

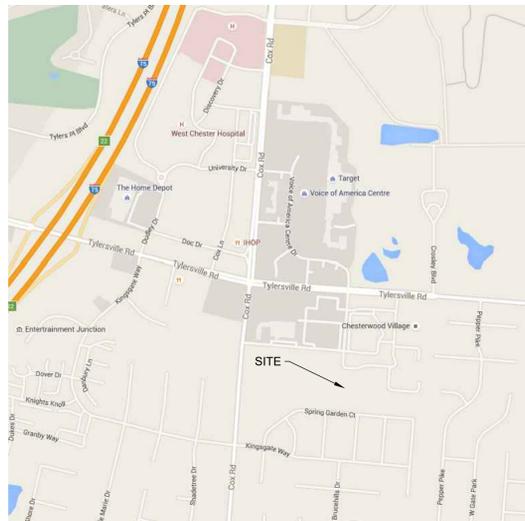
CAREPOINTE NURSING

PROJECT DESCRIPTION
CONSTRUCTION OF A SINGLE STORY SENIOR LIVING CENTER WITH ASSOCIATED UTILITIES AND PARKING. DETENTION IS PROVIDED ON THE LOT TO THE WEST.



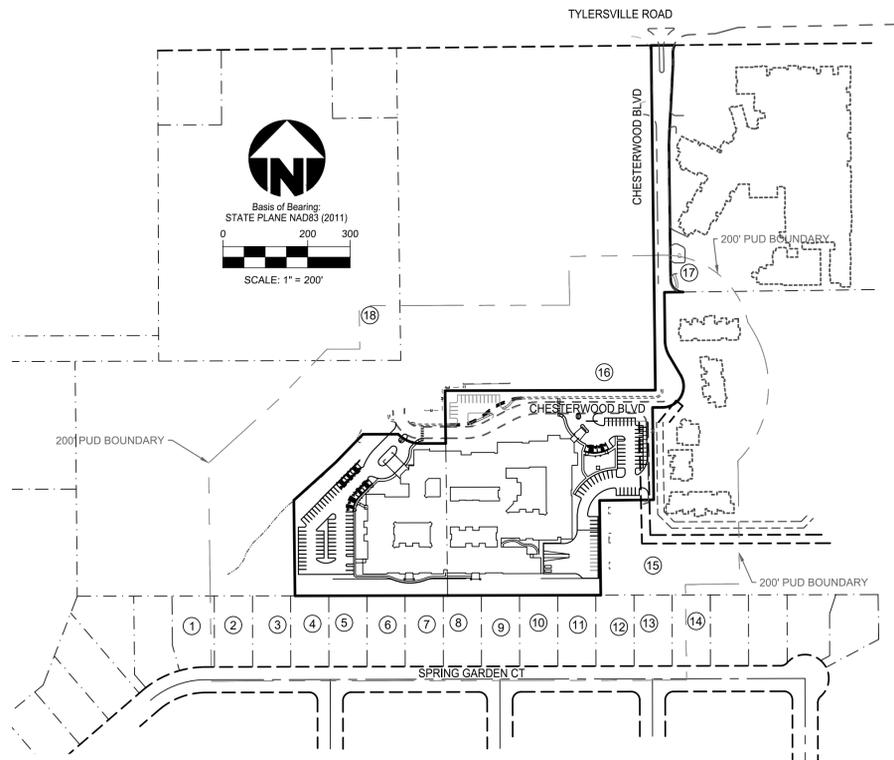
Know what's below.
Call before you dig.

LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION



VICINITY MAP

	SHEET NUM	FINAL DEV. PLAN
CIVIL TITLE SHEET	C1.0	02-16-16
GENERAL NOTES	C2.0	02-16-16
LAYOUT PLAN	C3.0	02-16-16
UTILITY PLAN	C4.0	02-16-16
UTILITY DETAILS	C4.1	02-16-16
GRADING PLAN	C5.0	02-16-16
EROSION DETAILS	C5.1	02-16-16

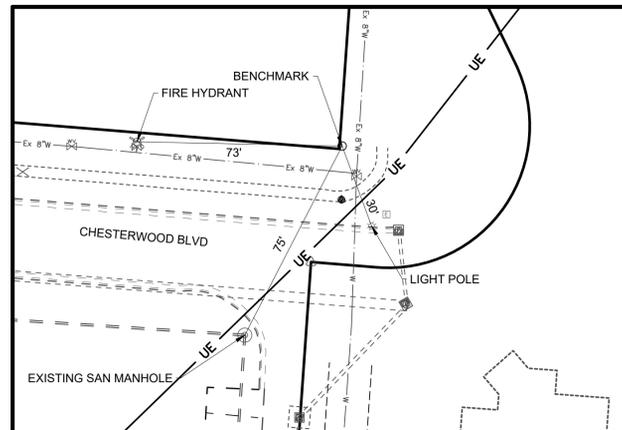


- ① YAKUP SAR
PARCEL#M5620211000063
- ② QUYNH NGUYEN & THUY DINH
PARCEL#M5620211000064
- ③ KUO CHUNG MARK LEE & YI CHI H LEE
PARCEL#M5620211000065
- ④ ANN C MCMACKIN Tr
PARCEL#M5620211000066
- ⑤ PAUL F AND CAROL A ALBIN
PARCEL#M5620211000067
- ⑥ ROCHE D & SUSAN S MCGREEVY
PARCEL#M5620211000068
- ⑦ JAWAAD RAHMAN & SUFIA SULTAN
PARCEL#M5620211000069
- ⑧ AIMAN ABDEL-JABER
PARCEL#M5620211000070
- ⑨ DANIEL J POHL
PARCEL#M5620211000071
- ⑩ JOHN H AND NAKKIA A THOMAS
PARCEL#M5620211000072
- ⑪ ABDUS SHAMIM & TANIA TABASSUM
PARCEL#M5620212000034
- ⑫ TIM AND JUDITH A SCHUERMANN
PARCEL#M5620212000035
- ⑬ JOHN AND ASHLEY MUENNICH
PARCEL#M5620212000036
- ⑭ TONY & PRISCILLA LAFONTAINE
PARCEL#M5620212000037
- ⑮ CHESTERWOOD COTTAGES REAL ESTATE II LTD
PARCEL#M5610014000030
- ⑯ WEST CHESTER CHURCH OF THE NAZARENE
PARCEL#M5610014000001
- ⑰ CHESTERWOOD COTTAGES REAL ESTATE II LTD
PARCEL#M5610014000040
- ⑱ KOHL'S ILLINOIS INC
PARCEL#M5610014000034

SYMBOL LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BENCHMARK
		FENCE
		FLAG POLE
		HANDICAP SYMBOL
		MAILBOX
		SIGN
		SURVEY MONUMENTATION
		TRAFFIC BOX
		TRAFFIC SIGNAL POLE
		LANDSCAPING
		VEGETATION LINE
		CABLE MARKERS/STRUCTURES
		UNDERGROUND CABLE
		ANCHOR
		ELECTRICAL
		ELECTRICAL MANHOLE
		LIGHT POLE
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		UTILITY POLE
		GAS LINE
		GAS METER
		GAS VALVE MARKER
		CLEANOUT
		SANITARY LATERAL
		SANITARY MANHOLE
		SANITARY SEWER
		STORM STRUCTURES
		STORM SEWER
		TELEPHONE BOX
		TELEPHONE MANHOLE
		UNDERGROUND TELEPHONE
		FIRE HYDRANT
		WATER MAIN
		WATER MANHOLE
		WATER METER
		WATER SERVICE
		WATER VALVE

BENCHMARK
IRON PIN WEST NORTH OF INTERSECTION
N= 5370.6531
E= 6400.1885
ELEV= 884.60



ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
AC	ACRES
B/C	BACK OF CURB
CB	CATCH BASIN
E	EAST/EASTING
ELEV	ELEVATION
EIP	EDGE OF PAVEMENT
EX	EXISTING
FF	FINISHED FLOOR
FH	FIRE HYDRANT
ICW	INTEGRAL CURB AND WALK
IP	IRON PIN
INV	INVERT
MH	MANHOLE
MED	MEDIUM
MON	MONUMENT
N	NORTH/NORTHING
PG	PERFORMANCE GRADE
R/W	RIGHT OF WAY
SAN	SANITARY
SF	SQUARE FEET
SL	SANITARY LATERAL
STM	STORM
TBR	TO BE REMOVED
TGR	TOP OF GRATE
T/RIM	TOP OF RIM
TYP	TYPICAL
VOL	VOLUME
W	WATER
WM	WATER MAIN
WS	WATER SERVICE

O.D.O.T. STANDARD CONSTRUCTION DRAWINGS

DRAWING NO.	DATE	DRAWING NO.	DATE
BP-5.1	07-19-13	DM-1.1	01-18-13
BP-7.1	07-18-14	DM-1.2	01-18-13
CB-1.1	01-18-13	DM-4.4	07-20-12
CB-1.2	01-18-13		

