED PER CMSC ITEM 801.03 TO A POINT 10 FOOT BEYOND THE RIGHT OF WAY VALVE(S).
- 3" AND LARGER METER SETTING(S) SHALL BE PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-6317 A-E.
- 2" AND LARGER METERS SHALL BE PURCHASED AT THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET AND PICKED UP AT UTILITY METERING SERVICES AT 3588 INDIANOLA AVENUE.
- BACKFLOW PREVENTION ASSEMBLY(S) SHALL BE INSTALLED, WHERE REQUIRED, PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-9002 A THRU G. CONTRACTOR(S) SHALL CALL 614-645-6674 WITH BACKFLOW PREVENTION QUESTIONS. CONTRACTOR(S) SHALL CALL 614-645-5781 TO SCHEDULE BACKFLOW PREVENTION INSPECTION REQUESTS.
- COMBINATION WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE ASSE #1013 APPROVAL STANDARD AND SHALL BE SIZED TO WATCH THE CITY WATER METER.

- IF DOMESTIC AND/OR FIRE WATER SERVICE METER(S) AND/OR THEIR BACKFLOW PREVENTER(S) ARE TO BE LOCATED INSIDE AN ABOVE GROUND HEATED ENCLOSURE THAT IS ASSE #1060 CLASS 1 APPROVED, THE ENCLOSURE SHALL HAVE A THERMOSTATICALLY OPERATED HEATER. THE HEATER SHALL BE SIZED PER THE ENCLOSURE MANUFACTURERS SPECS TO MAINTAIN A 40 DEGREE FAHRENHEIT INSIDE TEMPERATURE AT AN OUTSIDE TEMPERATURE OF MINUS 30 DEGREE FAHRENHEIT. HEAT TAPE RODS WILL NOT BE PERMITTED.
- BACKFLOW PREVENTION DEVICES MUST BE TESTED AT THE TIME OF INSTALLATION BY A TESTER APPROVED BY THE DIVISION OF WATER BACKFLOW COMPLIANCE OFFICE. A COMPLETE LIST OF APPROVED TESTERS CAN BE FOUND AT WWW.COLUMBUSGOV/BACKFLOW/CONSUMERS. RESULTS MUST BE SUBMITTED THROUGH THE ONLINE WEB SUBMITTAL SYSTEM AT WWW.COLUMBUS.TOKAYTEST.COM. UNDERGROUND PRIVATE WATER SYSTEM(S) AFTER THE CITY WATER METER(S).
- SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-5781 FOR INSPECTION OF UNDERGROUND PRIVATE DOMESTIC AND/OR FIRE WATER SYSTEM(S) AFTER THE CITY WATER METER(S). THIS WILL INCLUDE DOMESTIC WATER LOOPS AND FIRE WATER LOOPS INCLUDING PRIVATE FIRE HYDRANTS THRU THE SITE BEFORE COVERING.
- SITE UTILITY CONTRACTOR SHALL CALL CITY OF COLUMBUS - DIVISION OF FIRE AT 614-645-8673 FOR FLUSHING AND/OR PRESSURE TEST INSPECTION OF PRIVATE FIRE SYSTEM AFTER THE CITY FIRE WATER SERVICE METER AND BACKFLOW PREVENTER.
- SITE UTILITY CONTRACTOR SHALL CALL CITY OF COLUMBUS - DIVISION OF FIRE AT 614-645-8673 FOR FLUSHING AND/OR PRESSURE TEST INSPECTION OF PRIVATE COMBINED (I.E. DOMESTIC AND FIRE) SYSTEM AFTER THE CITY WATER SERVICE METER AND BACKFLOW PREVENTER.
- ALL PIPE MATERIAL FOR THE UNDERGROUND PRIVATE WATER SYSTEM AFTER THE CITY WATER METER SHALL MEET THE REQUIREMENTS OF THE LOCAL BUILDING AUTHORITY HAVING JURISDICTION.

