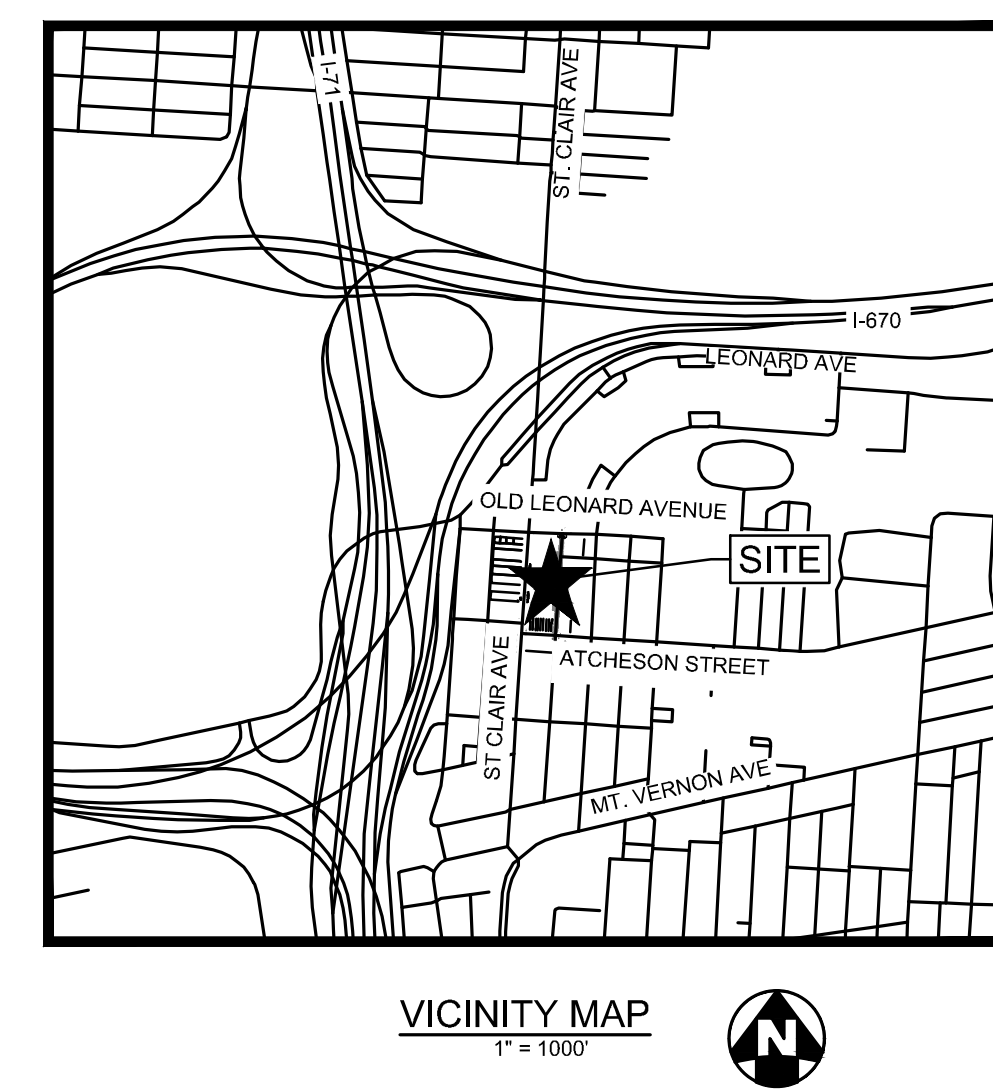
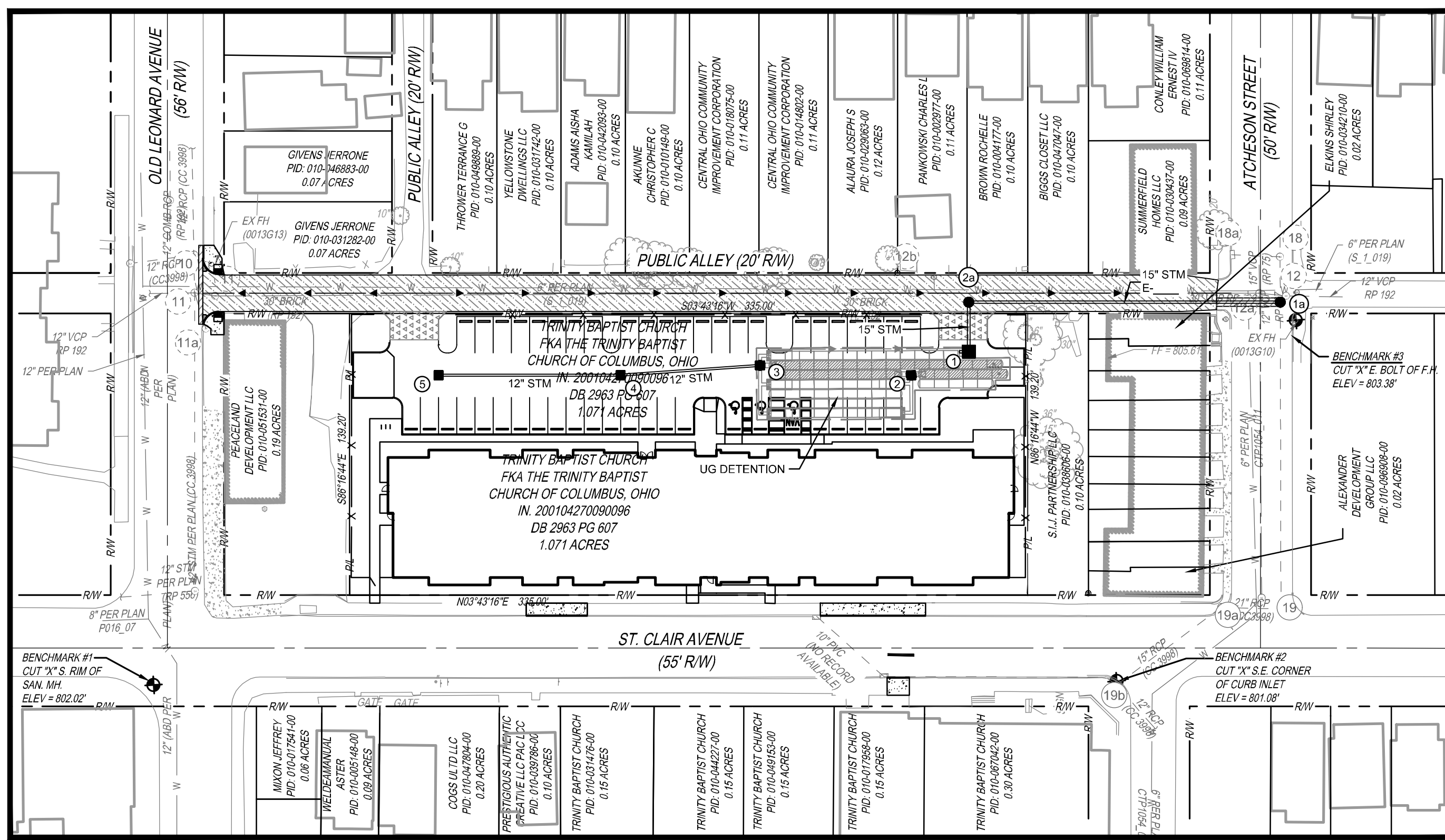


ESTIMATE OF QUANTITIES

THESE QUANTITIES ARE APPROXIMATE ONLY AND ARE NOT TO BE USED FOR PREPARATION OF COST ESTIMATES, BIDS, OR ANY OTHER ESTIMATING PURPOSE WITHOUT VERIFICATION BY THE USER. ANY DISCREPANCIES IN THE QUANTITIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER FOR EVALUATION.

FOR QUANTITIES RELATED TO WORK IN THE RIGHT OF WAY, REFERENCE 4047 - E.

ITEM	QUANTITY	UNIT	DESCRIPTION
201	1	LUMP	CLEARING AND GRUBBING
203	275	CY	EXCAVATION (UNDERGROUND DETENTION SCP)
207	318	LF	SILT FENCE
207	1	EA	CONCRETE WASHOUT AREA
207	5	EA	INLET PROTECTION
207	18	CY	STABILIZED CONSTRUCTION ENTRANCE
604	4	EA	CATCH BASIN (AA-S133B 3'X3')
604	1	EA	CATCH BASIN (MODIFIED ODOT CB NO. 2-5)
659	339	SY	SEEDING AND MULCHING
901	90	LF	12" STORM PIPE WITH TYPE 1 BEDDING
901	69	LF	12" STORM PIPE WITH TYPE 1 BEDDING AND WATER TIGHT JOINTS
901	36	LF	15" STORM PIPE WITH TYPE 1 BEDDING
SPEC	1	EA	UNDERGROUND DETENTION - STORMTECH SC-740 - 9 ROWS, 85 CHAMBERS, TOTAL LENGTH = 605 LF, 31 ISOLATOR ROW CHAMBERS, 3 - 10" INSPECTION PORTS
SPEC	1	EA	DEBRIS HOOD



STANDARD DRAWINGS

THE STANDARD DRAWINGS LISTED ON THIS PLAN SHALL BE CONSIDERED A PART THEREOF.

CITY OF COLUMBUS:	ODOT:
AA-S102	CB-2/5
AA-S106	
AA-S107	
AA-S112	
AA-S119	
AA-S138B	
AA-S141	
AA-S140	
AA-S150	
AA-S151	
AA-S161	

SANITARY NOTES

CONNECTIONS TO SANITARY CANNOT BE MADE UNTIL A PERMIT IS OBTAINED FROM THE SEWER PERMIT OFFICE AT 111 N. FRONT STREET, 1ST FLOOR, 614-645-7490

SANITARY SERVICES AND OTHER UTILITY CONNECTIONS ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF SANITARY SERVICES, THEIR LOCATIONS, OR ANY OTHER NON-STORM WATER UTILITY. CONTACT DPU PERMIT OFFICE FOR SANITARY SERVICE APPROVAL AND REGARDING ANY WORK INVOLVING THE SANITARY SERVICE LATERALS.

SCP WATER QUANTITY/QUALITY STRUCTURE NOTE

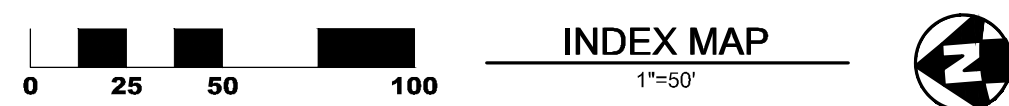
THE UNDERGROUND DETENTION, ISOLATOR ROWS, AND STRUCTURE 1 ARE AN INTEGRAL PART OF THE PRIVATE STORM SEWER SYSTEM DEPICTED IN THESE DRAWINGS. RESPONSIBILITY AND ASSURANCE OF PERIODIC MAINTENANCE AND THE CONTINUOUS FUNCTIONALITY OF THESE STORM WATER QUANTITY AND QUALITY DEVICES IS PERPETUAL BEGINNING WITH THE OWNER AT THE TIME OF INSTALLATION AND CONTINUING TO ALL FUTURE OWNERS OF SAID PRIVATE STORM SEWER SYSTEM. SEE SHEET 6 FOR POST-CONSTRUCTION INSPECTION AND MAINTENANCE SCHEDULE (P.C.M.S.).

THIS PROJECT IS COMPLIANT WITH OHIO EPA GENERAL CONSTRUCTION STORM WATER PERMIT NO. OHC000006, ISSUED APRIL 23, 2023

LOCATION	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	100-YR ELEV	ELEV AT VOLUME PROVIDED
UNDERGROUND DETENTION	7,270	7,400	799.04	799.13

CONTROL/OUTLET STRUCTURE NO.	PLAN VIEW & DETAIL PAGE NUMBERS FOR SCP**	CONTROL FUNCTION	DRAINAGE AREA TO CONTROL FACILITY (ACRES)	FACILITY TYPE	GREEN INFRASTRUCTURE (SF)
1	4, 5	WATER QUALITY/FLOOD CONTROL	1.07 AC	UNDERGROUND DETENTION	N/A

**THE POST CONSTRUCTION INSPECTION & MAINTENANCE SCHEDULE CAN BE FOUND ON SHEET 6 OF THESE PLANS.



RELATED PLANS
FINAL SITE COMPLIANCE PLAN 24345-00193
WATER SITE PLAN VSR-7010
DRAWER E 4047 - E

SHEET INDEX

1 - TITLE SHEET	(C101)
2 - GENERAL NOTES	(C102)
3 - DEMOLITION PLAN	(C103)
4 - UTILITY PLAN	(C104)
5 - STORM SEWER PROFILES	(C105)
6 - UNDERGROUND DETENTION DETAILS	(C106)
7 - GRADING AND EROSION CONTROL PLAN	(C107)
8 - EROSION CONTROL NOTES	(C108)
9 - EROSION CONTROL DETAILS	(C109)
10 - EROSION CONTROL DETAILS	(C110)

BENCHMARKS

VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAV88), BASED ON SOURCE BENCHMARK CORN STATION "COLB".

BENCHMARK	DESCRIPTION	NORTHING	EASTING	ELEVATION
BM #1	CUT "X" S. RM OF SAN. MH.	719827.83	1833799.11	802.02
BM #2	CUT "X" S.E. CORNER OF CURB INLET	719362.83	1833770.13	801.06
BM #3	CUT "X" E. BOLT OF F.H.	719253.00	1833942.29	803.38

BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING CORN STATION "COLB". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.00041689 APPLIED AT BASE POINT N 719543.91 E 1833476.96. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.