CAREPOINTE NURSING
CHESTERWOOD BLVD
WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO
SECTION 11, TOWN 3, RANGE 2



Drawing: 15-0081 CD

Drawn by: MJL

Checked by:

Issue Date: 02-16-16

Sheet:

C1.0

Plot time: Apr 01, 2016 - 4:51pm
Drawing name: C:\Temp\Acad\SaveAs\Pub\7244115-0081_CD.dwg - Layout Tab: C1-0 Title Sheet

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GENERAL

- A. ITEM NUMBERS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CURRENT EDITION) AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE GOVERNING AGENCIES. WHEN IN CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
B. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS.
C. FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITY PROTECTION SERVICE (OUPS) AND ALL OTHER AGENCIES WHICH MAY HAVE UNDERGROUND UTILITIES INVOLVED IN THIS PROJECT AND ARE NOT MEMBERS OF OHIO UNDERGROUND PROTECTION, INC.
D. CONTRACTOR SHALL REMOVE ALL TREES AND CLEAN ALL AREAS AS DETERMINED BY THE ENGINEER OR ARCHITECT TO PERFORM ALL GRADING AND UTILITY WORK IN ACCORDANCE WITH THE DRAWINGS, GENERAL NOTES, AND PROJECT SPECIFICATIONS.
E. ALL PAVEMENT DIMENSIONS AND NODES ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. ALL STRIPING DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
F. ALL STANDARD PARKING SPACES ARE A MINIMUM OF 9' BY 18'.
G. PARKING LOT STRIPING SHALL BE FOUR (4) INCHES WIDE HIGHWAY-TYPE STRIPING APPLIED IN ACCORDANCE WITH THE PLAN; COLOR SHALL BE WHITE OR YELLOW TO MATCH ADJOINING CONSTRUCTION.
H. ALL SPOT ELEVATIONS XX.XX ARE TO THE TOP OF FINISHED PAVEMENT/GRADE UNLESS OTHERWISE NOTED. TOP OF CURB SHALL BE PER THE TYPICAL SECTION/DETAIL UNLESS NOTED ON THE LAYOUT PLAN.
I. PRIOR TO CONSTRUCTION OF THE EMBANKMENTS, THE SITE SHOULD BE STRIPPED OF ALL VEGETATION, TOPSOIL, AND OTHER ORGANIC MATERIAL IN EMBANKMENT AREAS.
J. EMBANKMENT MATERIAL SHOULD CONSIST OF PLASTIC CLAY MATERIALS, FREE OF ORGANIC MATTER, WHICH CLASSIFY AS CL ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM AND SHALL CONTAIN NO STONES WHOSE LARGEST DIMENSION EXCEEDS FOUR (4) INCHES.
K. BUILDING PAD PREPARATION SHALL BE MADE IN ACCORDANCE WITH GEOTECHNICAL ENGINEERS AND ARCHITECT'S RECOMMENDATIONS. BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.
L. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED ON ALL GRASS AREAS UNLESS SPECIFIED OTHERWISE IN THE LANDSCAPE DRAWINGS.
M. ALL SITE EXCAVATION AND EMBANKMENT TO BE COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND/OR THE PROJECT SPECIFICATIONS. WHEN IN CONFLICT THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.
N. ANY AREAS THAT APPEAR AS FUTURE BUILDING OR PARKING LOTS SHALL BE GRADED TO DRAIN TO THE NEAREST SWALE, CATCH BASIN, OR OTHER DRAINAGE FEATURE OR PROVISIONS SHALL BE INSTALLED TO DRAIN THE AREAS TO THE NEAREST DRAINAGE FEATURE.
O. CONTRACTOR SHALL PERFORM ALL INSPECTIONS AND DOCUMENTATION AS REQUIRED BY THE OHIO E.P.A. FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNER'S REPRESENTATIVE WITH WRITTEN REPORTS UNLESS OTHERWISE DIRECTED BY THE OWNER OR OWNERS' REPRESENTATIVE.
P. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE APPLICABLE FORMS, MAPS, LOGS, LOCATIONS OF INSTALLED EROSION CONTROLS, ETC. CONTAINED IN THE SWP3 THROUGHOUT THE PROJECT. UPDATES TO THE SWP3 SHALL BE PROVIDED TO THE OWNER AND THE CIVIL ENGINEER ON A MONTHLY BASIS.
Q. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH BUTLER COUNTY REQUIREMENTS AND PAY ALL INSPECTION FEES.
R. CONTRACTOR SHALL VERIFY ALL UTILITY AND CONDUIT SIZES AND LOCATIONS WITH THE ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
S. ALL UTILITIES TYING INTO BUILDING ARE TO BE STUBBED 5 FT. FROM THE BUILDING FOR CONNECTION BY INTERIOR CONTRACTOR.
T. CONTRACTOR SHALL VERIFY THAT COORDINATES, IF USED, MATCH PLAN DIMENSIONS. WHEN IN CONFLICT, THE PLAN DIMENSIONS SHALL GOVERN OVER COORDINATES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
U. EXISTING EDGE OF PAVEMENT ABUTTING PROPOSED PAVEMENT SHALL BE SAWCUT AND SEALED WITH ITEM 407 TACK COAT PRIOR TO PLACEMENT OF ITEM 301 OR 448.
V. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION DETAILS SHALL CONFORM WITH THE "STANDARD CONSTRUCTION DRAWINGS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION".
W. ALL STORM SEWER, SANITARY SEWER, WATER MAIN, WATER SERVICES AND UTILITY CROSSOVERS LOCATED IN THE PUBLIC RIGHT-OF-WAY SHALL BE TOTALLY BACKFILLED WITH CONTROL DENSITY FILL UNDER THE PAVEMENT TO A DISTANCE OF 5 FT BEYOND THE BACK OF CURB FOR PAVEMENT CUT BY TRENCHING OPERATIONS.
X. ALL TRENCHES WITHIN THE RIGHT-OF-WAY AND 10' UTILITY EASEMENT SHALL BE COMPACTED AND BACKFILLED IN ACCORDANCE WITH ITEM 203 AND 603 IN THE STATE SPECIFICATIONS FOR TRENCHING OPERATIONS COMPLETED PRIOR TO PLACING PAVEMENT.
Y. ITEMS THAT PERTAIN TO UNDERGROUND UTILITIES SUCH AS WATERMAIN PIPE, SANITARY SEWER PIPE, WATER VALVES AND MANHOLE FRAMES AND COVERS, ETC., WILL REMAIN UNDER SPECIFICATIONS OF THE UTILITY SERVING THE AREA. STORM SEWERS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUTLER COUNTY ENGINEER.
Z. CONTRACTOR AND OWNER SHALL VERIFY AND ACCEPT ALL QUANTITIES PRIOR TO BEGINNING CONSTRUCTION.
AA. CONTRACTOR SHALL VERIFY ALL UTILITY AND CONDUIT SIZES AND LOCATIONS WITH THE ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

