

REFER TO SHEET C6.1 FOR STORM, SANITARY, AND UTILITY CROSSING TABLES

Ohio Utilities Protection Service



before you dig

PHIC SCALE IN FEET
15 30 60

UTILITY NOTES

GENERAL UTILITY NOTES

1. ALL WATER LINES SHALL BE AND TYPE K COPPER (<3") WITH MINIMUM COVER OF 54-INCHES AND MAXIMUM COVER OF 72"-INCHES PER STATE AND LOCAL SPECS.
2. ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 35 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE MINIMUM COVER OF 48-INCHES, PER STATE AND LOCAL SPECS.
3. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
4. ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
5. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
6. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/ DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE COUNTY ENGINEER'S OFFICE FOR STORM SEWER AND THE DEPARTMENT OF ENVIRONMENTAL SERVICES (DOES) FOR WATER AND SANITARY SEWER SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
7. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
8. CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
9. ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
10. SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY TIE-IN LOCATIONS AT BUILDING.

UTILITY LEGEND

W	EX. WATER LINE
×	EX. WATER VALVE
(S)	EX. SANITARY SEWER LINE
	EX. SANITARY SEWER MANHOLE
→	EX. STORM DRAIN LINE
■○	EX. STORM STRUCTURES
ONE	EX. OVERHEAD ELECTRIC LINE
E	PROPOSED UNDERGROUND ELECTRIC LINE
GAS	GAS LINE (BY GAS COMPANY)
T	PROPOSED PHONE LINE
■■■■■	PROPOSED STORM SEWER LINE
●	PROPOSED STORM/SANITARY CLEANOUT
W	PROPOSED WATER LINE
S	PROPOSED SANITARY LATERAL
○○	PROPOSED FIRE DEPARTMENT CONNECTION
■■	PROPOSED PIV
□→	PROPOSED LIGHT POLE
■■	PROPOSED GAS METER
■■■	PROPOSED FIRE HYDRANT

BUTLER COUNTY UTILITY NOTES

1. PROPER ADAPTERS SHALL BE USED TO CONNECT DIFFERENT SIZES OF PIPE. ALL OTHER JOINTS SHALL BE GLUED (USING THE MANUFACTURER'S RECOMMENDED GLUE OR MATERIAL FOR PVC OR ABS). CONCRETE JOINTS ARE PROHIBITED.
2. SEWER LATERALS SHOULD BE SEPARATED FROM WATER LINES AT LEAST 10 FEET (10') HORIZONTALLY, WHEN PARALLEL, AND 18 INCHES (18") VERTICALLY, WHEN CROSSING (MEASURED FROM THE OUTSIDE OF THE PIPE).
3. WHEN A CLEANOUT IS INSTALLED IT SHALL BE SECURELY CAPPED AND INSTALLED FOUR INCHES (4") BELOW GRADE AND WHEN INSTALLED IN A TRAFFIC AREA SHALL BE PROTECTED BY A FORD METER BOX "A3H" OR EQUAL WITH A LID MARKED "SEWER".
4. SEWER LATERALS MUST BE BEDDED IN THE TRENCH WITH A MINIMUM OF SIX INCHES (6") GRANULAR MATERIAL UNDER THE PIPE AND A MINIMUM OF SIX INCHES (6") OVER THE TOP OF THE PIPE BEFORE EXCAVATED MATERIAL MAY BE PLACED IN THE TRENCH. NO LARGE OR SHARP ROCKS WILL BE ALLOWED IN THE TRENCH. REFER TO THE STANDARD SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.
5. IF BENDS ARE USED, THEY SHALL BE PROPERLY INSTALLED AND SUPPORTED TO PREVENT JOINT SEPARATION.
6. ALL TAPS TO A SANITARY SEWER MAIN SHALL BE MADE PER THE STANDARD SPECIFICATIONS.
7. PRIVATE SEWER LATERALS SHALL NOT BE CONNECTED TO THE PUBLIC SEWER SYSTEM UNTIL THE BUILDING TO BE SERVED IS UNDER ROOF WITH THE BASEMENT FLOOR Poured AND FOUNDATION BACKFILLED. ROOF DRAINS, FOOTER OR FOUNDATION DRAINS AND OTHER CLEAN WATER OUTLETS SHALL NOT BE CONNECTED INTO THE SANITARY SEWER SYSTEM AT ANYTIME OR LOCATION. PROOF OF POSITIVE DISCHARGE OF SAID DRAINS TO A SURFACE WATER COURSE OR STORM SEWER SYSTEM WILL BE REQUIRED BEFORE PERMANENT WATER OR SEWER SERVICE IS APPROVED FOR ANY PROPERTY.
8. DISCHARGE OF UNACCEPTABLE WASTES TO THE SYSTEM SUCH AS MUD, CONSTRUCTION DEBRIS, ETC. IS NOT PERMITTED.
9. INTENTIONAL OR OTHERWISE AVOIDABLE VIOLATIONS OF THESE RULES AND REGULATIONS SHALL BE SUBJECT TO ALL PENALTIES PER THE SEWER USE ORDINANCE.