FEMA NOTE:

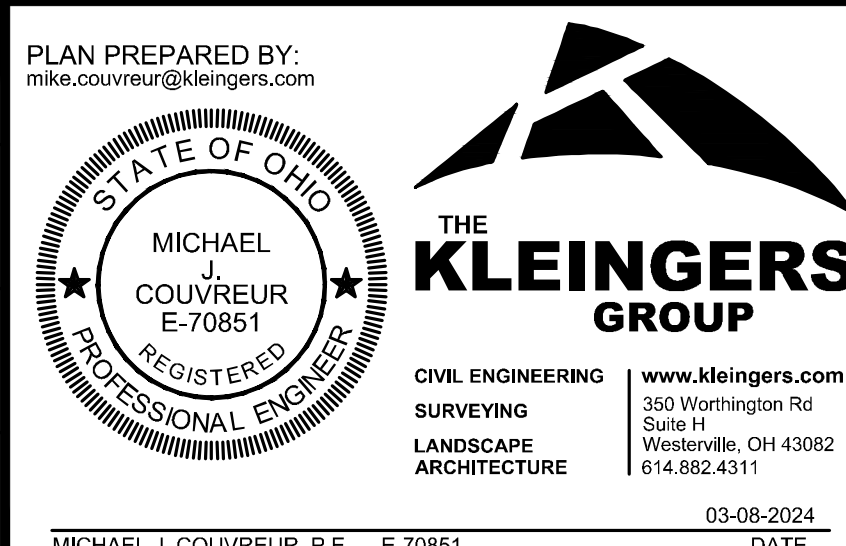
- THIS SITE IS LOCATED IN ZONE X - FIRM MAP 39049C0328K, EFFECTIVE 06/17/2008
- NO FILL WILL BE ADDED TO THE 100-YEAR FLOODPLAIN.

TOTAL SITE AREA:	1.07 ACRES
TOTAL DISTURBED AREA:	1.36 ACRES
RW ONLY DISTURBED AREA:	0.29 ACRES
PRE-DEV. IMPERVIOUS AREA:	0.96 ACRES
POST-DEV. IMPERVIOUS AREA:	1.00 ACRES



DATE: 03-08-2024 13

EASEMENT REFERENCE		REVISIONS		PLAN PREPARED BY: MICHAEL COUVREUR REGISTERED PROFESSIONAL ENGINEER E-70851	APPROVALS: SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS. APPROVAL FOR STORM DRAINAGE ONLY. CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION _____ DATE _____ ADMINISTRATOR, DIVISION OF POWER _____ DATE _____ ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE _____ DATE _____	PROJECT TITLE: SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO TITLE SHEET	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY
CITY NO.	COUNTY RECORD VOL. PAGE GRANTOR	NO.	DESCRIPTION DATE				

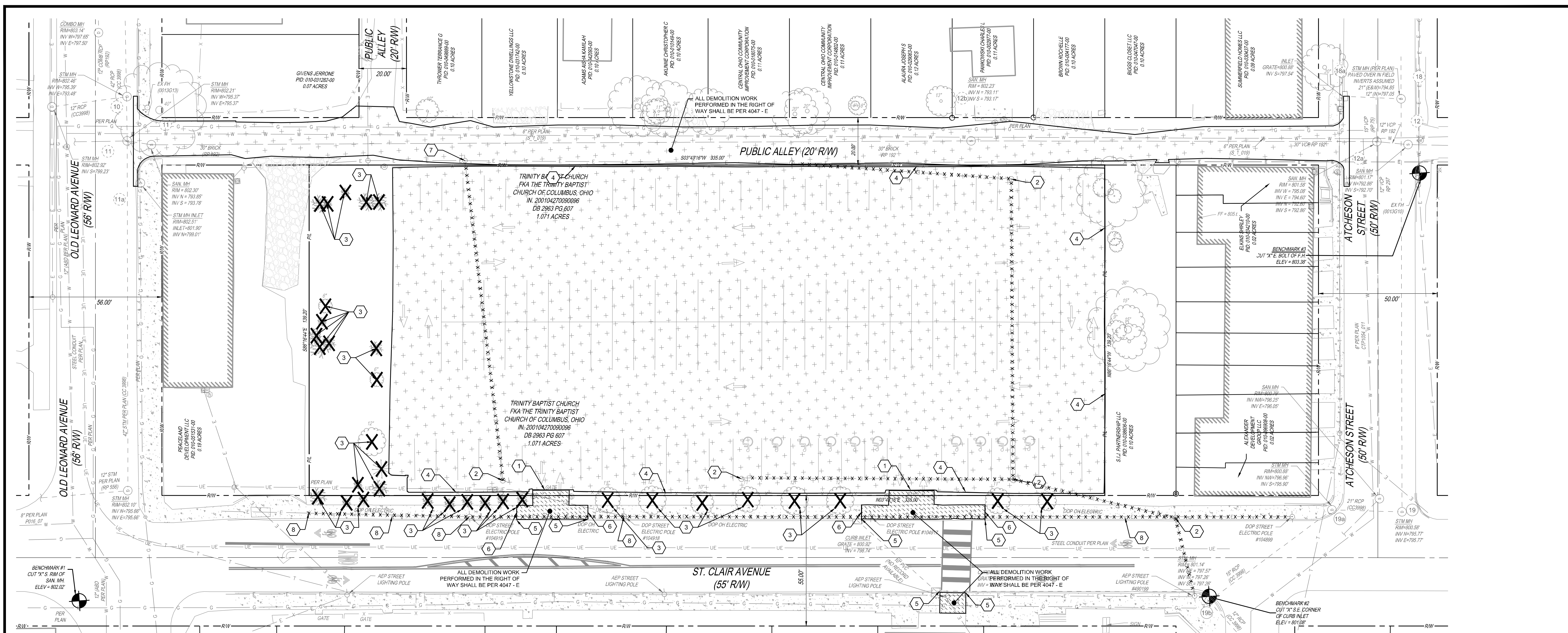


THE KLEINGERS GROUP
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
www.kleingers.com
350 Worthington Rd Suite 111 Westerville, OH 43082 614-892-4111

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING 456 ST. CLAIR AVE. COLUMBUS, OH 43202 FOR NATIONAL CHURCH RESIDENCES	Moody Nolan 300 SPRUCE STREET SUITE 300 COLUMBUS, OHIO 43215 PHONE: (614) 461-4664 FAX: (614) 280-8881 CERTIFICATE NO: FIRM 00197475
---	---

TITLE SHEET	
PROGRESS DRAWING NOT FOR CONSTRUCTION	22186.00 C101 PERMIT SET
DATE: 02/15/2024	CHECKED BY: MJC



INDIANA BAT HABITAT PROTECTION NOTE:

FOR ANY TREES DESIGNATED FOR REMOVAL THAT MAY BE POTENTIAL BAT HABITAT AREAS, REMOVAL SHALL ONLY OCCUR FROM OCTOBER 1ST TO MARCH 31ST. IF THE CONTRACTOR PREFERENCES TO REMOVE THE TREES OUTSIDE OF THIS TIME FRAME, A SURVEY MUST BE CONDUCTED ACCORDING TO THE UNITED STATES FISH AND WILDLIFE SERVICES AND BY A BIOLOGIST WITH ALL REQUIRED FEDERAL AND/OR STATE COLLECTION PERMITS TO DETERMINE THE PRESENCE OF ANY INDIANA BATS. THE DATA COLLECTED DURING THE SURVEY MUST BE PROVIDED TO THE CITY FORESTRY SECTION AT (614) 724-1276 ACCORDING TO THE CONDITIONS OF THE PERMIT AND ANY REGULATORY AUTHORITY. REQUIREMENTS: IF NO BATS ARE PRESENT THE TREE SHALL BE REMOVED WITHIN 24 HOURS OF THE SURVEY BEING CONDUCTED. IF BATS ARE FOUND TO BE PRESENT, THEN TREE SHALL REMAIN AND A PROTECTION AND ENHANCEMENT PLAN WILL BE REQUIRED.

SURVEY NOTES:

- OCCUPATION IN GENERAL FITS SURVEY, WITH THE EXCEPTION OF AN ENCROACHMENT OVER BY NORTHEASTERN CORNER OF THE SUBJECT PROPERTY BY A NEIGHBORING DRIVEWAY.
- SOURCE DOCUMENTS AS NOTED.
- ALL MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED.
- BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING CORS STATION "COLB". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.000041689 APPLIED AT BASE POINT N 719,543.81 E 1,833,876.89. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.
- VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVDSB), BASED ON SOURCE BENCHMARK, CORNERS STATION "COLB".
- THE SUBJECTS PROPERTY IS LOCATED IN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) AS DETERMINED BY GRAPHIC INTERPRETATION OF THE FLOOD INSURANCE RATE MAPS COMMUNITY NUMBER 38049C0328K, EFFECTIVE JUNE 17, 2008.
- UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE AND LOCATIONS OF ABOVE-GROUND APPURTENANCES, AND PLAN INFORMATION PROVIDED BY UTILITY OWNERS. THE OHIO UTILITY PROTECTION SERVICE (OUPS) WAS CONTACTED ON OCTOBER 12, 2022. OUPS TICKET NUMBERS A228-501-015 AND A228-501-019.

- THERE ARE 105 REGULAR PARKING SPACES AND 10 HANDICAPPED PARKING SPACES LOCATED ON THE SUBJECT PROPERTY.
- THERE ARE NO KNOWN CHANGES, COMPLETED OR PROPOSED, IN THE STREET RIGHT-OF-WAY LINES. THERE WAS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- THERE IS NO EVIDENCE OF RECENT EARTH MOVING WORK OR BUILDING CONSTRUCTION ON THE SUBJECT PROPERTY.
- THE MAJORITY OF THE SUBJECT PROPERTY IS ZONED CPD (COMMERCIAL PLANNED DEVELOPMENT DISTRICT). CPD ZONING REQUIRES MINIMUM FRONT, SIDE AND REAR SETBACKS OF 35', AND A MAXIMUM BUILDING HEIGHT OF 30' PER CITY OF COLUMBUS COD OF ORDINANCES CHAPTER 3361.04. THE NORTHERN MOST PARCEL OF THE SUBJECT PROPERTY IS ZONED RFD (RESIDENTIAL).
- NO ZONING REPORT OR LETTER WAS PROVIDED.
- THERE ARE NO BUILDINGS ON THE SUBJECT PROPERTY.
- THERE ARE NO DIVISION OR PARTY WALLS WITH ADJOINING PROPERTIES.
- NO EVIDENCE OF A FIELD DELINEATION OF WETLANDS CONDUCTED BY A QUALIFIED SPECIALIST WAS OBSERVED.
- THIS DRAWING IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY THE KLEINGERS GROUP IN OCTOBER, 2022.

EXISTING LEGEND

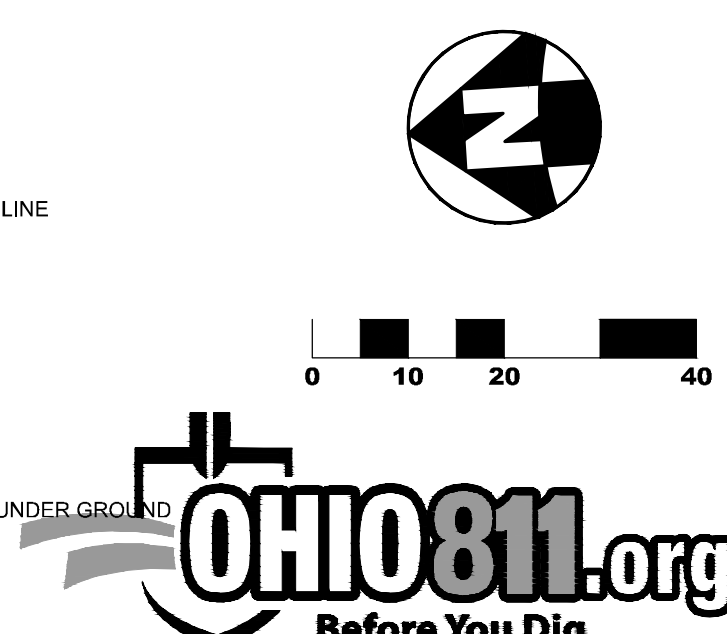
- BENCHMARK
- UTILITY POLE
- GUY WIRE
- DOP UNDERGROUND LIGHTING
- OVERHEAD ELECTRIC
- HVAC UNIT
- TRANSFORMER
- GROUND LIGHT
- ELECTRIC BOX
- LIGHT POLE
- LAMP POST
- ELECTRIC MANHOLE
- UNDERGROUND TELEPHONE
- OVERHEAD TELEPHONE
- TRAFFIC CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGN
- GUARD POST (PIPE BOLLARD)
- ROLLARD
- FLAG POLE
- FENCE
- HARDWOOD TREE
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- GAS MAIN
- GAS VALVE
- UNDERGROUND CABLE TV
- UNDERGROUND FIBER OPTIC
- PULL BOX
- CABLE TV BOX
- WATER MAIN
- FIRE HYDRANT
- WATER VALVE
- SANITARY MANHOLE
- CLEAN OUT
- SANITARY SEWER
- STORM MANHOLE
- STORM SEWER
- CATCH BASIN
- INLET
- YARD DRAIN
- DOWN SPOUT

DEMOLITION LEGEND

- REMOVE FENCE
- FULL DEPTH ASPHALT PAVEMENT REMOVAL
- FULL DEPTH CONCRETE PAVEMENT REMOVAL
- SAWCUT LINE
- REMOVE/ABANDON UTILITY LINE
- REMOVE TREE/BUSH

CODED NOTES

- REMOVE EXISTING GATE AND POSTS
- REMOVE EXISTING LIGHTPOLE
- REMOVE EXISTING TREE/BUSH
- REMOVE ALL EXISTING FENCE ALONG PROPERTY LINE
- REMOVE EXISTING CURB
- SAW CUT WALK AT NEAREST JOINT
- RELOCATE EXISTING UTILITY POLE
- EXISTING OVERHEAD UTILITY TO BE RELOCATED UNDER GROUND



EASEMENT REFERENCE			REVISIONS			
CITY NO.	COUNTY RECORD VOL.	PAGE	GRANTOR	NO.	DESCRIPTION	DATE

PLAN PREPARED BY:

THE KLEINGERS GROUP

CIVIL ENGINEERING | www.kleingers.com
 SURVEYING | 350 Worthington Rd
 LANDSCAPE | Suite H
 ARCHITECTURE | Westerville, OH 43082
 614.882.4311

PROJECT TITLE:		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO DEMOLITION PLAN		DIVISION USE ONLY	
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED	SCALE: 1" = 20'	SHEET: 3/10
RPD	CHK	CID	CONDR
INDEX	DETAIL	RECORD	FILE
		CONTRACT DRAWING NO. CC-20288	RECORD PLAN NO.