EASEMENT REFERENCE

REVISIONS

NO.	DATE	DESCRIPTION

HEAPY
 P: 614-244-6461 www.heapy.com
 PROJECT NO.: 2024-0102

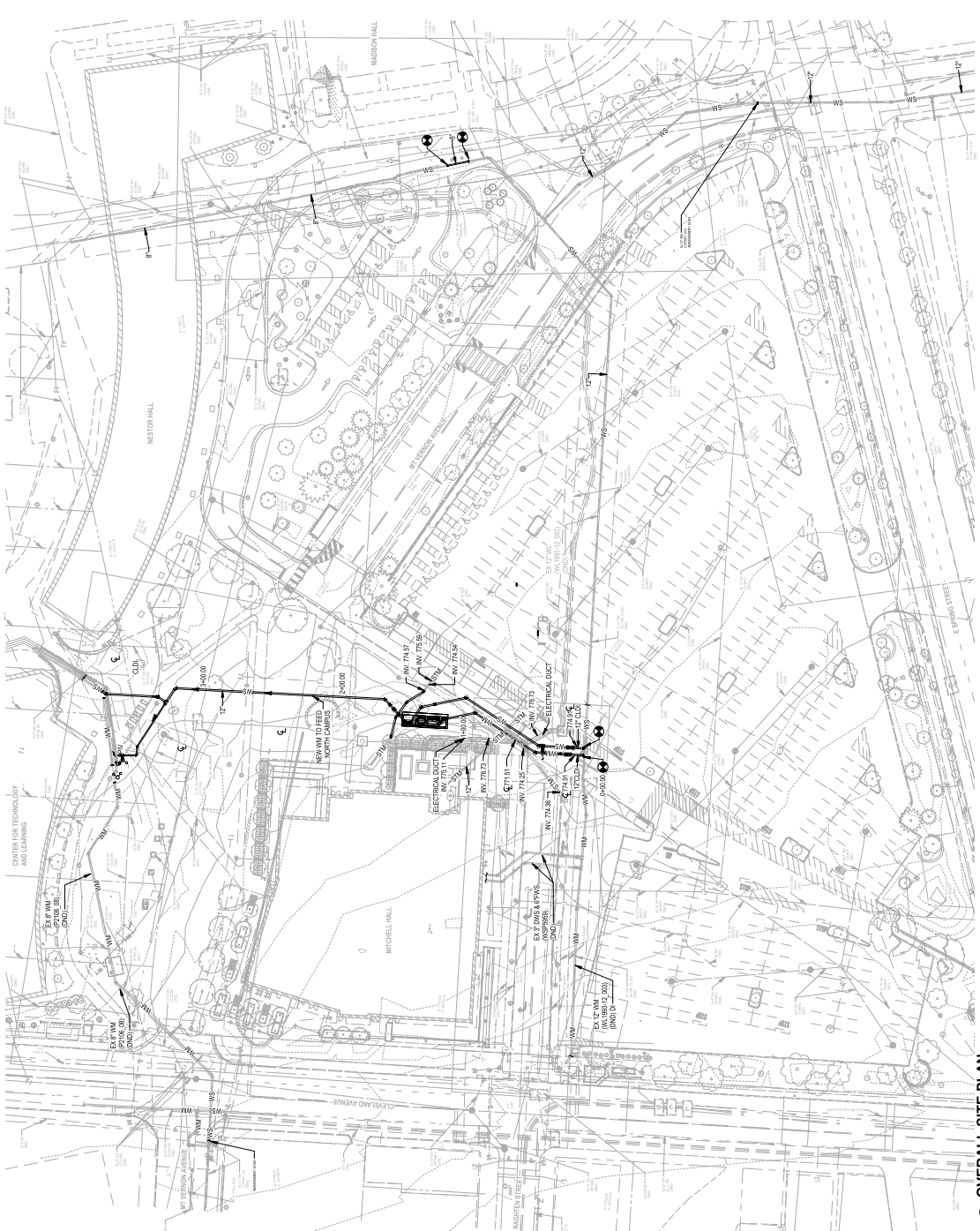
DATE: _____

PE SIGNATURE _____

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 550 E Spring St.
 Columbus, OH 43215