RECEIVED
MAY 12 2016
BY: _____

UTILITY PLAN

MAIN EVENT WEST CHESTER M/C CENTER BLVD., WEST CHESTER

SHEET NUM
C6.0

HOI
HORN
INSTITUTE
OF
INDIANAPOLIS

600 EAST 96TH STREET, SUITE 460
INDIANAPOLIS, INDIANA 46240
PHONE: 317-218-9560
WWW.KIMLEY-HORN.COM

STATE OF OHIO
WILLIAM A. BUTZ, JR.
E-79758
REGISTERED PROFESSIONAL ENGINEER
m86

UTILITY PLAN

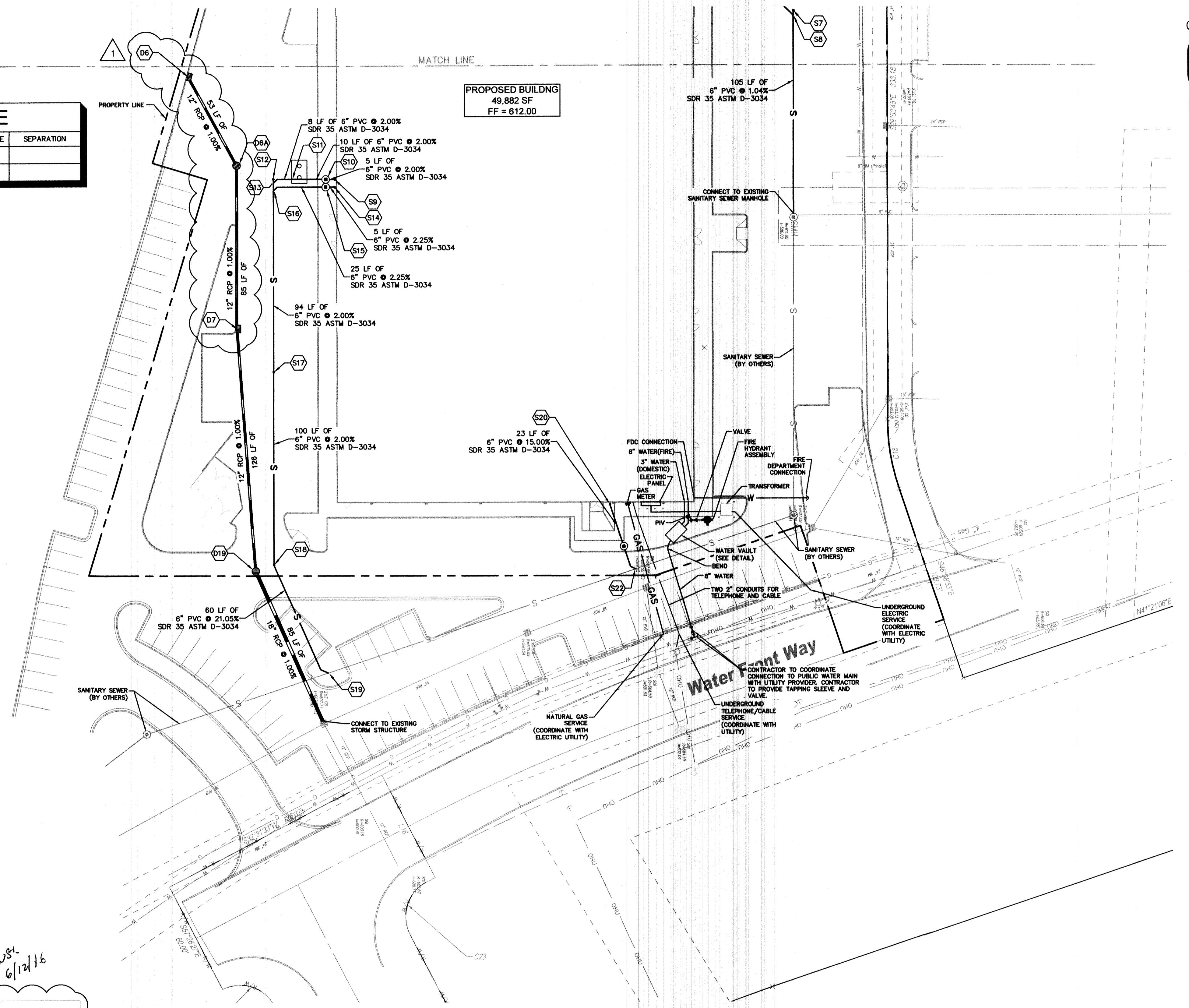
WEST CHESTER

11C CENTER BLVD., WEST CHESTER, OH

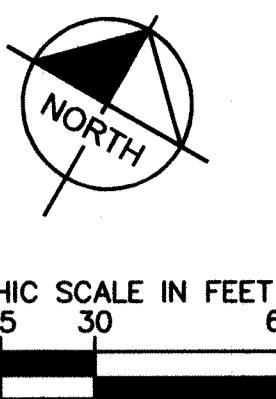
HEET NUM

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
01	2"X2" INLET NEEDHAM R-3472 INV IN: 605.57 INV OUT: 605.57
02	2"X2" INLET NEEDHAM R-3286-10V INV IN: 604.70 INV OUT: 604.70
03	2"X2" INLET NEEDHAM R-3287-8V INV IN: 603.78 INV OUT: 603.78
04	2"X2" INLET NEEDHAM R-3287-10V INV IN: 603.68 INV OUT: 603.68
05	2"X2" INLET NEEDHAM R-3472 INV IN: 601.91 INV OUT: 601.91
06	610-34 605.57
07	610-34 605.57
08	4" DIA MH NEEDHAM R-3472 INV IN: 605.03 INV OUT: 605.03
09	610-79 604.12 604.43
10	609-43 603.02 (602.01)

FLEXSTORM PURE INLET PROTECTION SHALL BE INSTALLED IN ALL STORM STRUCTURES THAT RECEIVE SURFACE WATER



Ohio Utilities Protection Service
Call 811
before you dig



UTILITY NOTES

GENERAL UTILITY NOTES