DATE: 03-08-2024 13	

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
 456 ST CLAIR AVE.
 COLUMBUS OH 43202
 FOR NATIONAL CHURCH RESIDENCES

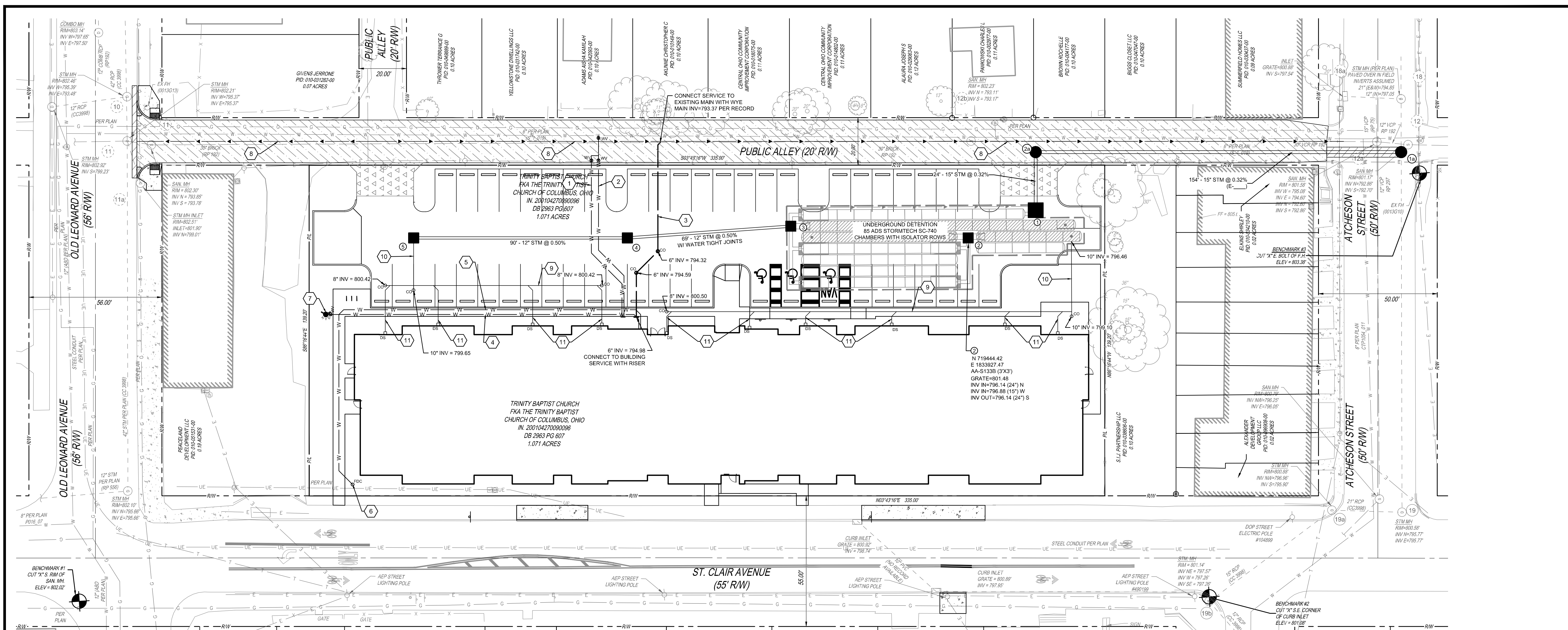
300 SPRUCE STREET
 SUITE 300
 COLUMBUS, OHIO 43215
 PHONE: (614) 461-4664
 FAX: (614) 280-8881
 CERTIFICATE NO: FIRM 00197475

Moody Nolan

DRAWING TITLE: **DEMOLITION PLAN**

	02/15/2024
DRAWN BY: DJM	CHECKED BY: MJC
	22186.00
	C103
	PERMIT SET

PROGRESS DRAWING NOT FOR CONSTRUCTION



CODED NOTES

- 1 2" DOMESTIC WATER SERVICE PER WSP-7010
- 2 6" FIRE WATER SERVICE PER WSP-7010
- 3 6" SANITARY SERVICE @ 2.08% MINIMUM
- 4 6" FIRE PROTECTION SYSTEM PER WSP-7010
- 5 4" FDC LINE PER WSP-7010
- 6 FIRE DEPARTMENT CONNECTION PER WSP-7010
- 7 PRIVATE FIRE HYDRANT, TYPE A ASSEMBLY PER WSP-7010
- 8 4" UNDERDRAIN PER 4047 - E
- 9 8" STM DOWNSPOUT COLLECTOR @ 0.75% MIN
- 10 10" STM DOWNSPOUT COLLECTOR @ 0.56% MIN
- 11 6" STM DOWNSPOUT @ 1.04% MIN.

NOTES:

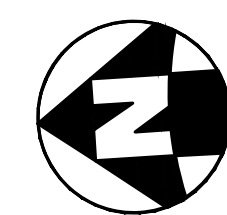
1. PRIOR TO ANY CONSTRUCTION CONTRACTOR SHALL LOCATE AND EXPOSE EXISTING UTILITIES AND NOTIFY ENGINEER IF ANY CONFLICTS OCCUR.
2. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITIES WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

SANITARY NOTES:

1. SANITARY SERVICES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES. THEIR LOCATIONS, CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT ST FOR SANITARY SERVICE APPROVAL.
2. CONNECTION TO SEWER CANNOT BE MADE WITHOUT OBTAINING A PERMIT FROM SEWER PERMIT OFFICE AT 111 N FRONT STREET, 1ST FLOOR (614-645-7490).

PROPOSED LEGEND

- STM STORM SEWER PIPE
- STORM CATCH BASIN
- STORM MANHOLE
- STORM CLEANOUT
- DOWNSPOUT
- SAN SANITARY SEWER PIPE
- SANITARY CLEANOUT
- W WATERLINE PIPE PER WSP-7010
- FIRE HYDRANT PER WSP-7010
- WATER VALVE PER WSP-7010
- 4" PIPE UNDERDRAIN



DATE: 03-08-2024 13

EASEMENT REFERENCE			REVISIONS			PLAN PREPARED BY:		PROJECT TITLE:		CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE			
CITY NO.	COUNTY RECORD		GRANTOR	NO.	DESCRIPTION	DATE		SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO UTILITY PLAN		DIVISION USE ONLY			
	VOL.	PAGE								OWNER CONTRACTOR INSPECTOR		SCALE: 1" = 20'	SHEET: 4/10
							THE KLEINGERS GROUP	CIVIL ENGINEERING www.kleingers.com SURVEYING 350 Worthington Rd LANDSCAPE ARCHITECTURE Suite 11 Westerville, OH 43082 614.882.4311		AGREEMENT RPD / CHK	COMPLETED CID / CONDR	CONTRACT DRAWING NO. CC-20288	RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING

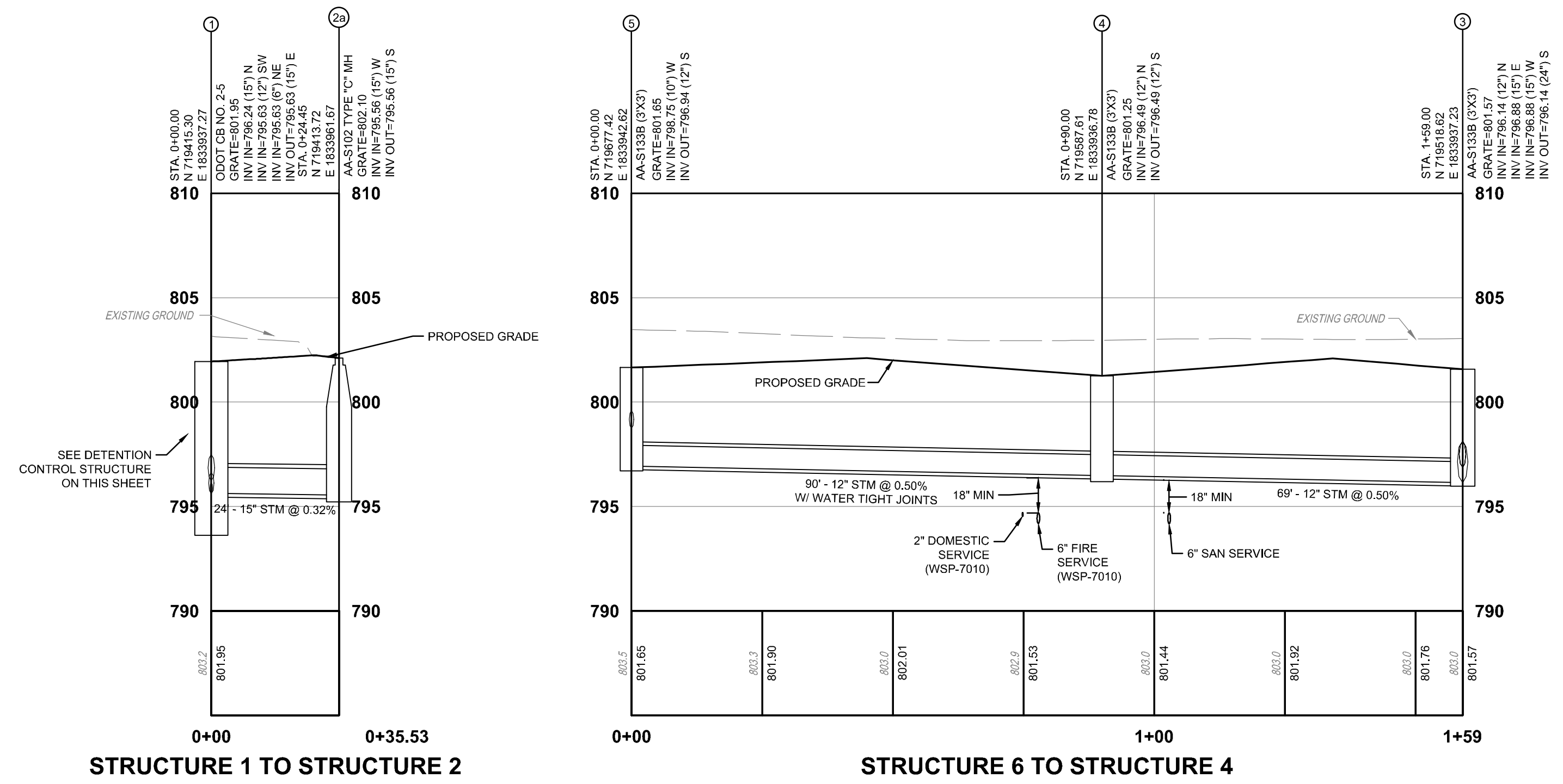
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

Moody Nolan

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

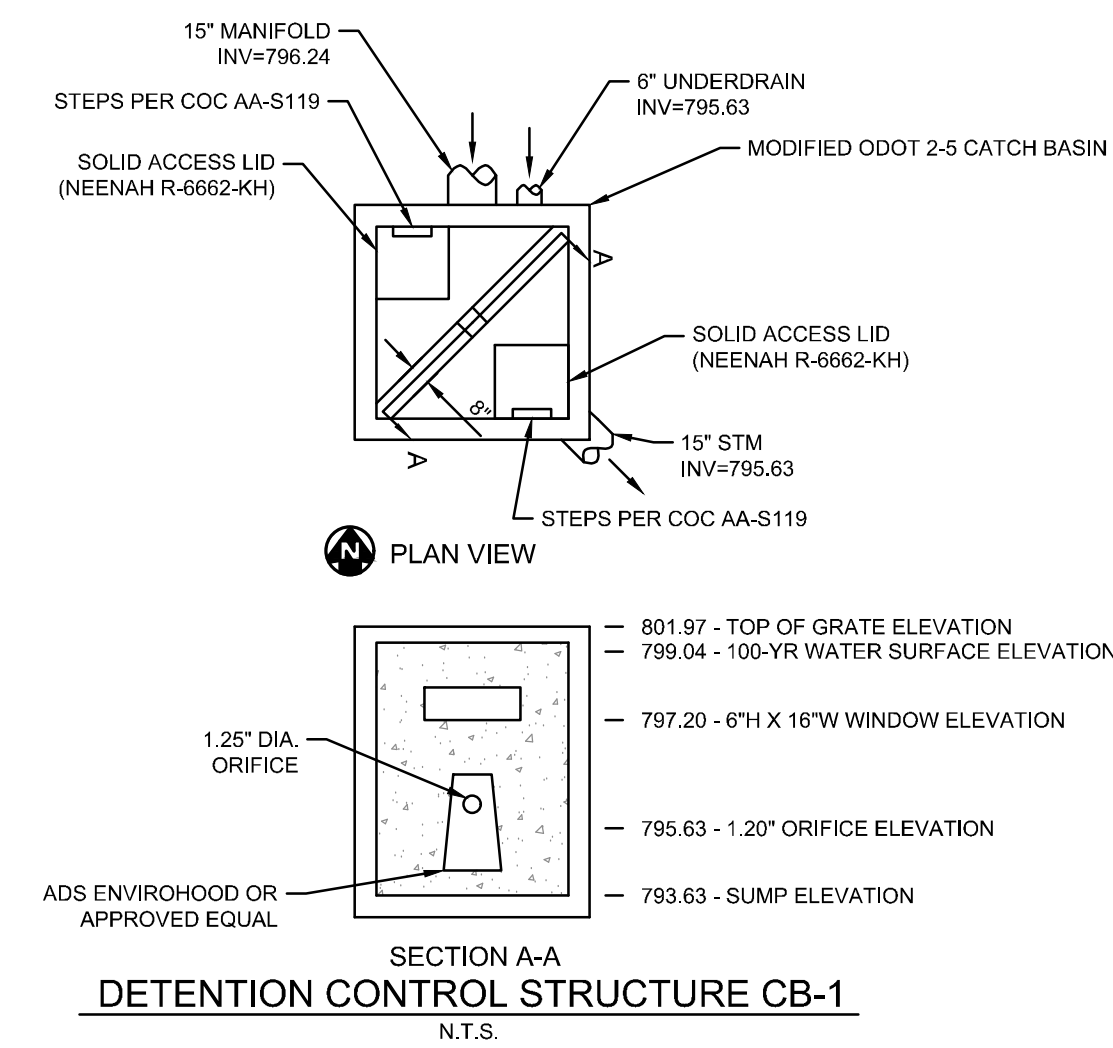
UTILITY PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	C104	
PERMIT SET		