STORM SEWER BUTLER COUNTY ENGINEERS OFFICE 1921 FAIRGROVE AVENUE HAMILTON, OHIO 45011-1965 513-867-5744

TELEPHONE CINCINNATI BELL 201 E. FOURTH STREET MAIL LOCATION 103-1175 CINCINNATI, OHIO 45202 513-565-7043

SANITARY SEWER BUTLER COUNTY WATER AND SEWER 130 HIGH STREET HAMILTON, OHIO 45011-2759 513-887-3066

ELECTRIC DUKE ENERGY 139 E. FOURTH ST. ROOM 467-A P.O. BOX 960 CINCINNATI, OHIO 45202

WATER BUTLER COUNTY WATER AND SEWER 130 HIGH STREET HAMILTON, OHIO 45011-2759 513-887-3066

GAS DUKE ENERGY 139 E. FOURTH ST. ROOM 460-A P.O. BOX 960 CINCINNATI, OHIO 45202

STORM SEWERS

- A. ALL WORK AND MATERIALS ARE TO CONFORM TO THE LATEST EDITION OF ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS AND BUTLER COUNTY SPECIFICATIONS. WHEN IN CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.
B. STORM SEWER PIPES DESIGNATED AS "STM;" SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING:
1. NON-REINFORCED CONCRETE PIPE PER ODOT SPECIFICATION 706.01
2. REINFORCED CONCRETE CIRCULAR PIPE PER ODOT SPECIFICATION 706.02
3. REINFORCED CONCRETE ELLIPTICAL CULVERT, STORM DRAIN, AND SEWER PIPE PER ODOT SPECIFICATION 706.04
4. ALUMINIZED CORRUGATED STEEL SPIRAL RIB CONDUITS PER ODOT SPECIFICATION 707.12
5. CORRUGATED POLYETHYLENE SMOOTH LINED PIPE PER ODOT SPECIFICATION 707.33
6. POLYVINYL CHLORIDE PROFILE WALL PIPE PER ODOT SPECIFICATION 707.43
C. ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED.
D. ALL CATCH BASINS SHALL BE EQUIPPED WITH HEAVY DUTY, BICYCLE SAFE GRATES CAPABLE OF CARRYING AN HS-25 LOADING.
E. ANY EXISTING STORM SEWER CUT IN EXCAVATION WHICH DRAINS AN OFFSITE AREA MUST BE TIED INTO THE STORM SEWER SYSTEM.
F. ALL CATCH BASINS IN THE PAVEMENT OR CURB ARE TO HAVE A MINIMUM OF TWO FOUR (4) INCH PERFORATED UNDERDRAINS EXTENDING TEN (10) LINEAR FEET FROM THE CATCH BASIN. UNDERDRAINS SHALL BE PLACED ONE ON EACH SIDE OF THE STORM SEWER AND AS NEAR TO PERPENDICULAR TO THE STORM SEWER AS IS PRACTICAL WITHOUT INTERFERING WITH STORM PIPES SHOWN ON THE PLANS.
G. AS THE INSTALLATION OF THE STORM SEWER PROGRESSES, EROSION CONTROL MEASURES SHALL BE PLACED AT INLET AND OUTLET OF SEWERS TO CONTROL THE SILT.
H. SUMP LINE CONDUITS ARE TO BE SDR 35, ARMO 2000, OR EQUIVALENT.
I. ALL JOINTS SHALL BE SOIL SEAL JOINTS UNLESS SPECIFICALLY NOTED ON THE PLANS.
J. STORM WATER AND EXTRANEOUS FLOWS ARE PROHIBITED FROM ENTERING THE EXISTING SYSTEM DURING CONSTRUCTION. NO OPEN CUT TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. STORM DRAINS, DIVERSION DITCHES, PUMPS ETC., SHALL BE USED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE SYSTEM AT ALL TIMES.
K. DEFLECTION TESTING FOR STORM SEWERS AND CULVERTS

15% OF ALL STORM SEWERS SHALL BE TESTED FOR DEFLECTION WITHIN THIRTY DAYS AFTER THEY ARE COMPLETE. BUTLER COUNTY ENGINEER OR HIS DESIGNATED REPRESENTATIVE WILL DETERMINE WHAT 15% SHALL BE TESTED. IF ANY STORM SEWER IN THE ORIGINAL 15% IS FOUND OUT OF COMPLIANCE, DEFLECTION TESTS WILL BE REQUIRED ON 100% OF THE REMAINING STORM SEWER. A VERTICAL RING DEFLECTION GREATER THAN 5% WILL NOT BE ALLOWED. THIS DEFLECTION IS DEFINED AS 5% REDUCTION IN THE VERTICAL BASE OR AVERAGE INSIDE DIAMETER. THE METHOD OF TESTING SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. IF RIGID BALLS OR MANDRELS ARE USED TO TEST PIPE DEFLECTION, NO MECHANICAL PULLING DEVICES SHALL BE USED. THE DEFLECTION TEST MAY BE CONDUCTED WITH A NINE PRONG MANDREL, A BALL OR A CYLINDER OR ANOTHER MANNER ACCEPTABLE TO THE BUTLER COUNTY ENGINEER OR HIS DESIGNATED REPRESENTATIVE. THE TESTING WILL BE ACCOMPLISHED FROM MANHOLE TO MANHOLE OR CATCH BASIN TO CATCH BASIN, FOLLOWING THE COMPLETE FLUSHING OF THE LINE. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT REQUIRED TO COMPLETE THE DEFLECTION TESTING. THE DEFLECTION TEST SHALL BE WITNESSED BY THE COUNTY ENGINEER OR HIS DESIGNATED REPRESENTATIVE. ANY SECTION OF PIPE THAT FAILS TO MEET THE AFOREMENTIONED REQUIREMENTS SHALL BE REBOUNDED BY A PROCEDURE ACCEPTABLE TO THE COUNTY OR BE EXCAVATED AND EITHER BE RELAYED OR REPLACED, AND RE-TESTED UNTIL THE REQUIREMENTS ARE MET.

SANITARY SEWERS

- A. ALL WORK AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF BUTLER COUNTY WATER AND SEWER DEPARTMENT. WHEN IN CONFLICT WITH THE PROJECT SPECIFICATIONS, THE MORE RIGID REQUIREMENTS SHALL PREVAIL.
B. ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
C. SANITARY CONNECTIONS TO EXISTING MANHOLES (IF APPLICABLE) MUST BE CORE DRILLED AND RUBBER GASKET INSTALLED.
D. ALL SANITARY MANHOLES, PIPES, AND LATERALS CONSTRUCTED WITH THIS PROJECT SHALL BE PRIVATELY OWNED.
E. NO BUILDING SHALL BE CONNECTED TO A SEWER LATERAL UNTIL THE BUILDING IS UNDER ROOF.
F. SANITARY SHALL BE A MINIMUM OF SDR 35 FOR DEPTHS LESS THAN 16 FEET AND SDR 26 FOR DEPTHS GREATER THAN OR EQUAL TO 16 FEET.
G. ALL SANITARY SEWER MANHOLES, CASTINGS, PIPE, ETC., SHALL CONFORM WITH CURRENT SPECIFICATIONS OF THE BUTLER COUNTY SANITARY ENGINEER AND THE OHIO ENVIRONMENTAL PROTECTION AGENCY.
H. SANITARY SEWER MATERIALS AND INSTALLATION TO BE AS PER BUTLER COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES SPECIFICATIONS, USING SECTION 3110 FOR PVC SDR-35 & 26 PIPE; SECTION 3140 FOR ABS OR PVC COMPOSITE PIPE; SECTION 3410 FOR MANHOLES.
I. CROSSINGS: WHENEVER A SANITARY SEWER AND WATER MAIN MUST CROSS, THE SEWER SHALL BE AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES MEASURED BETWEEN THE OUTSIDE PIPE WALLS, BELOW THE BOTTOM OF THE WATER MAIN. IF IT IS ABSOLUTELY IMPOSSIBLE TO MAINTAIN THE 18 INCH VERTICAL SEPARATION, THE WATER MAIN SHALL BE RELOCATED OR THE SEWER SHALL BE CONSTRUCTED AS FOLLOWS:

- 1. A SEWER PASSING OVER OR UNDER THE WATER MAIN SHALL BE ENCASED OR CONSTRUCTED OF MATERIALS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION FOR A MINIMUM DISTANCE OF 10 FEET ON EACH SIDE OF THE WATER MAIN.
2. THE SEWER CROSSING SHALL BE CONSTRUCTED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
3. WHERE A WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

ELECTRIC SERVICES

- A. ELECTRIC SERVICE SHALL MEET THE REQUIREMENTS OF THE UTILITY PROVIDER.
B. ALL ELECTRICAL TRANSFORMERS SHALL BE LOCATED SO THAT THEY DO NOT INTERFERE WITH THE EXISTING MANHOLES OR WATER MAIN APPURTENANCES.
C. ELECTRIC CONDUITS SHALL CONSIST OF PVC SCHEDULE 40 NEMA RATED CONDUITS MEETING THE REQUIREMENTS OF THE ELECTRIC SERVICE PROVIDER.
D. ELECTRIC MANHOLES IF NECESSARY TO BE DESIGNED BY AND CONSTRUCTED IN ACCORDANCE WITH DUKE ENERGY REQUIREMENTS.