WSP2106

SHEET: 2/17



1 OVERALL SITE PLAN
SCALE: 1" = 40'-0"

EASEMENT REFERENCE

REVISIONS	
NO.	DESCRIPTION

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DATE: 11/04/22

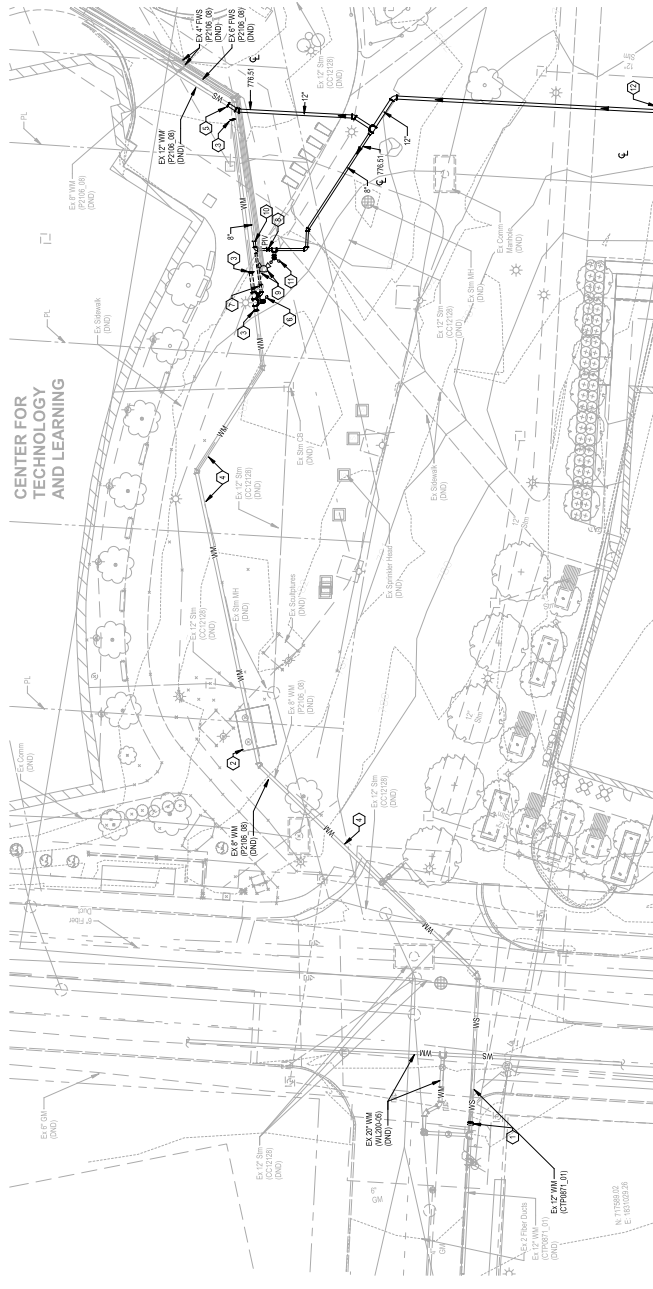


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SHEET: 3/7





1 PARTIAL PLAN - NORTH WEST
SCALE: 1"=20'-0"

CENTER FOR TECHNOLOGY AND LEARNING

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND SUBMISSION OF IMPAIRMENT PLAN FOR ALL WATER SYSTEMS. COORDINATE WITH FIRE DEPARTMENT FOR DETAILS AND PLAN APPROVAL. IMPAIRMENT PLAN SHALL BE IMPACTED, AS WELL AS BACKUP CONNECTIONS FOR HYDRANTS TEMPORARY OUT OF SERVICE.

NOTES

1. SEE W/D PLAN SHEET 4 FOR AMENDMENT SCOPE. DOW PROJECT NUMBER: 2204.
2. BACKFILL METER PIT PER SPECIFICATIONS AND ACCORDING TO LOCAL CODES. RELOCATE EXISTING METER TO 3588 INDIAN LAKE.
3. CAP PIPING IN THIS LOCATION AFTER REMOVAL OF EXISTING SPRING.
4. ABANDON SPRING.
5. CONNECT TO EXISTING 12" CAMPUS WATER SERVICE.
6. DISCONNECT AND REMOVE EXISTING HYDRANT FOR RELOCATION. COORDINATE WITH IMPAIRMENT PLAN.
7. DISCONNECT AND REMOVE EXISTING POST.
8. RELOCATE HYDRANT FOR RELOCATION.
9. THIS LOCATION. RECONNECT THIS LARV W/IRING AS REQUIRED.
10. EXISTING FDC AND THE PUMP TEST HEATER TO REMAIN. REMOVE AND REINSTALL AS NEEDED.
11. VERIFY EXISTING FIRE LINE. VERIFY EXACT SIZE AND JOINTS.
12. RELOCATE EXISTING HYDRANT TO THIS LOCATION.
13. PIPING CONTINUED ON DRAWING SHEET 4.