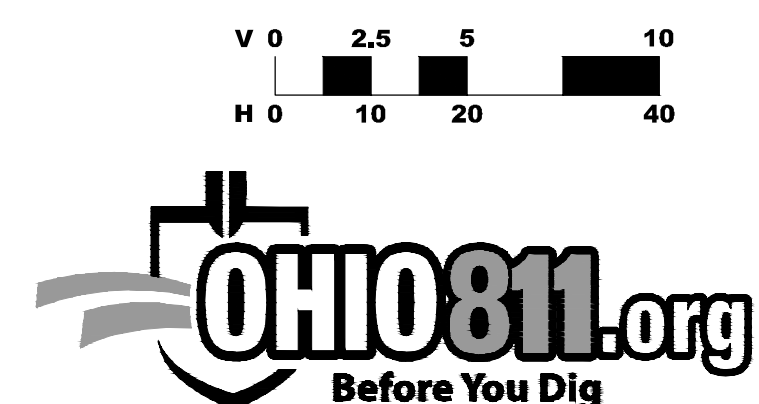
OHIO SOUTH COORDINATES				
STR. NO.	PLAN		AS-BUILT	
	NORTHING	EASTING	NORTHING	EASTING
1	719415.30	1833937.27		
2	719444.42	1833927.47		
3	719518.62	1833937.23		
4	719587.61	1833936.78		
5	719877.42	1833942.62		

STORM PIPES		
STR - STR	BEARING	DISTANCE
4 - 3	S00° 22' 20.52"E	69.00
1 - 2a	S86° 16' 43.80"E	24.45
5 - 4	S03° 43' 16.20"W	90.00



- NOTES:**
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS. USE CAUTION WHEN EXCAVATING. IF EXISTING UTILITIES ARE IN CONFLICT WITH PROPOSED UTILITIES, PLEASE NOTIFY THE DESIGN ENGINEER. ALL BACKFILL SHOULD BE PER CITY OF COLUMBUS ITEM 912 (TYPE 1 ONLY) UNLESS OTHERWISE SPECIFIED.
 - * BACKFILL PER CITY OF COLUMBUS ITEM 912.
 - ALL ELEVATION ON THIS PLAN ARE BASED ON NAVD 1988 DATUM UNLESS OTHERWISE NOTED.
 - ALL EXISTING UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED IN ADVANCE IF ANY CONFLICTS ARISE.
 - PROVIDE TRENCHES, BEDDING AND BACKFILL IN ACCORDANCE WITH THE CITY OF COLUMBUS DSD STANDARD DRAWINGS AND CMSC.
 - BACKFILL SHALL BE PLACED IN LIFTS OF 6" OR LESS IN ACCORDANCE WITH CMSC 901-17.

PROFILE VERTICAL DATUM = NAVD 88



EASEMENT REFERENCE			REVISIONS			PLAN PREPARED BY: CIVIL ENGINEERING www.kleingers.com SURVEYING 350 Worthington Rd LANDSCAPE ARCHITECTURE Suite H Westerville, OH 43082 614.882.4311	PROJECT TITLE: SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO STORM SEWER PROFILES	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY		
CITY NO.	COUNTY RECORD VOL. PAGE	GRANTOR	NO.	DESCRIPTION	DATE			OWNER CONTRACTOR INSPECTOR	SCALE: H: 1"=20' V: 1"=5'	SHEET: 5/10
							AGREEMENT	COMPLETED	CONTRACT DRAWING NO. CC-20288	RECORD PLAN NO.
							RPD	CHK	CID	CONDR
							INDEX	DETAIL	RECORD	FILE

#	DATE	CHANGE DESCRIPTION

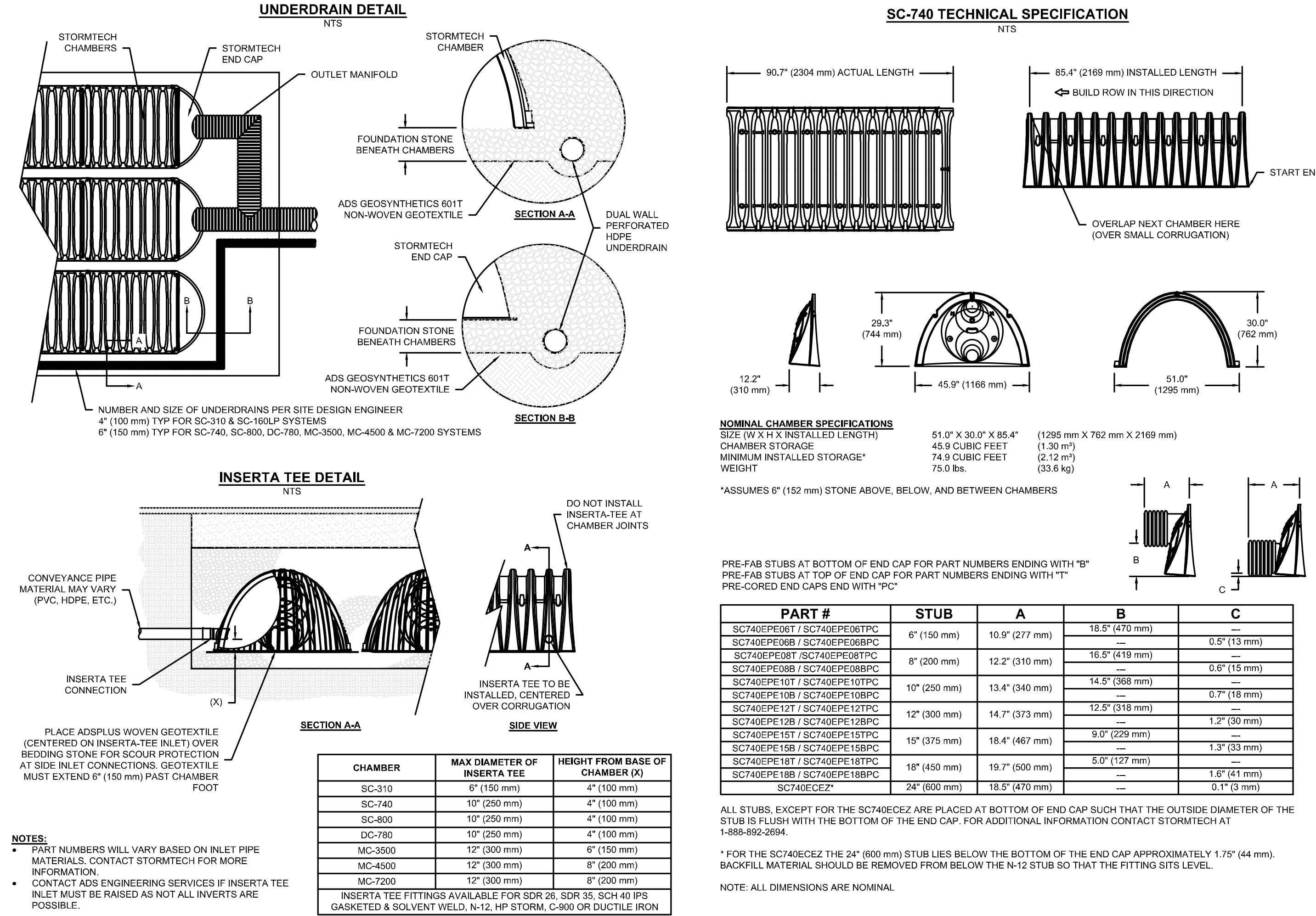
SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

Moody Nolan

DRAWING TITLE:
STORM SEWER PROFILES

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024 DRAWN BY: DJM 22186.00 C105 PERMIT SET	CHECKED BY: MJC
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DATE: 03-08-2024 13

EASEMENT REFERENCE				REVISIONS		PLAN PREPARED BY: CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE www.kleingers.com 350 Worthington Rd Suite H Westerville, OH 43082 614.882.4311	PROJECT TITLE: SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO UNDERGROUND DETENTION DETAILS	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY																	
CITY NO.	COUNTY RECORD VOL.	PAGE	GRANTOR	NO.	DESCRIPTION				DATE																
						<table border="1"> <tr> <td colspan="2">DIVISION USE ONLY</td> <td>OWNER</td> </tr> <tr> <td colspan="2"> </td> <td>CONTRACTOR</td> </tr> <tr> <td colspan="2"> </td> <td>INSPECTOR</td> </tr> <tr> <td>AGREEMENT</td> <td>COMPLETED</td> <td> </td> </tr> <tr> <td>RPD</td> <td>CHK</td> <td>CID</td> </tr> <tr> <td>INDEX</td> <td>DETAIL</td> <td>RECORD FILE</td> </tr> </table>		DIVISION USE ONLY		OWNER			CONTRACTOR			INSPECTOR	AGREEMENT	COMPLETED		RPD	CHK	CID	INDEX	DETAIL	RECORD FILE
DIVISION USE ONLY		OWNER																							
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		INSPECTOR																							
AGREEMENT	COMPLETED																								
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#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