- ALL WATER LINES SHALL BE PVC MEETING ASTM D-3034 SDR 35 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED), PROVIDE MINIMUM COVER OF 48-INCHES, PER STATE AND LOCAL SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONNECTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL NOTIFICATION HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, OR UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND THE OWNER/DEVELOPER SHALL BE HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE COUNTY ENGINEER'S OFFICE FOR STORM SEWER AND THE DEPARTMENT OF ENVIRONMENTAL SERVICES (DOES) FOR WATER AND SANITARY SEWER SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
- CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY TIE-IN LOCATIONS AT BUILDING.

UTILITY LEGEND

W	EX. WATER LINE
EX.	EX. WATER VALVE
EX.	EX. SANITARY SEWER LINE
EX.	EX. SANITARY SEWER MANHOLE
EX.	EX. STORM DRAIN LINE
EX.	EX. STORM STRUCTURES
OHE	EX. OVERHEAD ELECTRIC LINE
E	PROPOSED UNDERGROUND ELECTRIC LINE
GAS	GAS LINE (BY GAS COMPANY)
T	PROPOSED PHONE LINE
	PROPOSED STORM SEWER LINE
•	PROPOSED STORM/SANITARY CLEANOUT
W	PROPOSED WATER LINE
S	PROPOSED SANITARY LATERAL
Y	PROPOSED FIRE DEPARTMENT CONNECTION
□	PROPOSED PIV
□	PROPOSED LIGHT POLE
□	PROPOSED GAS METER
□	PROPOSED FIRE HYDRANT