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SHEET: 5/7

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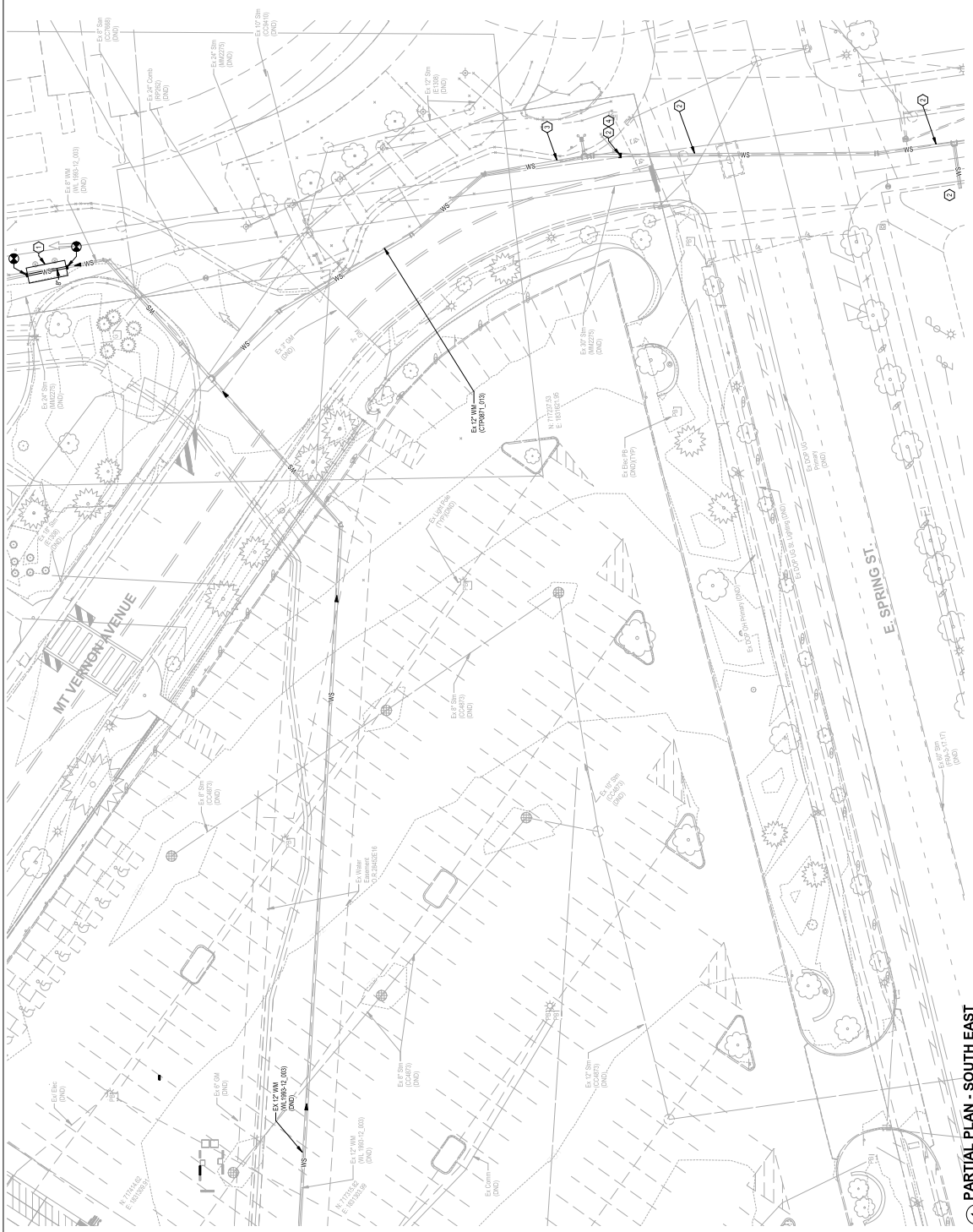


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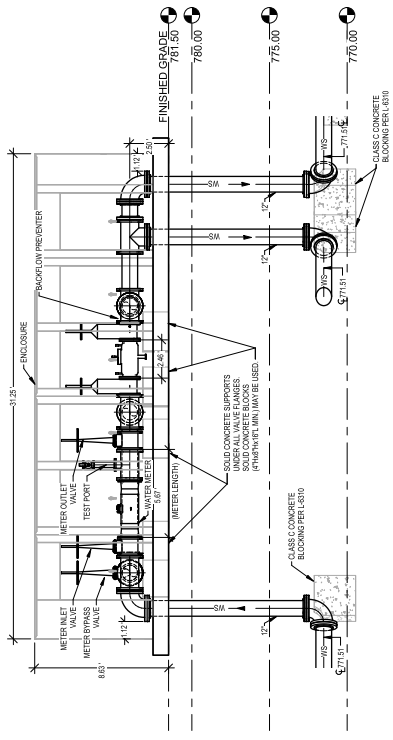
1 PARTIAL PLAN - SOUTH EAST
SCALE: 1"=20'