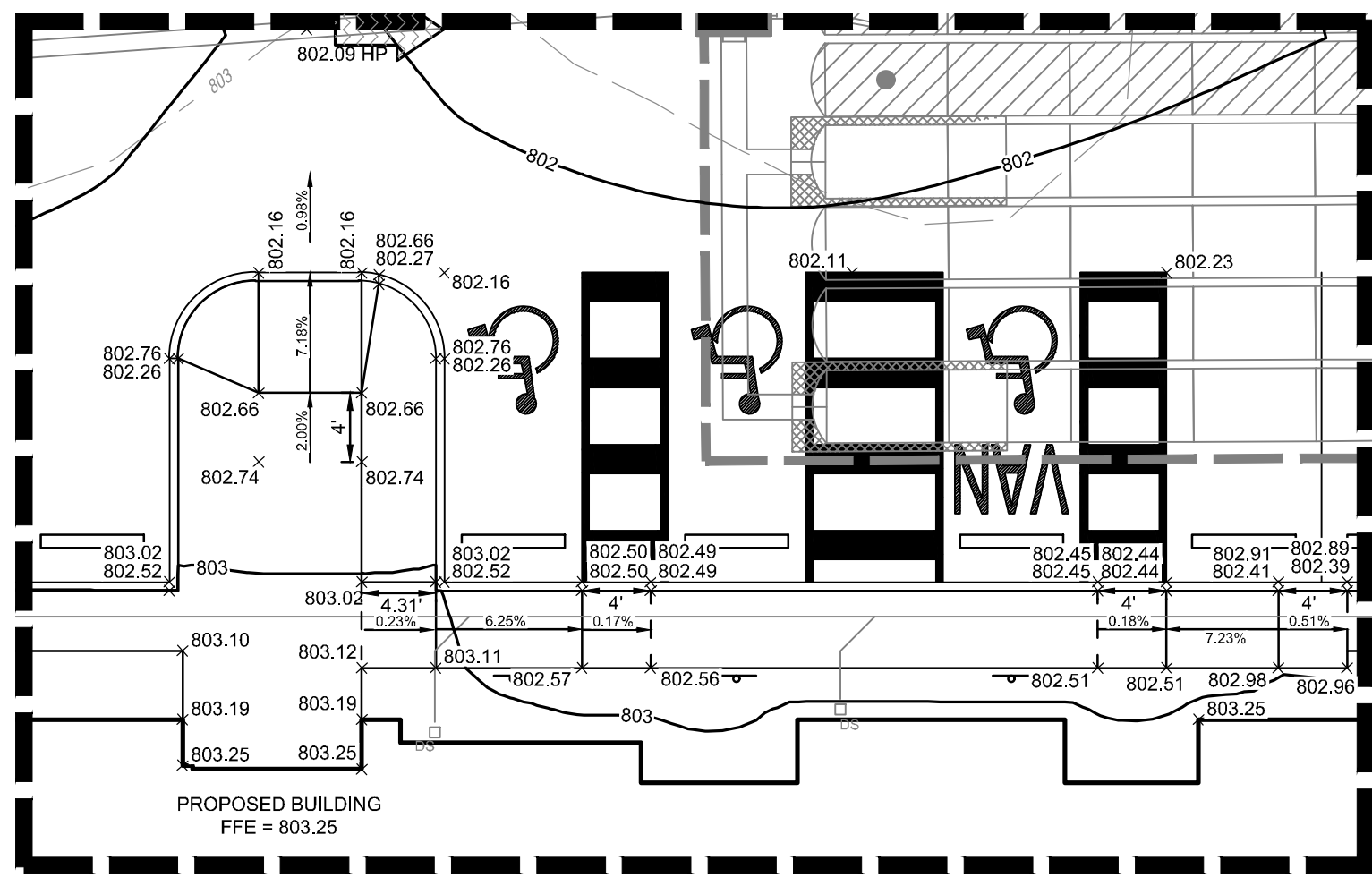
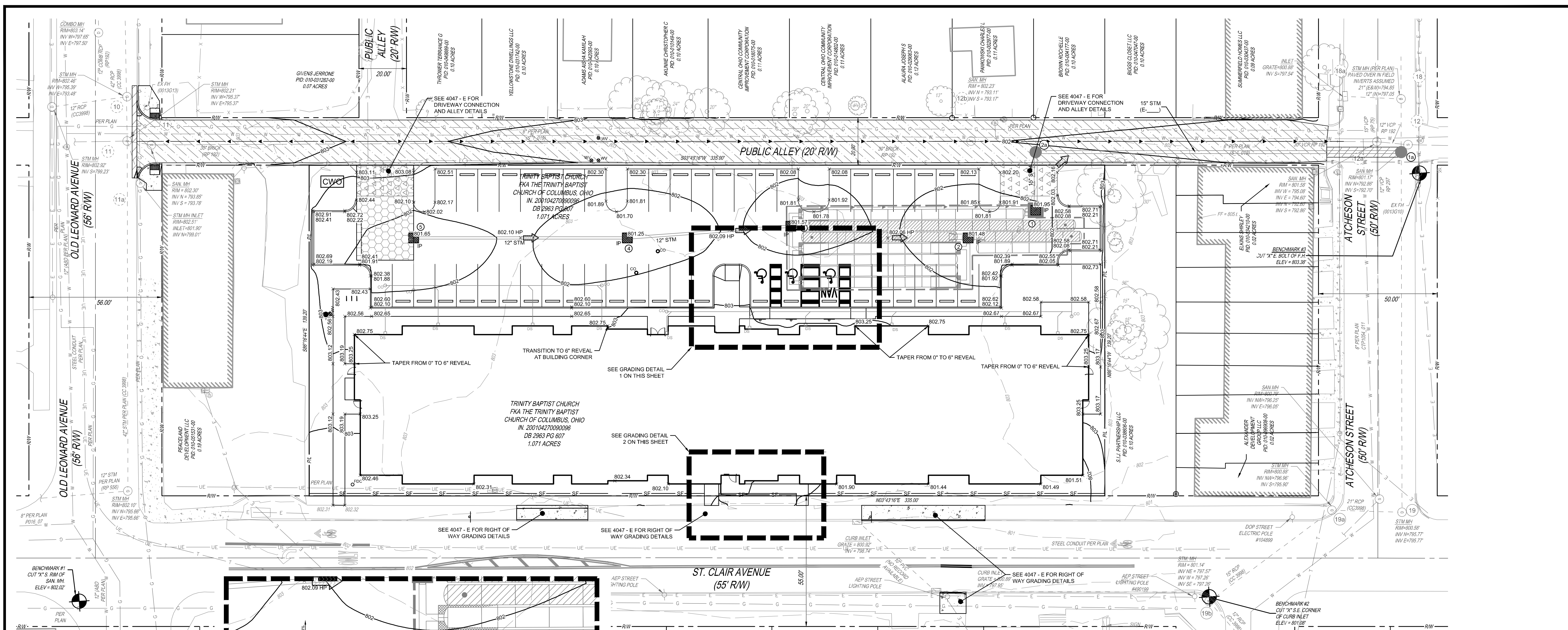
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

Moody Nolan

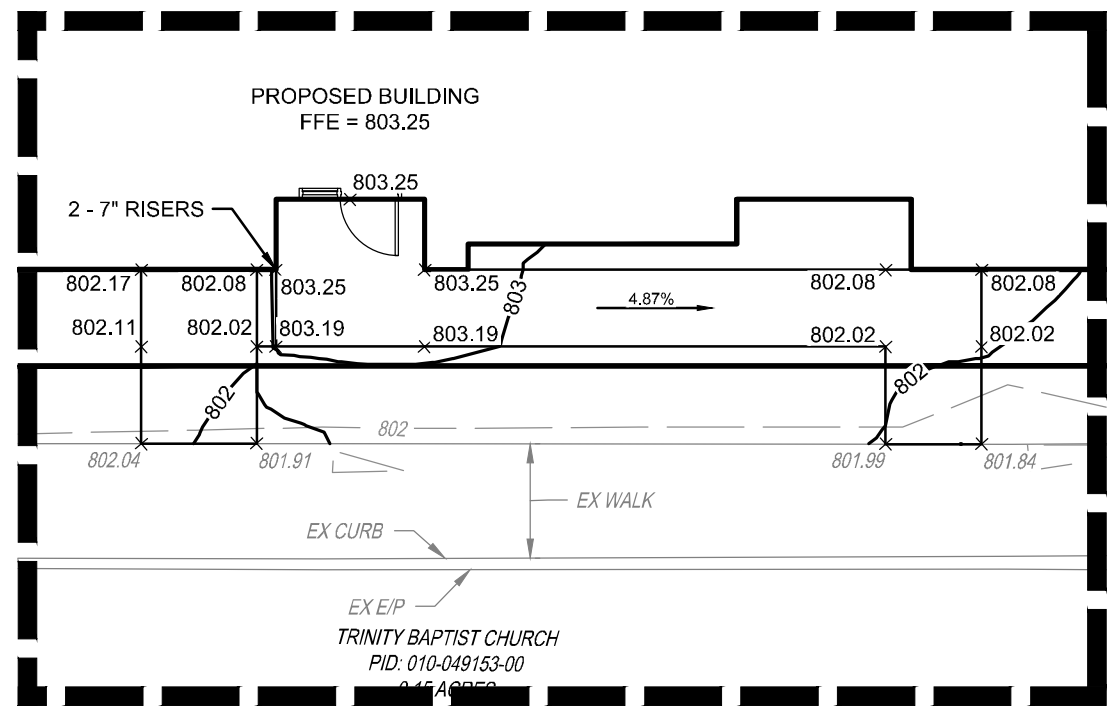
**DRAWING TITLE:
UNDERGROUND DETENTION
DETAILS**

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
	C107	

PERMIT SET



GRADING DETAIL 1
SCALE: 1" = 10'



GRADING DETAIL 2
SCALE: 1" = 10'

- EROSION CONTROL LEGEND**
- IP INLET PROTECTION. SEE DETAIL ON SHEET 10
 - SF SILT FENCE. SEE DETAIL ON SHEET 10
 - CWO CONCRETE WASHOUT. SEE DETAIL ON SHEET 10
 - CE CONSTRUCTION ENTRANCE. SEE DETAIL ON SHEET 10

- GRADING LEGEND**
- 800 EXISTING MAJOR CONTOUR
 - 805 EXISTING MINOR CONTOUR
 - 860 PROPOSED MAJOR CONTOUR
 - 859 PROPOSED MINOR CONTOUR
 - 100-YEAR FLOOD ROUTE
 - 844.48 X PROPOSED SPOT ELEVATION
 - 844.48 HP X PROPOSED HIGH POINT SPOT ELEVATION
 - 844.01 X EXISTING SPOT ELEVATION



DATE: 03-08-2024 13

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORD VOL.	PAGE GRANTOR	NO.	DESCRIPTION	DATE

PLAN PREPARED BY:

THE KLEINGERS GROUP

CIVIL ENGINEERING | www.kleingers.com
SURVEYING | 350 Worthington Rd
LANDSCAPE ARCHITECTURE | Suite 11
Westerville, OH 43082
614.882.4311

PROJECT TITLE:	SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO GRADING AND EROSION CONTROL PLAN
DIVISION USE ONLY	OWNER CONTRACTOR INSPECTOR
	AGREEMENT RPD COMPLETED CHK CID CONDR INDEX RECORD DETAIL FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY	
SCALE: 1" = 20'	SHEET: 8/10
CONTRACT DRAWING NO. CC-20288	RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING

456 ST CLAIR AVE.
COLUMBUS OH 43202

NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

Moody Nolan

DRAWING TITLE:
GRADING AND EROSION CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	2/21/2024	CHECKED BY: MJC
	22186.00	
	C108	
	PERMIT SET	

PROJECT DATA

PLAN DESIGNER: THE KLEINGERS GROUP 350 WORTHINGTON RD, SUITE H WESTERVILLE, OH 43082... OWNER: NATIONAL CHURCH RESIDENCES 2245 NORTH BANK DRIVE COLUMBUS, OH 43220... ARCHITECT: MOODY NOLAN 300 SPRUCE ST SUITE 300 COLUMBUS, OH 43215...

CONSTRUCTION SEQUENCE

- TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS, COORDINATION OF THE CONTRACTOR'S WORK CREWS WILL BE REQUIRED. INLET PROTECTION AND PERIMETER CONTROLS WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION WORK...

EMERGENCY ACTION & SPILL PREVENTION PLAN

THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP. IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE...

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH A REVISION IN APRIL 2022. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA. THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS. ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGHOUT THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

STABILIZATION PRACTICES

TABLE 1: PERMANENT STABILIZATION. TABLE 2: TEMPORARY STABILIZATION. TABLES detailing area requirements and time frames for erosion control measures.

SEEDING & MULCHING

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL. TABLE detailing seed types, quantities per 1,000 sq ft and per acre, and fertilizer requirements.

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES.

INSPECTIONS

ALL BMPs ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPs SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

Table with 4 columns: Adhesive, Water Dilution (Adhesive:Water), Nozzle Type, Application Rate (Gal/Ac). Lists various adhesive options for dust control.

OWNER: NATIONAL CHURCH RESIDENCES ADDRESS: 2245 NORTH BANK DRIVE, COLUMBUS, OH 43220 PHONE: (614) 332-1714 CONTACT: SARAJANE STEFFES EMAIL: ssteffes@nationalchurchresidences.org



EASEMENT REFERENCE table with columns: CITY NO., COUNTY RECORD (VOL, PAGE), GRANTOR, NO., DESCRIPTION, DATE.

THE KLEINGERS GROUP logo and contact information: CIVIL ENGINEERING | www.kleingers.com SURVEYING | 350 Worthington Rd Suite H Westerville, OH 43082 LANDSCAPE ARCHITECTURE | 614.882.4311

PLAN PREPARED BY: THE KLEINGERS GROUP

PROJECT TITLE: SCARBOROUGH SENIOR HOUSING 480 ST. CLAIR AVE. CITY OF COLUMBUS FRANKLIN COUNTY, OHIO EROSION CONTROL NOTES

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY. SCALE: CONTRACT DRAWING NO. CC-20288 SHEET: 9/10 RECORD PLAN NO.

Table with 3 columns: #, DATE, CHANGE DESCRIPTION. Includes a date stamp: DATE: 03-08-2024 13

SCARBOROUGH SENIOR HOUSING logo and address: 456 ST CLAIR AVE. COLUMBUS OH 43202 FOR NATIONAL CHURCH RESIDENCES

Moody Nolan logo and contact information: 300 SPRUCE STREET SUITE 300 COLUMBUS, OHIO 43215 PHONE: (614) 461-4664 FAX: (614) 280-8881 CERTIFICATE NO: FIRM 00197475

EROSION CONTROL NOTES

02/15/2024 DRAWN BY: DJM CHECKED BY: MJC 22186.00 C109 PERMIT SET

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

- 1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

- 1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- 1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SIFWOUTS, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-3379), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDP).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS:

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANGE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A Diked AREA CAPABLE OF HOLDING 100% OF THE TANK CAPACITY.