BUTLER COUNTY UTILITY NOTES

- PROPER ADAPTERS SHALL BE USED TO CONNECT DIFFERENT SIZES OF PIPE. ALL OTHER JOINTS SHALL BE GLUED (USING THE MANUFACTURER'S RECOMMENDED GLUE OR MATERIAL) OR FUSED. GLUE OR FUSED JOINTS SHALL BE PROTECTED FROM EXPOSURE TO THE ELEMENTS.
- SEWER LATERALS SHOULD BE SEPARATED FROM WATER LINES AT LEAST 10 FEET (10') HORIZONTALLY, WHEN PARALLEL, AND 18 INCHES (18') VERTICALLY, WHEN CROSSING (MEASURED FROM THE OUTSIDE OF THE PIPE).
- WHEN A CLEANOUT IS INSTALLED IT SHALL BE SECURELY CAPPED AND INSTALLED FOUR INCHES (4") BELOW GRADE AND WHEN INSTALLED, TRAFFIC SHALL BE PROTECTED FROM THE PIPE BY A "4" OR EQUAL "W" LID MARKED "4" OR "W".
- SEWER LATERALS MUST BE BEDDED IN THE TRENCH WITH A MINIMUM OF SIX INCHES (6") GRANULAR MATERIAL UNDER THE PIPE AND A MINIMUM OF SIX INCHES (6") OVER THE TOP OF THE PIPE BEFORE EXCAVATION. MATTER MAY BE PLACED IN THE TRENCH. NO ROCK, SHOT, CEMENT, ETC. SHALL BE ALLOWED IN THE TRENCH. REFER TO THE STANDARD SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.
- BENDS ARE USED, THEY SHALL BE PROPERLY INSTALLED AND SUPPORTED TO PREVENT JOINT SEPARATION.
- ALL EXISTING SANITARY SEWER MAIN SHALL BE MADE PER THE STANDARD SPECIFICATIONS.
- PRIVATE SEWER LATERALS SHALL NOT BE CONNECTED TO THE PUBLIC SEWER SYSTEM UNLESS THE BUILDING IS SERVED BY A SEWER MAIN. PRIVATE SEWER LATERALS SHALL NOT BE CONNECTED TO FOUNDATION DRAINS, FOOTER OR FOUNDATION DRAINS AND OTHER CLEAN WATER OUTLETS SHALL NOT BE CONNECTED INTO THE SANITARY SEWER SYSTEM AT ANYTIME OR LOCATION. PROOF OF POSITIVE DISCHARGE OF SAID DRAINS TO A SURFACE WATER COURSE OR STREAM IS REQUIRED. NO DRAINS TO A SURFACE WATER COURSE OR STREAM ARE ALLOWED.
- DISCHARGE OF UNACCEPTABLE WASTES TO THE SYSTEM SUCH AS MUD, CONSTRUCTION DEBRIS, ETC. IS NOT PERMITTED.
- INTENTIONAL OR OTHERWISE UNAVOIDABLE VIOLATIONS OF THESE RULES AND REGULATIONS SHALL BE SUBJECT TO ALL PENALTIES PER THE SEWER USE ORDINANCE.

RECEIVED
MAY 12 2016
BY:

MAIN EVENT	WEST CHESTER
CIVIC CENTER BLVD., WEST CHESTER, OH	MAIN EVENT ENTERTAINMENT
6652 PINCREST DR., SUITE 100, PLANO, TX 75024	CIVIC CENTER
SHEET NUMBER C6.1	

W	WEST CHESTER SUBMITTAL #1	05/20/15
W	ADDENDUM #1	07/22/15
Y	DATE	BY
REVISIONS		© 2015 No.

Kimley-Horn
600 EAST 96TH STREET, SUITE 460
INDIANAPOLIS, INDIANA 46240
PHONE: 317-936-0000
WWW.KIMLEY-HORN.COM

STATE OF OHIO
WILLIAM A.
BUTZ, JR.
E-79758
PROFESSIONAL
ENGINEER
REGISTERED
BY: *[Signature]*