WATER MAINS

- A. ALL WATER WORK AND WATER MAIN MATERIALS INCLUDING PIPE, FITTINGS, VALVES, HYDRANTS, AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF BUTLER COUNTY WATER AND SEWER. THE MOST RIGID SPECIFICATIONS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE PROJECT SPECIFICATIONS.
B. ALL WATER FACILITIES ON THIS PROJECT ARE TO BE PRIVATE.
C. FIRE DEPARTMENT CONNECTION (STORTZ CONNECTION) SHALL BE WITHIN 50 FT. OF A PUBLIC FIRE HYDRANT OR A FIRE HYDRANT OFF OF THE MAIN BETWEEN THE PUBLIC MAIN AND THE METER PIT.
D. FIRE DEPARTMENT CONNECTION LINE SHALL TIE INTO THE FIRE SUPPRESSION SYSTEM ON THE BUILDING SIDE OF THE PUMP IF A PUMP IS INSTALLED.
E. NO PART OF ANY FIRE HYDRANT SETTING SHALL BE CLOSER THAN FIVE (5) FEET FROM ANY INLET, DRIVEWAY, PARKING LOT, UTILITY POLE, OR GUY WIRE ANCHOR.
F. BACKFILL SHALL BE CLASS A WHEN MAIN IS FIVE (5) FEET OR GREATER FROM EXISTING PUBLIC CURB. LESS THAN FIVE (5) FEET FROM EXISTING PUBLIC CURB, UNDER CURB OR EXISTING PUBLIC PAVEMENT BACKFILL SHALL BE CONTROLLED DENSITY FILL.
G. WATER MAINS SHALL MAINTAIN A MINIMUM COVER OF FOUR (4) FEET.
H. ALL WATER MAIN VALVES SHALL HAVE A MINIMUM DEPTH OF 2.5 FT. AND MAXIMUM DEPTH OF 4.0 FT. FROM PROPOSED GRADE TO THE TOP OF THE VALVE OPERATING NUT.
I. A MINIMUM CLEAR DISTANCE OF TEN (10) FEET HORIZONTAL OR EIGHTEEN (18) INCHES VERTICAL SHALL BE MAINTAINED BETWEEN SANITARY AND/OR STORM SEWERS AND WATER MAINS.
J. SANITARY AND STORM SEWERS THAT CROSS WATER MAINS SHALL BE LOCATED SUCH THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
K. ALL PUBLIC WATER MAINS SHALL BE CLASS 53 DUCTILE IRON AND PROVIDED WITH THRUST BLOCKING AT ALL TEES AND HORIZONTAL AND VERTICAL BENDS WHETHER SHOWN ON THE PLAN VIEW OR NOT. PRIVATE MAINS SHALL ALSO BE PROVIDED WITH THRUST BLOCKING AS DESCRIBED ABOVE. THRUST BLOCKING SHALL MEET THE REQUIREMENTS OF THE GOVERNING AGENCY.
L. PRIVATE WATER MAINS BEYOND THE METER PIT MAY BE C900 DR18 FOR WORKING PRESSURES LESS THAN 150 PSI. FOR DESIGN PRESSURES GREATER THAN 150 PSI, DUCTILE IRON PRESSURE CLASS 350 OR C900 DR 14 SHALL BE USED.
M. SERVICE PIPING THREE (3) INCHES AND LARGER SHALL BE AWWA C-151, CLASS 53 DUCTILE IRON, MEETING THE REQUIREMENTS OF THE GOVERNING AGENCY.
N. SERVICE PIPING SMALLER THAN THREE (3) INCHES SHALL BE SEAMLESS COPPER FLEXIBLE WATER TUBING, ASTM B 88, TYPE K, PRESSURE CLASS 250.
1. FITTINGS SHALL BE COMPRESSION STYLE FOR CTS TUBING, CONSULT GOVERNING AGENCY FOR A LISTING OF ACCEPTABLE MANUFACTURERS AND PRODUCTS.
2. COUPLINGS WITH SET SCREWS OR GRIP RINGS WILL NOT BE ACCEPTABLE.
3. WATER SERVICE TUBING SHALL BE BEDDED SIX (6) INCHES ABOVE AND BELOW WITH SAND OR OTHER NON-COMPACTIBLE MATERIAL APPROVED BY THE GOVERNING AGENCY.
O. ALL WATER METER PITS SHALL CONFORM TO THE MATERIALS AND SPECIFICATIONS OF THE GOVERNING AGENCY.
P. THE FOLLOWING ITEMS ARE TO BE APPROVED BY THE FIRE DEPARTMENT:

- 1. INSTALLATION OF ALL UNDERGROUND FIRE SUPPRESSION LINES ARE TO BE INSPECTED BY THE FIRE DEPARTMENT; INSTALLERS ARE REQUIRED TO BE LICENSED BY THE OHIO FIRE MARSHALL.
2. WATER SUPPLY AND CONNECTIONS TO THE SUPPLY.
3. FD CONNECTION HOSE CONNECTION THREADS (CAPS ALSO REQUIRED)
4. TYPE, ARRANGEMENT, LOCATION, IDENTIFICATION, THREADS, PROTECTION OF ALL HYDRANTS
5. HYDROSTATIC TESTING OF UNDERGROUND SYSTEMS; FIRE DEPT. MUST BE CALLED TO WITNESS TESTING; PROVIDE COPY OF CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND SYSTEM. AMOUNT OF PIPE LEAKAGE TO BE ACCEPTABLE TO FIRE DEPT.
6. FLUSHING OF UNDERGROUND SYSTEM TO BE WITNESSED BY FIRE DEPT. HYDRANT OPERATING TEST TO BE WITNESSED BY FIRE DEPT. UNDERGROUND PIPING INSTALLATION METHODS AND PROCEDURES.

GAS FACILITIES AND SERVICES

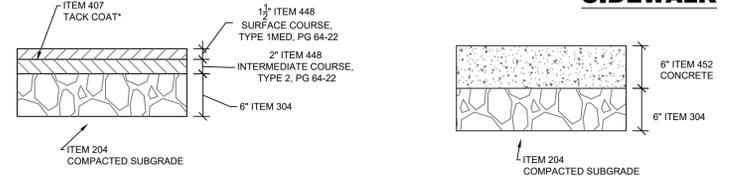
- A. FOR GAS ENGINEERING NOTIFICATION, AGREEMENTS AND OFFICIAL CORRESPONDENCE RELATED TO DUKE ENERGY, ADDRESS TO: DUKE ENERGY GAS ENGINEERING DEPARTMENT P.O. BOX 960, ROOM 460 ANNEX CINCINNATI, OH 45273-9598
B. THE GAS MAIN INFORMATION PROVIDED SHOWS THE APPROXIMATE LOCATIONS AND DEPTHS OF COVER AND IS PROVIDED TO COMPLY WITH STATUTORY REGULATIONS. THIS INFORMATION SHOULD BE USED ONLY FOR PLANNING, NOT CONSTRUCTION.
C. ALL GAS MAIN DEPTHS OF COVER IF NOTED ARE APPROXIMATE DEPTHS OF COVER RECORDED AT THE TIME OF INSTALLATION. ANY RESULTING GRADE CHANGES SINCE THE TIME OF THE MAIN INSTALLATION WILL CAUSE THE EXISTING DEPTHS OF COVER TO BE DIFFERENT. EXTREME CARE MUST BE TAKEN TO ENSURE SAFE EXCAVATION WHEN APPROACHING KNOWN OR SUSPECTED GAS FACILITIES.
D. GAS SERVICE SHALL MEET THE REQUIREMENTS OF THE UTILITY PROVIDER.
E. GAS SERVICE SHALL BE POLYETHYLENE PIPE MEETING THE REQUIREMENTS OF ASTM D-2513 AND THE PLASTIC PIPE INSTITUTE PE 2406 FOR MEDIUM DENSITY PIPE.
F. ALL GAS SERVICES WERE INSTALLED AT A MINIMUM OF 1'-6" OF COVER. SEE NOTE C. ABOVE.
G. FOR ADDITIONAL GAS FACILITY RECORD INFORMATION, CALL (513) 287-3636.
H. GAS FACILITIES ARE TO BE KEPT IN SERVICE AT ALL TIMES.
I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO GAS FACILITIES DURING OR AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION. ALL DAMAGE TO GAS FACILITIES REQUIRING ADJUSTMENTS, RELOCATIONS AND/OR REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
J. THE CONTRACTOR SHALL SHEET AND SHORE ALL EXCAVATIONS AS REQUIRED TO CONTINUOUSLY SUPPORT GAS FACILITIES WITHIN THE ZONE OF INFLUENCE (AS DETERMINED BY THE NATURAL ANGLE OF REPOSE OF THE SOIL).
K. CROSSING BURIED GAS FACILITIES WITH HEAVY CONSTRUCTION EQUIPMENT MAY CAUSE DAMAGE TO THE GAS FACILITIES. CONTACT THE GAS ENGINEERING DEPARTMENT FOR DETAILS ON HOW TO PROTECT THE GAS FACILITIES FROM DAMAGE.
L. THE CONTRACTOR SHALL NOT BACKFILL EXPOSED GAS FACILITIES UNTIL THE UTILITY HAS INSPECTED ITS FACILITIES AND PERFORMED ANY MAINTENANCE AND/OR ADJUSTMENTS THAT MAY BE REQUIRED.
M. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING ANY DAMAGE TO EXISTING GAS FACILITIES. THIS INCLUDES PROTECTION OF COATINGS AND WRAPPINGS ON STEEL GAS MAINS. IT ALSO INCLUDES ANY DAMAGE WHICH MAY HAVE OCCURRED TO PLASTIC GAS MAINS, SUCH AS CRIMPS OR GOUGES.
N. BLASTING OR OTHER CONSTRUCTION PROCEDURES WHICH MAY TRANSMIT LOADS OR VIBRATIONS IN THE VICINITY OF GAS FACILITIES MUST BE APPROVED BY THE GAS ENGINEERING DEPARTMENT. A BLASTING PLAN, IDENTIFYING ALL PERTINENT INFORMATION, MUST BE SUBMITTED IN WRITING BY A BLASTING EXPERT PRIOR TO ANY WORK.