FERTILIZERS

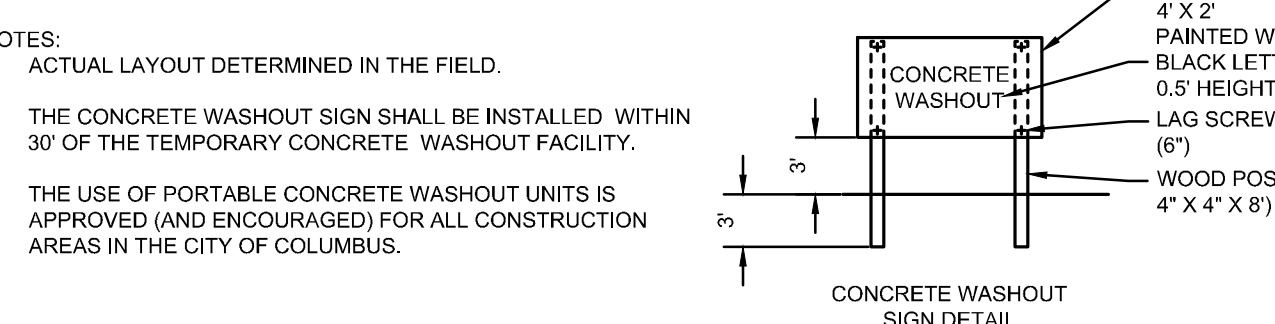
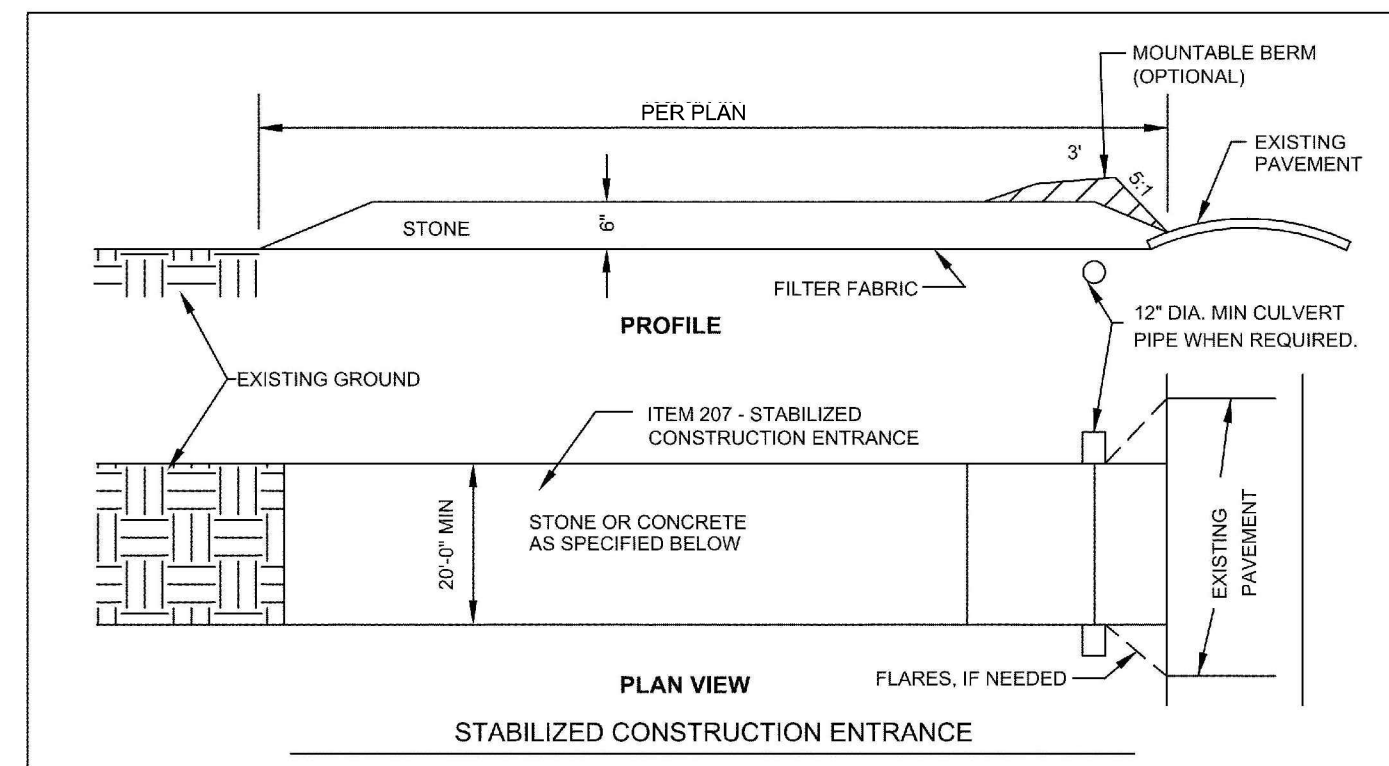
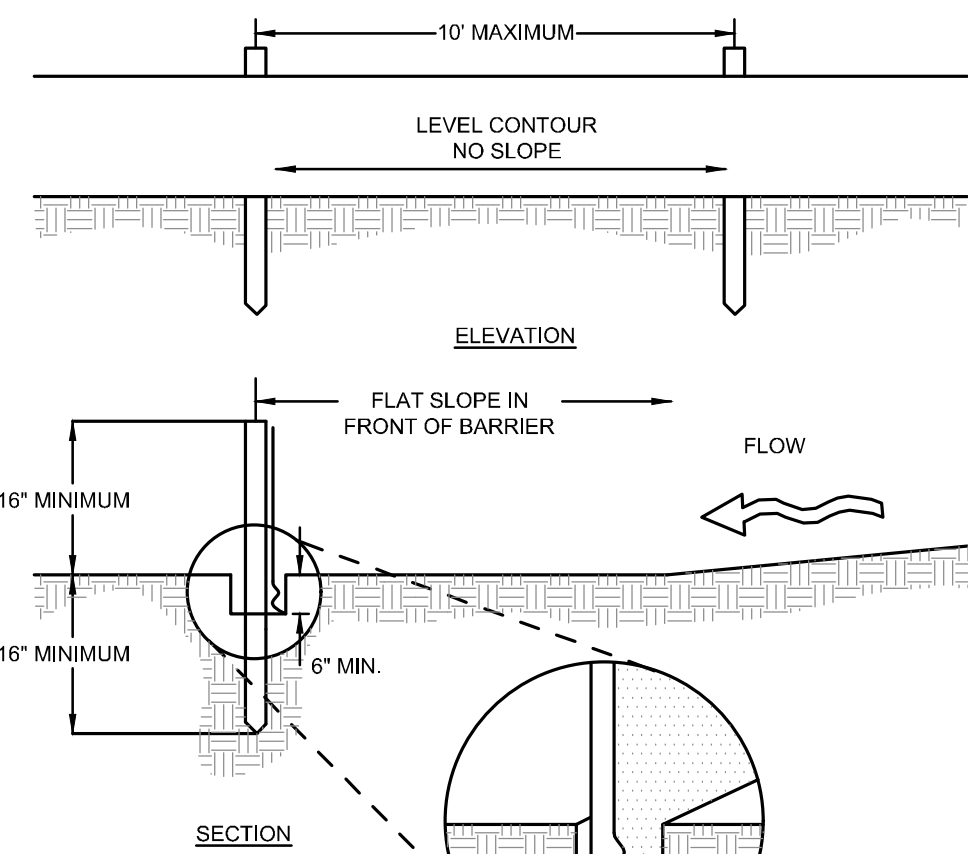
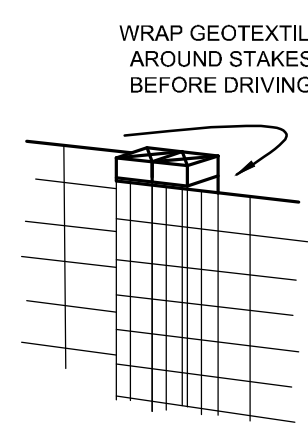
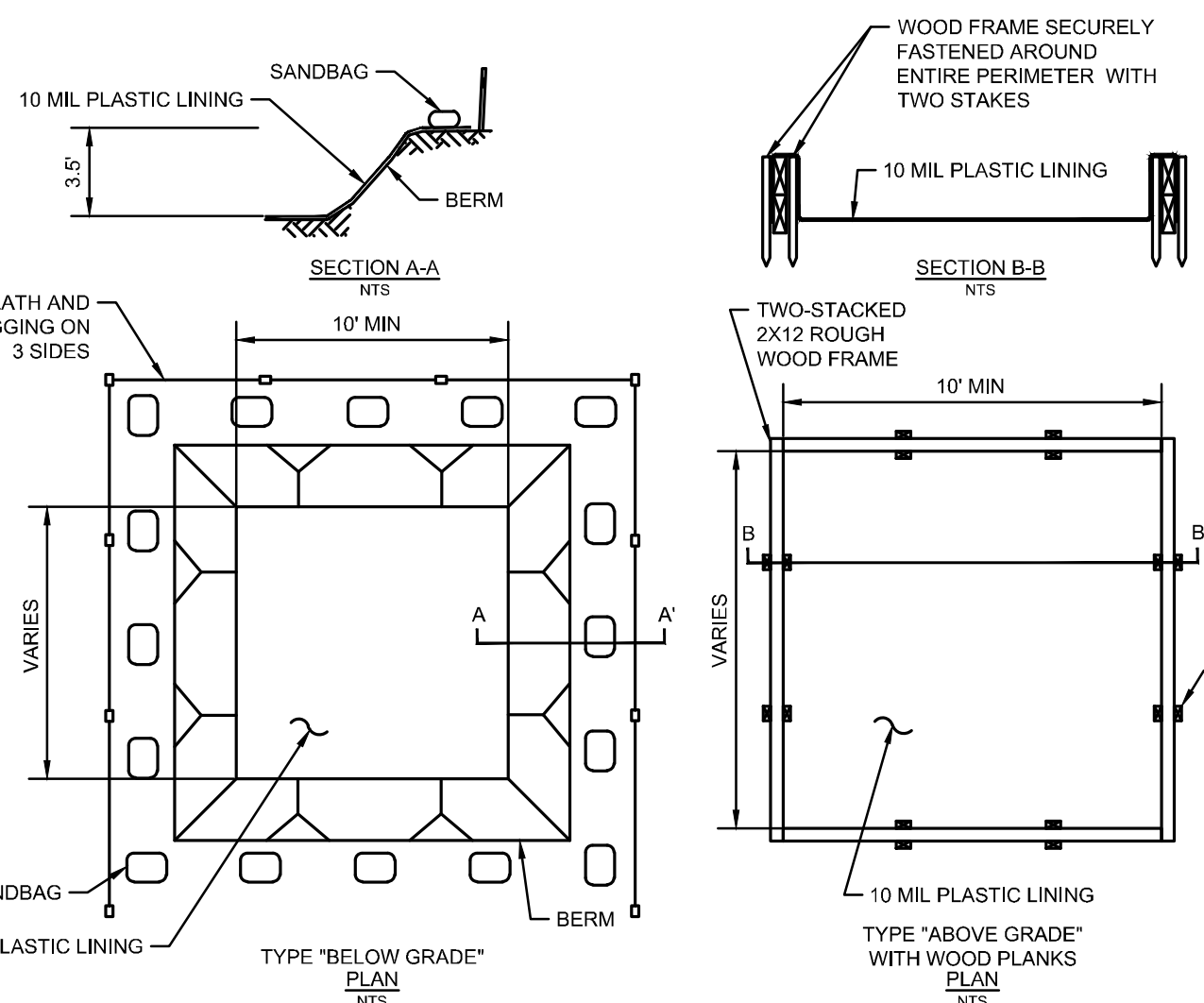
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER, ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO MIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A BUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE BUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.



CONCRETE WASHOUT DETAIL N.T.S.

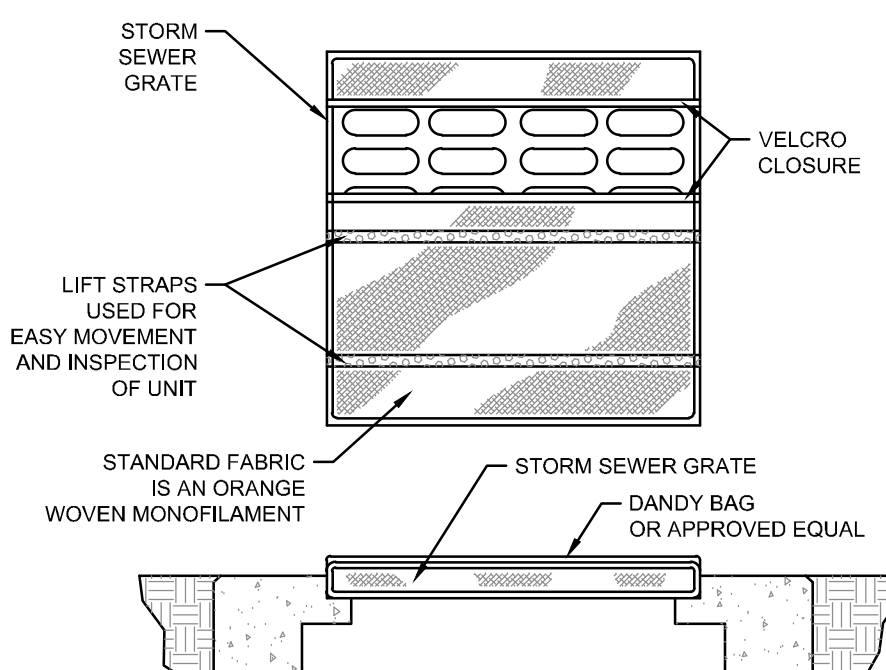


Table with 4 columns: MECHANICAL PROPERTIES, TEST METHOD, UNITS, MARV. Rows include Grab Tensile Strength, Grab Tensile Elongation, Puncture Strength, Mullen Burst Strength, Trapezoid Tear Strength, UV Resistance, Apparent Opening Size, Flow Rate, and Permittivity.

INSTALLATION: THE EMPTY DANDY BAG SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

DANDY BAG DETAIL N.T.S.

- NOTES:
1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER POUNDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.

SILT FENCE DETAIL N.T.S.

NOTE: THE USE OF STRAW WATTLES HAS BEEN PROVEN TO BE A VERSATILE AND EFFECTIVE EROSION CONTROL MEASURE, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE. STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12" IN DIAMETER PER THE OSPA.

THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTIONS SITES.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS

- 1. FENCE POST - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-8Y-2-IN, NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
2. SILT FENCE FABRIC - SEE CHART BELOW.

Table with 3 columns: FABRIC PROPERTIES, VALUES, TEST METHOD. Rows include Minimum Tensile Strength, Maximum Elongation at 60 LBS, Minimum Puncture Strength, Minimum Tear Strength, Apparent Opening Size, and UV Exposure Strength Retention.

Table with 2 main sections: EASEMENT REFERENCE and REVISIONS. EASEMENT REFERENCE includes City No., County Record, Grantor, and Date. REVISIONS includes No., Description, and Date.

PLAN PREPARED BY: THE KLEINGERS GROUP. CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE. www.kleingers.com. 350 Worthington Rd Suite 100 Westerville, OH 43082 614.882.4311

Table with 2 columns: PROJECT TITLE and CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE DIVISION USE ONLY.

Table with 2 columns: DIVISION USE ONLY and OWNER. Includes fields for CONTRACTOR, INSPECTOR, AGREEMENT, and COMPLETED.

Table with 2 columns: SCALE and SHEET. Includes fields for CONTRACT DRAWING NO. (CC-20288) and RECORD PLAN NO.



DATE: 03-08-2024 13

Table with 3 columns: #, DATE, CHANGE DESCRIPTION.