GENERAL NOTES

A. CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPMENT AND SUBMISSION OF SEPARATE PLAN FOR ALL WATER SYSTEMS. COORDINATE WITH FIRE DEPARTMENT FOR ALL FIRE AND IRRIGATION SYSTEMS. PROVIDE ALL UTILITIES IMPACTED AS WELL AS BACKUP CONNECTIONS FOR HYDRANTS TEMPORARILY OUT OF SERVICE.

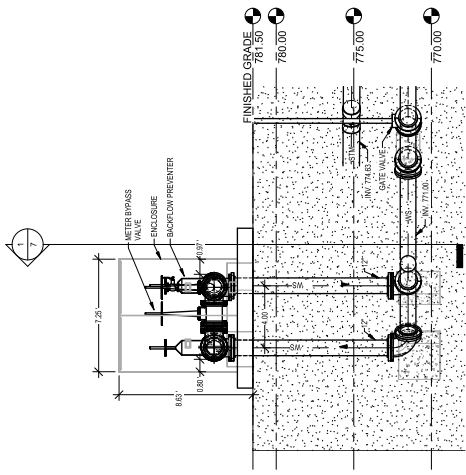
NOTES

- EXISTING METER PIT AND METERS TO BE REMOVED AND PRESENT WATER ACCUMULATION AND BACKFILL PER 3365 INDICATE. ALL METER PIT ARE TO BE RETURNED TO 3365 INDICATE.
- SEE WAD PLAN SHEET 4 FOR ABANDONMENT SCOPE. 200' PROJECT NUMBER: 23344.
- EXISTING WATER MAIN TO REMAIN IN SERVICE AS PRIVATE MAIN.
- ALL PUBLIC HYDRANTS BEING CONVERTED TO PRIVATE HYDRANTS SHALL BE PAINTED RED.



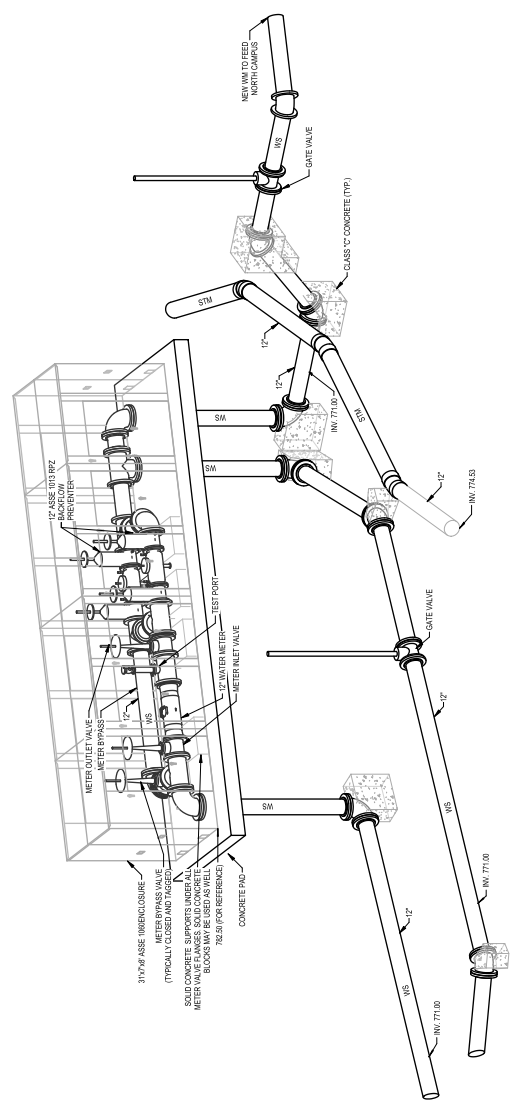
1 SECTIONAL VIEW 1
SCALE: 1/4" = 1'-0"

(ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE)
FOR NOTES ON MATERIALS, FINISHES, AND CONSTRUCTION, REFER TO THE SPECIFICATIONS AND ALL APPLICABLE OTHERS.



2 SECTIONAL VIEW 2
SCALE: 1/4" = 1'-0"

(ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE)



3 ISO VIEW
SCALE: NONE

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