TELEPHONE

- A. TELEPHONE CONDUITS, WHETHER SHOWN IN THESE PLANS OR NOT, SHALL MEET THE FOLLOWING REQUIREMENTS.
B. TELEPHONE CONDUITS SHALL BE PVC SCH. 40 PRIVATELY OWNED (PO) CONDUITS. FOR TELEPHONE COMPANY USE, FROM THE PROPOSED BACK BOARD LOCATION TO THE POINT OF CONNECTION BY THE UTILITY PROVIDER. CONDUITS SHALL MEET THE REQUIREMENTS OF TELEPHONE SERVICE PROVIDER.
C. TERMINATE UNDERGROUND CONDUIT AT DESIGNATED LOCATION WITH A MINIMUM COVER OF 24 INCHES AND MAXIMUM COVER OF 36 INCHES.
D. WRAP THE END OF THE CONDUIT WITH A SUITABLE MATERIAL TO PREVENT CLOGGING UNTIL THE CABLE IS PLACED. TELEPHONE SERVICE PROVIDER WILL MAKE CONNECTION AT THIS POINT.
E. FLAG OR IDENTIFY THE END OF THE CONDUIT IN ORDER TO DESIGNATE THE POINT OF CONNECTION BETWEEN TELEPHONE SERVICE PROVIDER AND ENTRANCE CONDUIT.
F. POWER OR OTHER FOREIGN CONDUIT MUST BE SEPARATED FROM TELEPHONE CONDUIT BY A MINIMUM OF 12" OF EARTH OR 3" OF CONCRETE.
G. CONDUIT MUST BE PLACED AT A MINIMUM DEPTH OF 24" AND A MAXIMUM OF 36".
H. PROVIDE A 200# TEST PULL LINE IN CONDUIT.
I. ALL BENDS MUST BE LONG. SWEEPING BENDS WITH A RADIUS NOT LESS THAN TEN TIMES THE INTERNAL DIAMETER OF CONDUIT. WITH A MAXIMUM OF 180 DEGREES OF BENDS BETWEEN PULLING POINTS. WHEN 180 DEGREES OF BENDS ARE REQUIRED, A PULL BOX WILL BE REQUIRED.
J. CONDUIT ENTERING FROM BELOW GRADE POINT MUST EXTEND 4" ABOVE FINISHED FLOOR.
K. PROVIDE A 3/4" PLYWOOD BACKBOARD FOR TELEPHONE COMPANY USE. DIMENSIONS TO BE PROVIDED BY THE SERVICE PROVIDER. BACKBOARD SHALL BE PAINTED ON ALL SIDES WITH TWO COATS OF NONCONDUCTIVE, FIRE-RETARDANT PAINT OR FIRE RETARDANT VIRGIN PLYWOOD IS ALSO ACCEPTABLE.
L. PROVIDE A 110 VOLT 20 AMP DUPLEX OUTLET ON THE BACKBOARD.
M. PROVIDE AT THE BACKGROUND LOCATION, A COILED INSULATED #6 GROUND WIRE CONNECTED TO THE ELECTRIC SERVICE GROUND, FOR THE PROPER GROUNDING OF TELEPHONE COMPANY CABLES, TERMINALS, AND EQUIPMENT.
N. TERMINATION SPACE SHALL BE CONTINUALLY ACCESSIBLE, WELL-LIT, AND ENVIRONMENTALLY CLEAN.
O. TERMINATION SPACE MUST CONTAIN A 20 AMP DUPLEX GROUNDED OUTLET FOR TESTING AND MAINTENANCE AND SHALL HAVE A MINIMUM MAINTENANCE AREA OF 36 INCHES IN FRONT OF ALL TELEPHONE BOARDS.
P. CONDUIT MUST EXTEND 4" ABOVE FINAL GRADE AT THE CONNECTION TO THE UTILITY POLE.

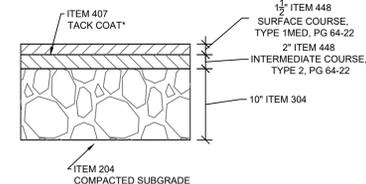


SIDEWALK



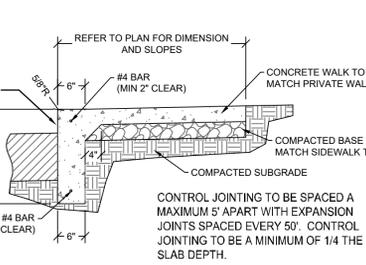
NORMAL DUTY ASPHALT

*ITEM 407 TACK COAT TO BE PLACED BETWEEN ASPHALT LAYERS WHEN PAVEMENT HAS BEEN SUBJECTED TO TRAFFIC BEFORE UPPER LAYERS OF ASPHALT ARE PLACED. APPLICATION RATE TO BE A MINIMUM OF 0.100 GAL/SQ YD.



HEAVY DUTY ASPHALT

*ITEM 407 TACK COAT TO BE PLACED BETWEEN ASPHALT LAYERS WHEN PAVEMENT HAS BEEN SUBJECTED TO TRAFFIC BEFORE UPPER LAYERS OF ASPHALT ARE PLACED. APPLICATION RATE TO BE A MINIMUM OF 0.100 GAL/SQ YD.



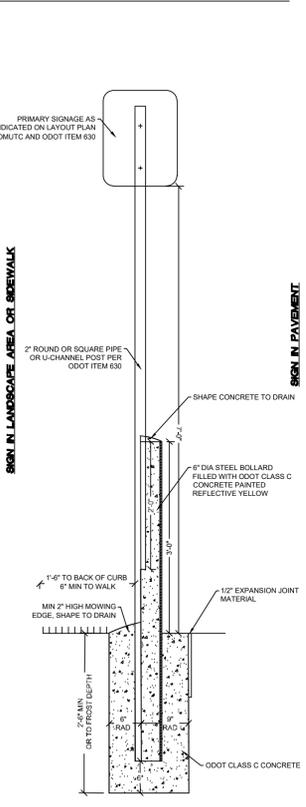
INTEGRAL CURB AND WALK



TYPICAL HANDICAP SIGNAGE



CONCRETE PAVEMENT



TYPICAL SIGNAGE

CAREPOINTE NURSING WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO SECTION 11, TOWN 3, RANGE 2 GENERAL NOTES Drawing: 15-0081 CD Drawn by: M/JL Checked by: Issue Date: 02-16-16 Sheet: C2.0

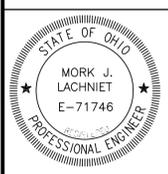
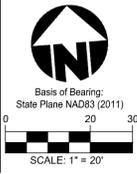
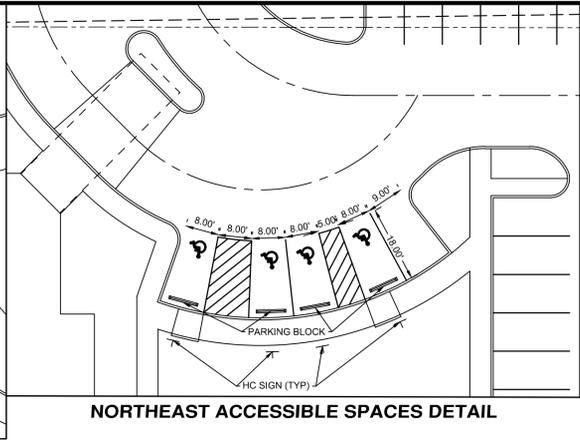
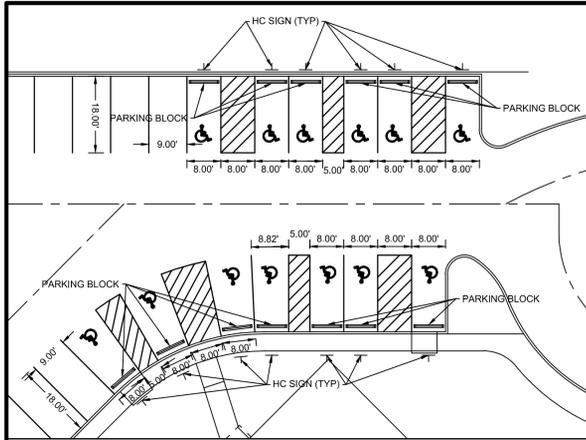


Table with columns: Item, Revision Description, Date, Dwnr, Chk, M/L. Contains revision history for the drawing.