SCARBOROUGH SENIOR HOUSING. 456 ST CLAIR AVE. COLUMBUS OH 43202. NATIONAL CHURCH RESIDENCES.

Moody Nolan. 300 SPRUCE STREET SUITE 300 COLUMBUS, OHIO 43215. PHONE: (614) 461-4664. FAX: (614) 280-8881. CERTIFICATE NO: FIRM 00197475

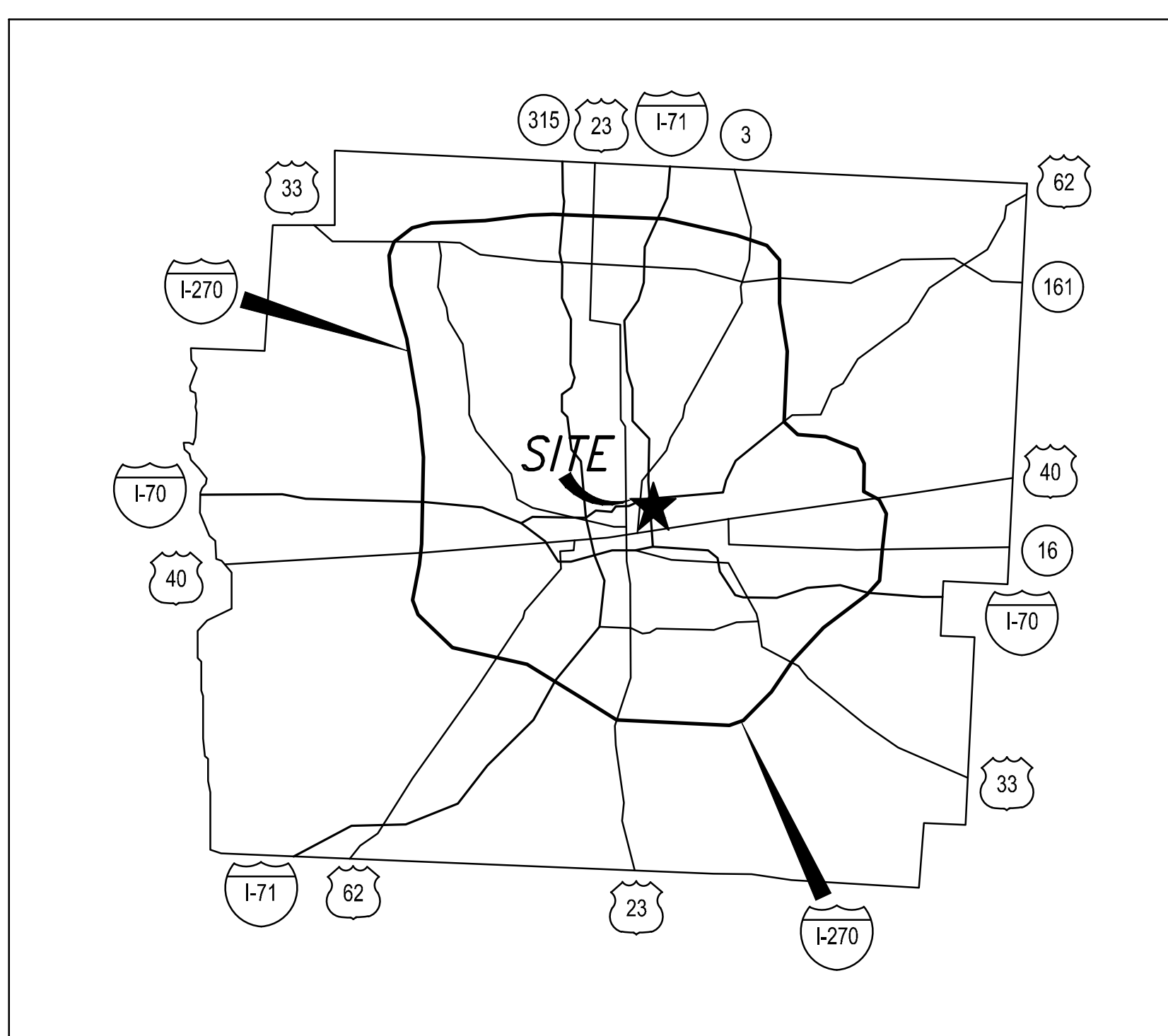
EROSION CONTROL DETAILS

02/15/2024. DRAWN BY: DJM CHECKED BY: MJC. 22186.00. C110. PERMIT SET.

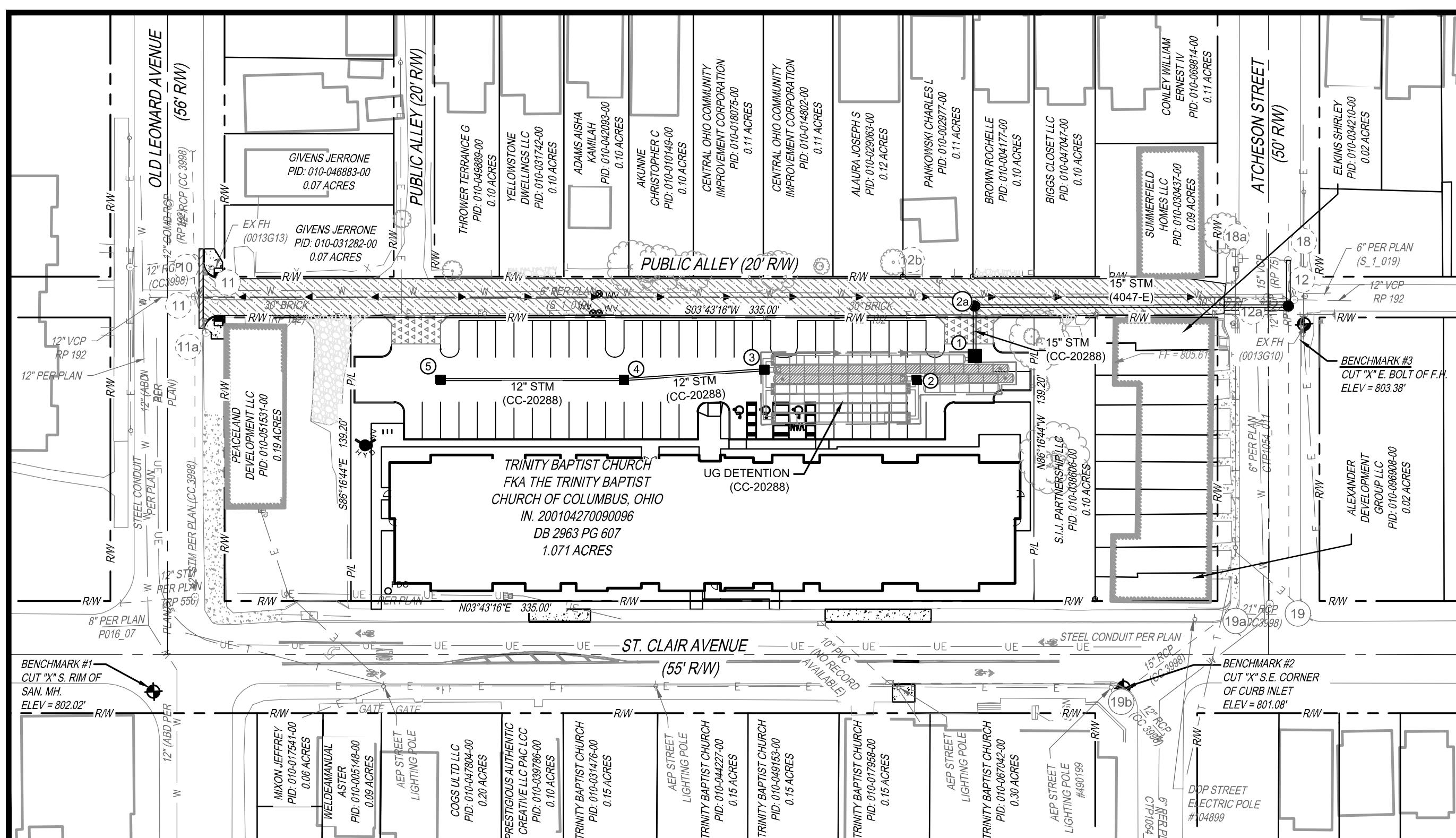
SITE DEVELOPMENT DATA

DEVELOPER:	NATIONAL CHURCH RESIDENTS 2335 NORTH BANK DRIVE CONTACT: MATT BIERLEIN PHONE: (614) 273-3806 EMAIL: MBIERLEIN@NATIONALCHURCHRESIDENTS.ORG
ARCHITECT:	MOODY NOLAN 300 SPRUCE ST SUITE 300 CONTACT: VANITZA BRONGERS-MARRERO PHONE: (614) 461-4664 EMAIL: YBRONGERS-MARRERO@MOODY-NOLAN.COM
SITE ENGINEER:	THE KLEINGERS GROUP 350 WORTHINGTON ROAD SUITE H WESTERVILLE, OH 43082 PHONE: (614) 882-4311 FAX: (614) 882-4479 CONTACT: MIKE COUVREUR EMAIL: mike.couvreur@kleingers.com
EXISTING USE:	PARKING LOT
PROPOSED USE:	MULTI-FAMILY RESIDENTIAL
ZONING DISTRICT:	CPD
ADJACENT ZONING DISTRICTS:	R-2F
SITE AREA:	47,916 SF (1.1 AC)
PROPOSED BUILDING FOOTPRINT AREA:	19,507 SF
BUILDING HEIGHT:	80'
PROPOSED DWELLING UNITS:	84
DWELLING UNIT DENSITY:	90 DU/ACRE
BUILDING LOT COVERAGE:	41%
REQUIRED PARKING SPACES:	63 SPACES
PROVIDED PARKING SPACES:	51 SPACES
REQUIRED BICYCLE SPACES:	6
PROVIDED BICYCLE SPACES:	6
FLOOD ZONE DESIGNATION:	ZONE "X" MAP 39049C0326K, 06/17/2008
REQUIRED DWELLING UNIT TREES:	9
PROVIDED DWELLING UNIT TREES:	9
REQUIRED PARKING LOT SHADE TREES:	6
PROVIDED PARKING LOT SHADE TREES:	6

CITY OF COLUMBUS, FRANKLIN COUNTY, OHIO
FINAL SITE COMPLIANCE PLAN
FOR
NATIONAL CHURCH RESIDENCES
SCARBOROUGH
494 SAINT CLAIR AVE
PID: 010-004474
ZONING: CPD
BUILDING PERMIT: NEWM2408504



THE PROJECT WILL COMPLY WITH SECTIONS 3321.01 DUMPSTER; 3321.07 LANDSCAPE; 3321.03 LIGHTING; 3312.21 SCREENS; 3312.39 STRIPING/MARKING; 3312.43 SURFACE AND 3312.45 WHEEL STOPS/CURB.



Columbus Division of Water Fire Flow Test

FLOW TEST ID	3572	NO. OF TEST RUN	1	ATLAS PAGE	0
FLOW HYDRANT 1	1W OF 1ST ALLEY W/O N GARFIELD AVE				
FLOW HYDRANT 2	NONE				
PRESSURE HYDRANT	1E OF 1ST ALLEY W/O N GARFIELD AVE				
PRESSURE HYDRANT ID	0013G13				
DATE	11/30/2023	PIPE SIZE	6"		
TIME	12:55:00 PM	ELEVATION	802'		
STATIC PRESSURE	80 psi	HYDRANT OWNER	COLUMBUS		
RESIDUAL PRESSURE	69 psi	COEFFICIENT	0.93		
PITOT 1	6 psi	REMARKS			
PITOT 2	NONE psi				
OUTLET	4" DIFF				
FLOW (GPM)	1110				
FLOW@20 PSI	2830				
WATER DISTRICT	EAST				
	CH 985'	HGL 986'			

Please remember when reviewing the results of the flow test that varying factors could change the results. I.e., hourly fluctuations in water levels at the City of Columbus water tanks, changes in consumer demands in the area of the flow test, and seasonal changes in water plant discharge pressures. The net effect of these changes will normally shift static pressures by no more than five (5) to fifteen (15) psi.

- E-STREET CONSTRUCTION PLAN, THE CONSTRUCTION AGREEMENT, SURETY AND INSPECTION FEES MUST BE TAKEN CARE OF BEFORE A BUILDING PERMIT WILL BE ISSUED.
- PERMIT FOR STREET EXCAVATION/OCCUPANCY
- CC-STORM WATER PLAN
- CC-SANITARY SEWER PLAN
- SANITARY SEWER TAP PERMIT
- WATER SERVICE PLAN
- EASEMENTS FOR UTILITIES AND/OR SIDEWALKS
- LOT SPLIT
- LOT COMBINATION
- ZONING VARIANCE
- OTHER: _____



SHEET INDEX

1 - TITLE SHEET	(C201)
2 - LOCATION PLAN	(C202)
3 - SCREENING DETAILS	(C203)
4 - GRADING AND UTILITY PLAN	(C204)

SITE DATA TABLE

TOTAL SITE AREA:	1.07 ACRES
TOTAL DISTURBED AREA:	1.36 ACRES
RAW ONLY DISTURBED AREA:	0.39 ACRES
PRE-DEV. IMPERVIOUS AREA:	0.96 ACRES
POST-DEV. IMPERVIOUS AREA:	1.00 ACRES

- FIRE DEPARTMENT NOTES:**
- WHERE SECURITY GATES ARE INSTALLED, THEY SHALL HAVE AN APPROVED MEANS OF EMERGENCY ENTRY. CURRENTLY USE KNOX BRAND PRODUCTS FOR ENTRY. OFC 503.2.5
 - ALL FDOS MUST HAVE LOCKING KNOX CAPS. OFC 912.3.1
 - EMERGENCY RESPONDER RADIO COVERAGE. ALL NEW BUILDINGS SHALL HAVE APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING (THE TEST IS DONE BY A 3RD PARTY). EXISTING BUILDING OWNERS SHALL CONDUCT A TEST OF THE EFRS COVERAGE WHEN A CHANGE OF USE OCCURS, CHANGE OF INTENDED USE THAT HAS THE POTENTIAL TO INCREASE THE LEVEL OF RISK, OR WHEN THE PROPOSED CONSTRUCTION COSTS OF THE RENOVATION OR ADDITION EXCEED 25% OF THE "FULL AND FAIR CASH VALUE" OF THE BUILDING BASED UPON ALL WORK COMPLETED WITH A 36 MONTH PERIOD. OFC 510
 - CITY OF COLUMBUS IS REQUIRING THE USE OF THE RAPID KEY ENTRY SYSTEM. KNOX ENTRY REQUIRED FOR EACH SECURED TENANT SPACE. OFC 506.1
 - GENERATORS AND FUEL TANKS MUST HAVE:
 - VEHICLE IMPACT PROTECTION. OFC SECTION 312
 - SECURITY AGAINST UNAUTHORIZED ENTRY. OFC 570A.1.2
 - AN APPROVED LOCATION BY THE DIVISION OF FIRE BUISTR INSPECTORS.
 - CONTACT COLUMBUS FIRE BUISTR INSPECTORS AT 614-221-3132 x 75620 OR 614-221-2132 x 75643.