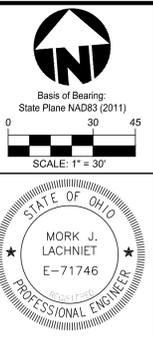
Plot time: Apr 01, 2016 - 4:51pm Drawing name: C:\Temp\Acad\Saves\AcPublish_7244115-0081_CD.dwg - Layout Tab: C2-0 General Notes

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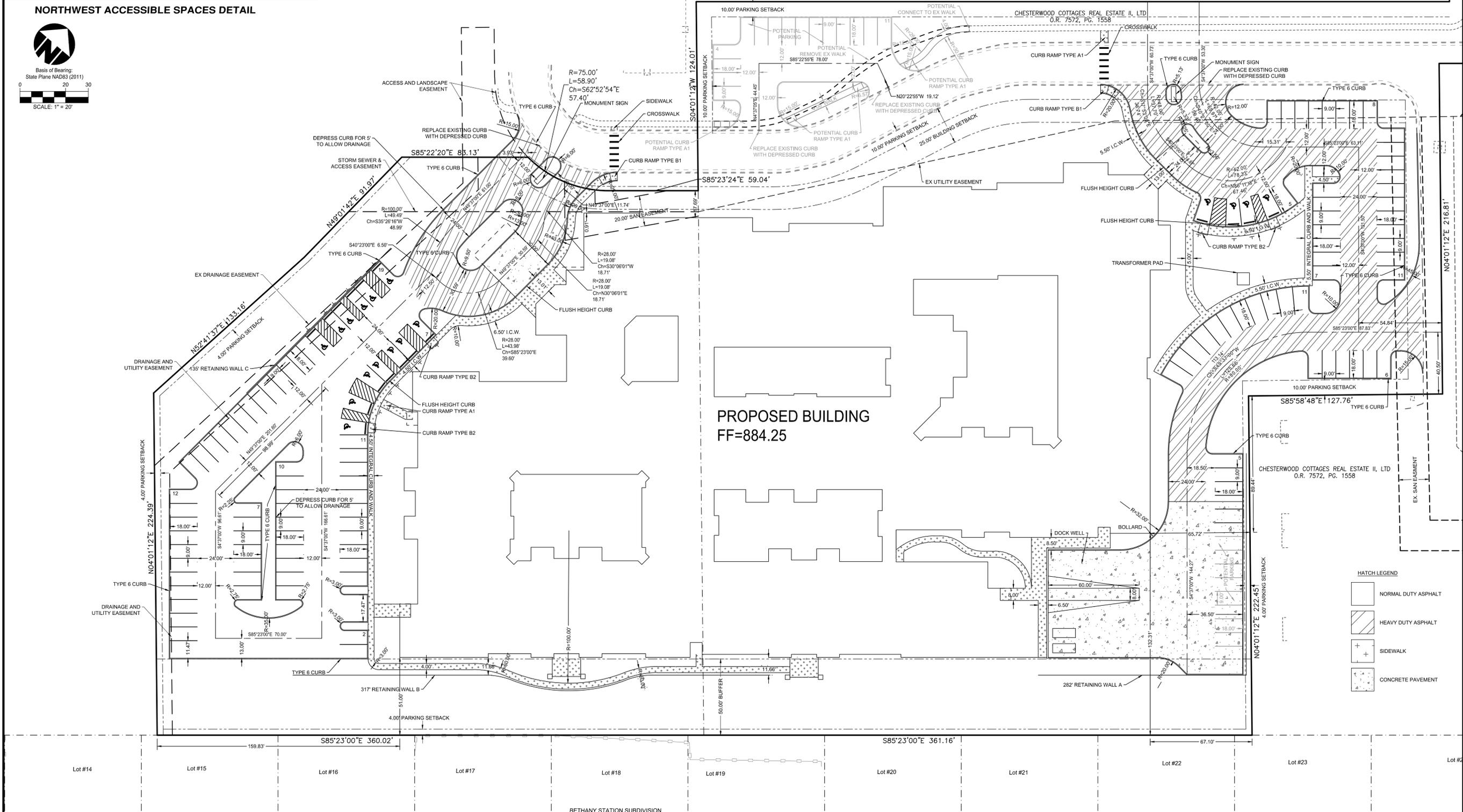
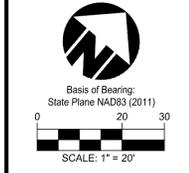
LOT COVERAGE		
LOCATION	AREA (Acres)	COVERAGE (%)
OVERALL SITE	7.54	
CHESTERWOOD BLVD	0.48	6%
BUILDING FOOTPRINT	2.37	31%
PROPOSED PAVEMENT	1.69	22%
PROPOSED SIDEWALKS	0.19	2%
LANDSCAPED AREAS	2.30	31%
OPEN SPACE (LANDSCAPE + COURTYARDS + SIDEWALKS)	3.00	40%

PARKING REQUIREMENTS			
LOCATION	RATIO	REQUIRED	PROVIDED + POTENTIAL
22,657 S.F. SKILLED NURSING	1 PER 500 S.F.	46	67
2,972 S.F. STAFF OFFICES	1 PER 100 S.F.	30	54+27 = 81
		76	121+27 = 148



NORTHWEST ACCESSIBLE SPACES DETAIL

NORTHEAST ACCESSIBLE SPACES DETAIL



PROPOSED BUILDING
FF=884.25

HATCH LEGEND

	NORMAL DUTY ASPHALT
	HEAVY DUTY ASPHALT
	SIDEWALK
	CONCRETE PAVEMENT

CAREPOINTE NURSING
CHESTERWOOD BLVD
WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO
SECTION 11, TOWN 3, RANGE 2

LAYOUT PLAN

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Mason, OH 45040 - 513.339.6600

Item	Revision Description
1	FINAL DEVELOPMENT PLAN
2	
3	
4	
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7	
8	
9	

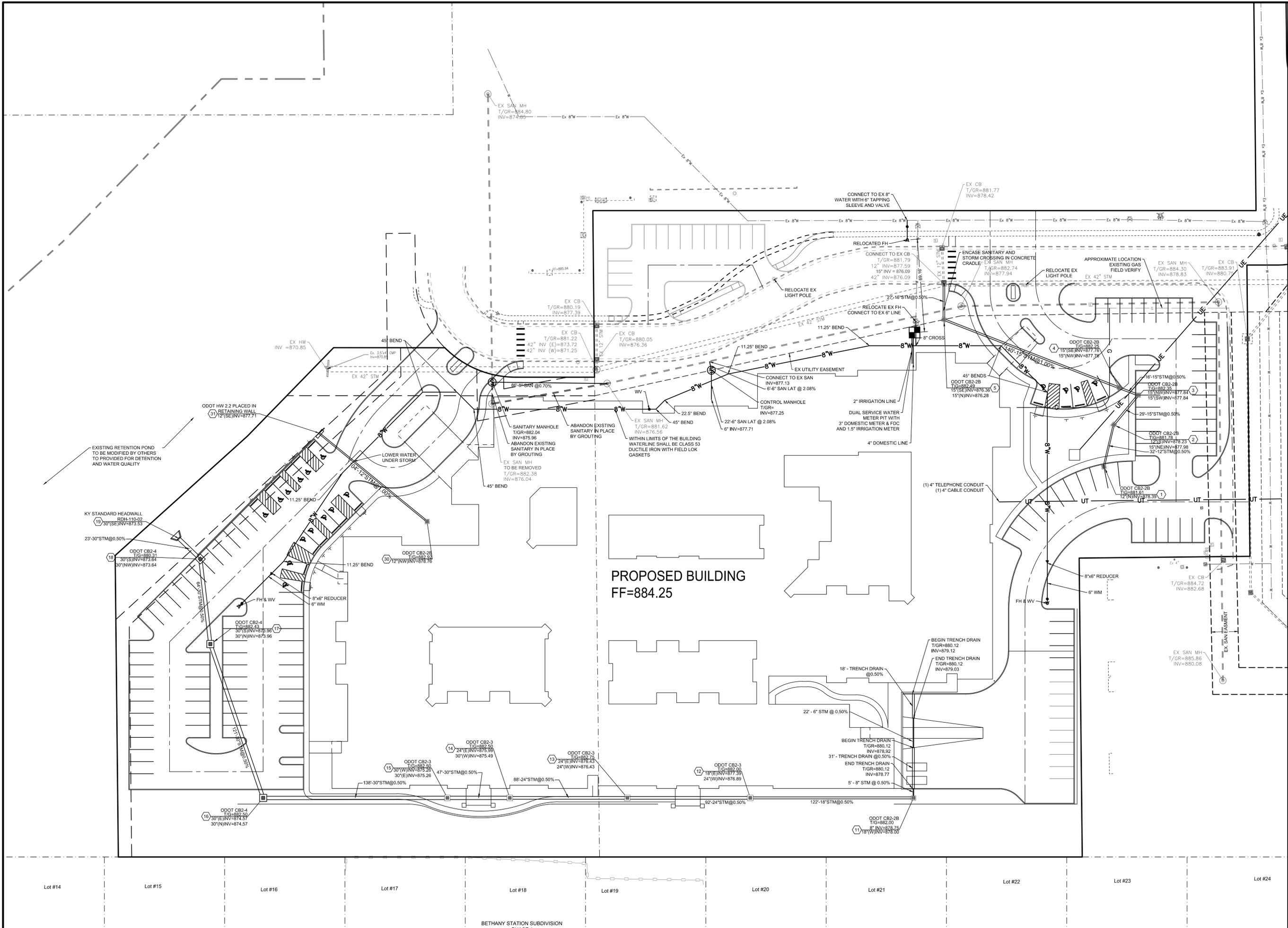
Drawing: 15-0081 CD
 Drawn by: MJL
 Checked by:
 Issue Date: 02-16-16
 Sheet:

C3.0

Plot time: Apr 01, 2016 - 4:52pm
 Drawing name: C:\Temp\Acad6\Saves\AcPublish_7244115-0081 CD.dwg - Layout Tab: C3-0 Layout Plan

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Plot time: Apr 01, 2016 - 4:52pm
 Drawing name: C:\Temp\Acad6\Saves\AcadPublish_7244115-0081 CD.dwg - Layout Tab: C4-0 Utility Plan





Basis of Bearing:
State Plane NAD83 (2011)



SCALE: 1" = 30'



Date	Drawn	Chk	Revision Description
02-16-16	MJL		1 FINAL DEVELOPMENT PLAN
			2
			3
			4
			5
			6
			7
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			9

CAREPOINTE NURSING
 CHESTERWOOD BLVD
 WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO
 SECTION 11, TOWN 3, RANGE 2

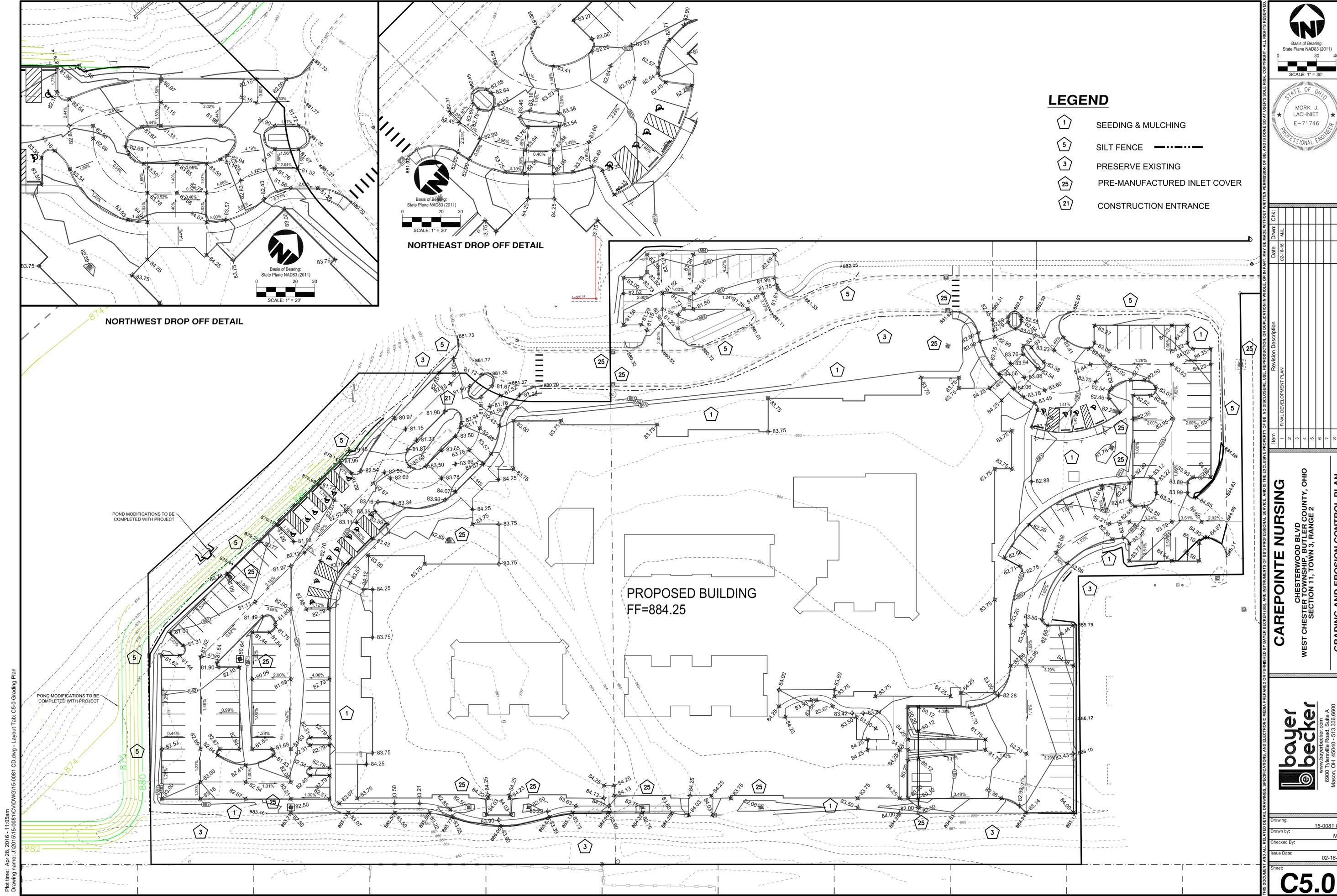
UTILITY PLAN



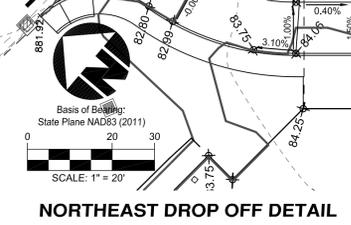
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Drawing: 15-0081 CD
 Drawn by: MJL
 Checked by:
 Issue Date: 02-16-16
 Sheet:

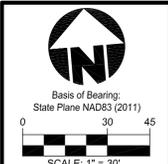
C4.0



- LEGEND**
- 1 SEEDING & MULCHING
 - 5 SILT FENCE
 - 3 PRESERVE EXISTING
 - 25 PRE-MANUFACTURED INLET COVER
 - 21 CONSTRUCTION ENTRANCE

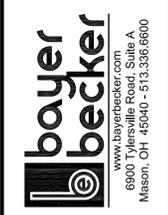


PROPOSED BUILDING
FF=884.25



Item	Revision Description	Date	Chk:
1	FINAL DEVELOPMENT PLAN	02-16-18	MJL
2			
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CAREPOINTE NURSING
 CHESTERWOOD BLVD
 WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO
 SECTION 11, TOWN 3, RANGE 2
 GRADING AND EROSION CONTROL PLAN



Drawing: 15-0081 CD
 Drawn by: MJL
 Checked By:
 Issue Date: 02-16-18

Sheet:
C5.0

Plot time: Apr 28, 2018 - 11:05am
 Drawing name: J:\2015\15-0081\CD\DWG\15-0081_CD.dwg - Layout Tab: C5-0 Grading Plan

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EROSION AND SEDIMENT CONTROLS

- A. THE PROJECT HAS BEEN DESIGNED TO CONTROL EROSION AND PREVENT DAMAGE TO OTHER PROPERTY. ALL STRIPPING, EARTHWORK, AND REGRADING SHALL BE PERFORMED TO MINIMIZE EROSION. NATURAL VEGETATION SHALL BE RETAINED WHEREVER POSSIBLE. THE PROPOSED PLAN WILL ALLOW MOST ERODED MATERIALS TO BE RETAINED ON SITE.**
- B. VEGETATIVE PRACTICES**
- SUCH PRACTICES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, MATTING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PHASING AND PROTECTION OF TREES. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN TWENTY-ONE (21) DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
 - ALL DISTURBED AREAS SHALL BE SEEDED AND STRAWED UNLESS OTHERWISE NOTED IN THE PROJECT SPECIFICATIONS.
- C. STRUCTURAL PRACTICES**
- STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND TRAP SEDIMENT FROM ALL SITES REMAINING DISTURBED FOR MORE THAN FOURTEEN (14) DAYS.
- D. TIMING**
- SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITY. SEDIMENT PONDS AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
- E. SEDIMENT BARRIERS**
- SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS. SEDIMENT BARRIERS, SUCH AS SEDIMENT FENCES OR DIVERSIONS DIRECT RUNOFF TO SETTLING FACILITIES, SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.
- F. MAINTENANCE & WASTE DISPOSAL**
- ALL TEMPORARY AND PERMANENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
 - NO SOLID OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF. OFF-SITE VEHICLE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. THE PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE AND APPLICABLE STATE OF LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
 - EXCESS EXCAVATED MATERIAL IS TO BE DISPOSED OF ON SITE AS DIRECTED BY THE CONSTRUCTION MANAGER. EXCESS MATERIAL SHALL BE GRADED TO DRAIN.
 - CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES AS PER PLAN AND AS REQUIRED BY THE LOCAL GOVERNING AGENCY AND THE OHIO E.P.A. THE EROSION CONTROL MEASURES SHALL BE INSTALLED PER THE RAINWATER AND LAND DEVELOPMENT HANDBOOK PUBLISHED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES, CURRENT EDITION.
- G. SEDIMENT CLEANUP**
- BY THE END OF EACH WORK DAY, SWEEP OR SCRAPE UP SOIL TRACKED ONTO THE ROAD. BY THE END OF THE NEXT WORK DAY AFTER A STORM, CLEAN UP SOIL WASHED OFF-SITE, AND CHECK STRAW BALES AND SILT FENCE FOR DAMAGE OR SEDIMENT BUILDUP.
- H. DOWNSPOUT EXTENDERS**
- NOT REQUIRED, BUT HIGHLY RECOMMENDED. INSTALL AS SOON AS GUTTERS AND DOWNSPOUTS ARE COMPLETED. ROUTE WATER TO A GRASSED OR PAVED AREA. MAINTAIN UNTIL A LAWN IS ESTABLISHED.
- I. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EXCAVATION OR AS SOON AS EXCAVATION IS COMPLETED OR SUSPENDED.**
- J. SEED WITHIN 7 DAYS OF REACHING FINAL GRADE OR AS SOON AS POSSIBLE.**
- K. SEE GRADING PLAN C5.0 FOR LOCATION OF EROSION CONTROL MEASURES**

SWPPP NOTES

TYPE OF CONSTRUCTION ACTIVITY: CONSTRUCTION OF A 1 STORY SENIOR LIVING CENTER BUILDING

TOTAL SITE AREA: 7.54 ± ACRES

TOTAL DISTURBED AREA: 5.82 ± ACRES

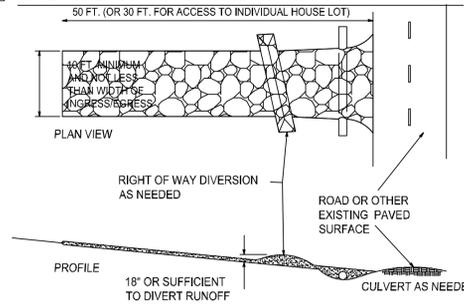
RUNOFF COEFFICIENTS

PRE-CONSTRUCTION - 0.35

POST-CONSTRUCTION - 0.80

IMPERVIOUS AREA (%): 4.70 ACRES (81%)

21 CONSTRUCTION ENTRANCE



- STONE SIZE - MINIMUM TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FT. (EXCEPT ON SINGLE RESIDENCE LOTS WHERE A 30-FT. MINIMUM LENGTH APPLIES.
- THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
- WIDTH - THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
- CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING. ENTRANCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL DRIVEWAY IS PAVED.
- CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS. PARK ALL CONSTRUCTION VEHICLES ON THE STREET AND OFF THE SITE.

2 SODDING

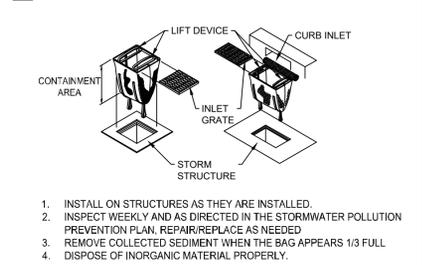
SPREAD 4 TO 6 INCHES OF TOPSOIL. FERTILIZE ACCORDING TO SOIL TEST (OR APPLY 10LB./1000 SQ. FT. OF 20-10-10 OR 10-10-10 FERTILIZER.) LIGHTLY WATER THE SOIL. LAY SOD, TAMP OR ROLL LIGHTLY. ON SLOPES, LAY SOD STARTING AT THE BOTTOM AND WORK TOWARD THE TOP. PEG EACH PIECE DOWN IN SEVERAL PLACES. INITIAL WATERING SHOULD WET SOIL 6 INCHES DEEP (OR UNTIL WATER STANDS 1 INCH DEEP IN A STRAIGHT-SIDED CONTAINER.) THEN WATER LIGHTLY EVERY DAY OR TWO FOR 2 WEEKS.

IF CONSTRUCTION IS COMPLETED AFTER OCTOBER 31, SEEDING OR SODDING MAY BE DELAYED. APPLYING MULCH OR TEMPORARY SEED (SUCH AS RYE OR WINTER WHEAT) IS RECOMMENDED IF WEATHER PERMITS. STRAW BALE OR SILT FENCES MUST BE MAINTAINED UNTIL FINAL SEEDING OR SODDING IS COMPLETED IN SPRING MARCH 15- MAY 31.

3 PRESERVE EXISTING VEGETATION

WHEREVER POSSIBLE, PRESERVE EXISTING TREES, SHRUBS, AND OTHER VEGETATION. TO PREVENT ROOT DAMAGE, DO NOT GRADE, PLACE SOIL PILES, OR PARK VEHICLES NEAR TREES MARKED FOR PRESERVATION. PLACE PLASTIC MESH OR SNOW FENCE BARRIERS AROUND TREES TO PROTECT THE AREA BELOW THEIR BRANCHES.

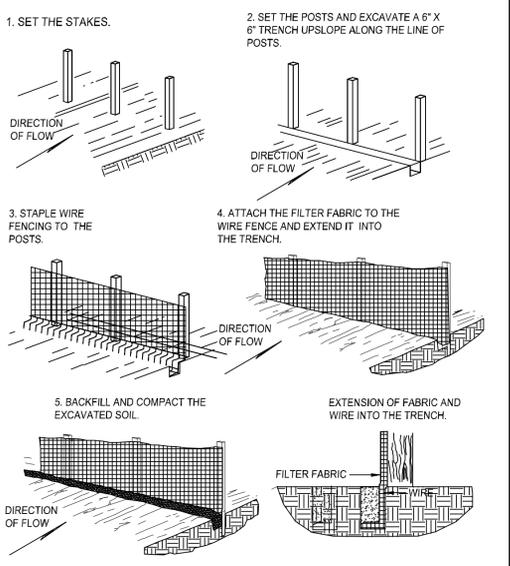
25 MANUFACTURED INLET COVERS



5 SILT FENCE

- INSTALLATION**
- PUT UP BEFORE ANY OTHER WORK IS DONE.
 - INSTALL ON DOWNSLOPE SIDE(S) OF SITE WITH ENDS EXTENDED UP SIDESLOPES A SHORT DISTANCE.
 - PLACE PARALLEL TO THE CONTOUR OF THE LAND AND AT THE FLATTEST AREA AVAILABLE TO ALLOW WATER TO POND BEHIND FENCE.
 - STAKE TO BE A MINIMUM OF 32 INCHES LONG
 - MINIMUM HEIGHT SILT FENCE 16 INCHES ABOVE ORIGINAL GROUND SURFACE
 - LEAVE NO GAPS BETWEEN SECTIONS OF SILT FENCE. INSPECT AND REPAIR ONCE A WEEK AND AFTER EVERY 1/2 INCH RAIN. REMOVE SEDIMENT IF DEPOSITS REACH HALF THE FENCE HEIGHT.
 - MAXIMUM DISTANCE FROM TOE OF THE SLOPE, LEAVING AT LEAST 5' DISTANCE.
 - STAKE ON DOWNHILL SIDE OF GEOTEXTILE WITH 8" OF CLOTH CLOTH BELOW THE GROUND SURFACE; EXCESS MATERIAL TO LAY ON THE BOTTOM OF 6" TRENCH
 - ODOT TYPE "C" GEOTEXTILE FABRIC OR EQUAL
 - MAINTAIN UNTIL A LAWN IS ESTABLISHED.
- MATERIALS AND WORKMAN SHIP SHALL CONFORM TO ODOT ITEM 207, THE ODN RAINWATER AND LAND DEVELOPMENT MANUAL, AND THE STORM WATER POLLUTION PREVENTION PLAN.

CONSTRUCTION OF A FILTER BARRIER



1 SEEDING AND MULCHING

SPREAD 4 TO 6 INCHES OF TOPSOIL. FERTILIZE ACCORDING TO SOIL TEST (OR APPLY 10 LB./1000 SQ. FT. OF 20-10-10 OR 10-10-10 FERTILIZER.) SEED WITH AN APPROPRIATE MIX FOR THE SITE (SEE TABLE.) RAKE LIGHTLY TO COVER SEED WITH 1/4" OF SOIL. ROLL LIGHTLY. MULCH WITH STRAW (70-90 LB. OR ONE BALE PER 1000 SQ. FT.) ANCHOR MULCH BY PUNCHING 2 INCHES INTO THE SOIL WITH A DULL, WEIGHTED DISK OR BY USING NETTING OR OTHER MEASURES ON STEEP SLOPES, OR WINDY AREAS. WATER GENTLY EVERY DAY OR TWO TO KEEP SOIL MOIST. LESS WATERING IS NEEDED ONCE GRASS IS 2 INCHES TALL.

TEMPORARY SEEDING SPECIES SELECTION

SEEDING DATES	SPECIES	LB./1,000 FT. ²	PER ACRE
MARCH 1 TO AUGUST 15	OATS	3	4 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
AUGUST 16 TO NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.
NOVEMBER 1 TO SPRING SEEDING	WHEAT	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
	PERENNIAL RYEGRASS	1	40 LB.

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED. PERMANENT SEEDING TO BE AS PER LANDSCAPING PLANS

CAREPOINTE NURSING
CHESTERWOOD BLVD
WEST CHESTER TOWNSHIP, BUTLER COUNTY, OHIO
SECTION 11, TOWN 3, RANGE 2

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Item	Revision Description	Date	Drawn	Checked
1	FINAL DEVELOPMENT PLAN	02-16-16	MJL	
2				
3				
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Drawing: 15-0081 CD
 Drawn by: MJL
 Checked by:
 Issue Date: 02-16-16
 Sheet:

C5.1