REVISION	DESCRIPTION	SHEET(S)	INITIAL	DATE

PROJECT DESCRIPTION

THIS PROJECT IS LOCATED ON THE EAST SIDE OF ST. CLAIR AVENUE, BETWEEN OLD LEONARD AVENUE AND ATCHESON STREET. THE PROJECT WILL INCLUDE THE CONSTRUCTION OF A NEW BUILDING, PARKING LOT, AND UTILITY WORK ASSOCIATED WITH THE PROPOSED BUILDING.

STORMWATER MANAGEMENT

DISURBANCE AND IMPERVIOUS AREA CREATED BY THE DEVELOPMENT WILL WARRANT STORMWATER QUANTITY AND QUALITY CONTROLS IN ACCORDANCE WITH THE CITY OF COLUMBUS AND OHIO EPA. REFER TO CC-___ FOR STORMWATER MANAGEMENT DETAILS.

FOR THE DIVISION OF POWER

THE DIVISION OF POWER (DOP) MAY HAVE OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL, AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S MATERIAL AND INSTALLATION SPECIFICATIONS (IMS) AND THE CITY OF COLUMBUS' CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS). ANY NEW OR RE-INSTALLED UNDERGROUND STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.08 OF THE CMS MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURES. IMS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT (614) 645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

RECREATION & PARKS NOTES

PUBLIC TREES IN THE RAW OR CITY PROPERTY/PARKLAND MUST BE PROTECTED DURING CONSTRUCTION.

PUBLIC TREE PRESERVATION NOTE

ALL PUBLIC TREES AND THE GROUND BELOW THEIR RESPECTIVE DRIP LINES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECREATION & PARKS (CRP)/CITY FORESTER OR IF THE PUBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL SITE COMPLIANCE PLAN. TREES APPROVED FOR REMOVAL BY CRP/CITY FORESTER SHALL BE PAID FOR UNDER CMSC ITEM 201, CLEARING AND GRUBBING, UNLESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE. ALL CLEARING AND GRUBBING PERFORMED ON CRP PROPERTY, RIGHT-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRP FORESTRY AT forestry@columbus.gov BEFORE WORK IS BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS FLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTON. IF A PUBLIC TREE NEEDS TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE A TREE MITIGATION PLAN TO THE CITY FORESTRY SECTION AT forestry@columbus.gov AND REFER TO THE CRP TREE MITIGATION PLAN GUIDANCE, ANSI A300 AND/OR CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE REPLACEMENT STANDARDS.

PUBLIC TREE PROTECTION NOTE

A TREE PROTECTION PLAN WITH A DRAWING OF ANY WORK LOCATED WITHIN THE DRIP LINE OF A PUBLIC TREE SHALL BE INCLUDED IN THE APPROVED FINAL SITE COMPLIANCE PLAN (FSCP). REFER TO CRP STANDARD DRAWING FOR TREE PROTECTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT, OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED, OR PARKED WITHIN THE DRIP LINE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE "BEST MANAGEMENT PRACTICES - MANAGING TREES DURING CONSTRUCTION" COMPANION PUBLICATION TO ANSI A300 PART 3. IF THERE IS A QUESTION WHETHER A TREE OR NOT NEEDS TO BE PROTECTED, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY SECTION AT forestry@columbus.gov. FAILURE TO CONTACT THE CITY FORESTRY REPRESENTATIVE IN ADVANCE OF CONSTRUCTION WILL RESULT IN THE CONTRACTOR REIMBURSING CITY FORESTRY FOR THE COST OF ANY AND ALL DAMAGE AS DETERMINED BY THE CURRENT ANSI A300/CITY OF COLUMBUS EXECUTIVE ORDER 2015-01 FOR TREE PROTECTION AND REPLACEMENT.

FINAL SITE COMPLIANCE PLAN #				
DRAWER E #	DPS WORK IN THE RIGHT-OF-WAY		NO DPS IMPROVEMENTS IN THE RIGHT OF WAY	OTHER ASSOCIATED PLANS
	OR	STORM CC #		
4047 - E		CC-20288		

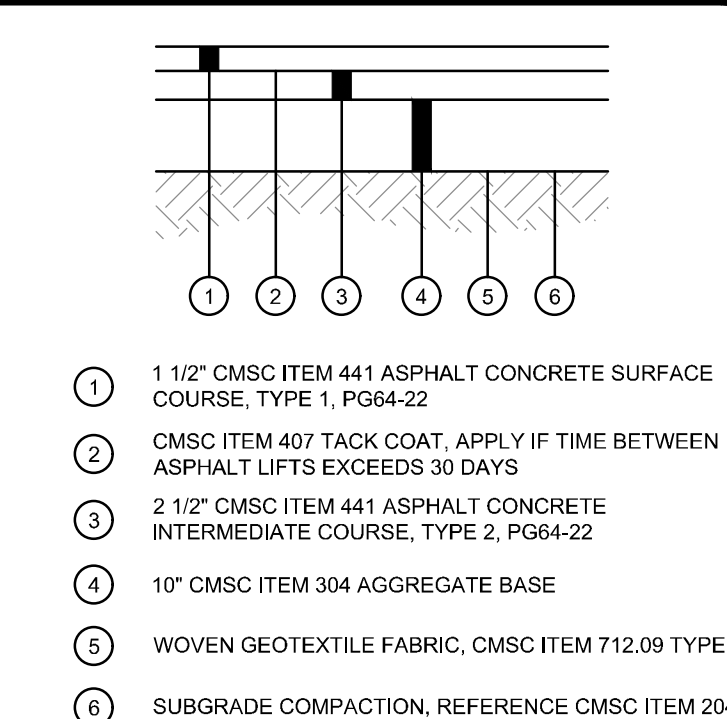
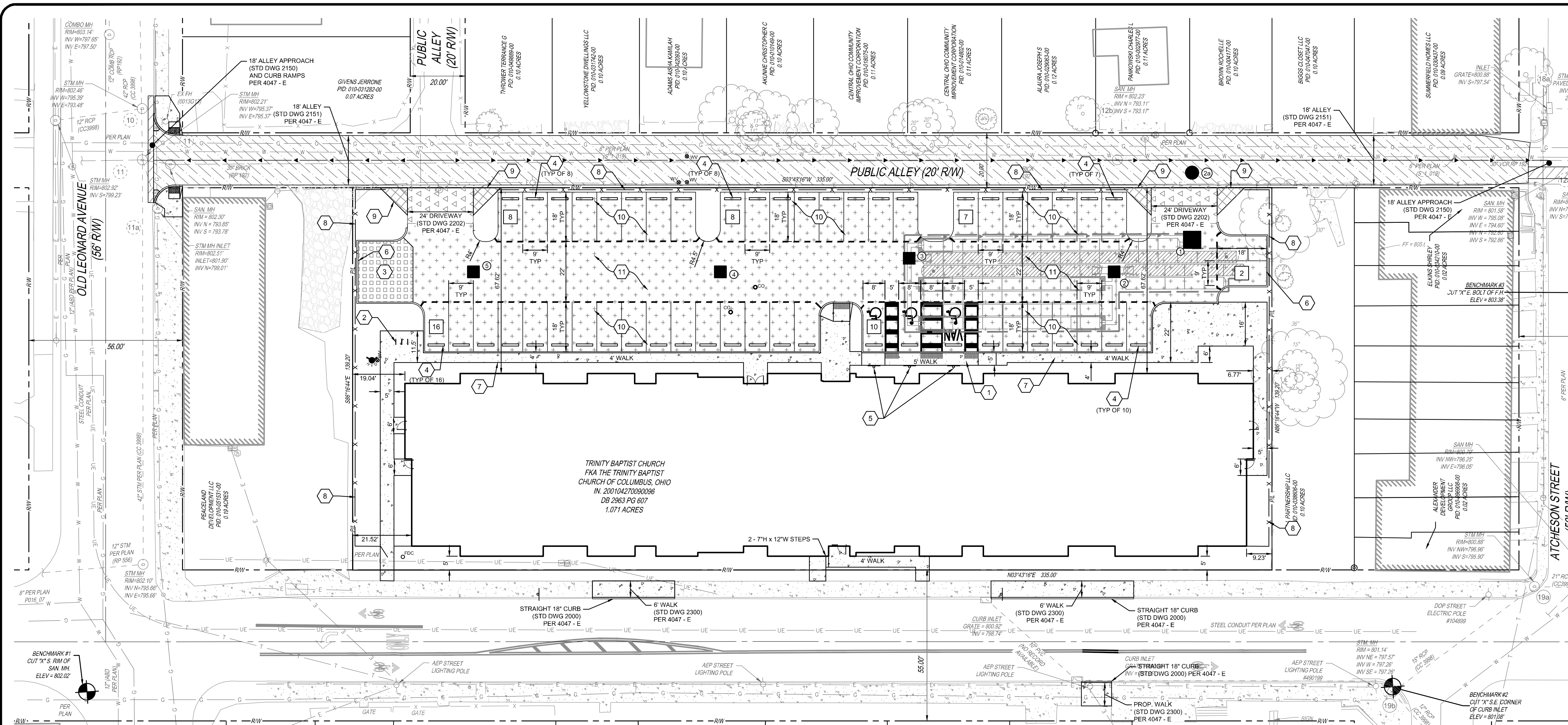
SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

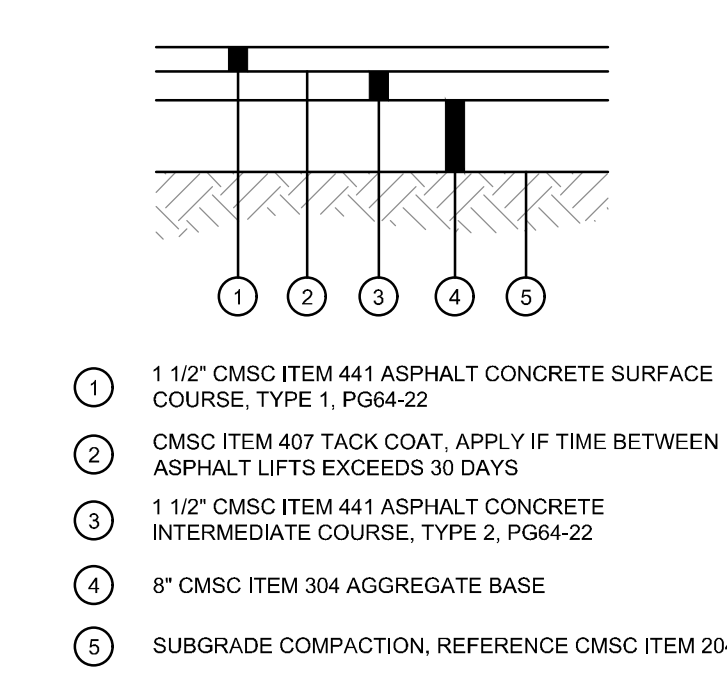
Moody Nolan

DRAWING TITLE: **TITLE SHEET**

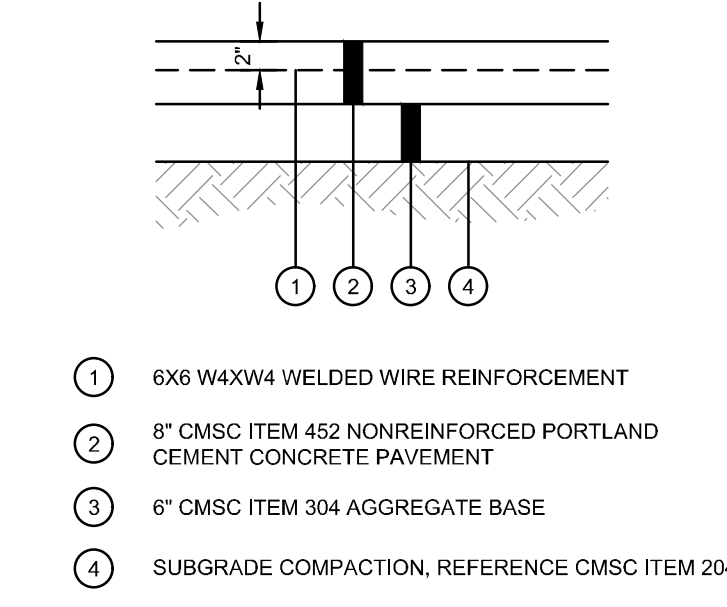
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	22186.00		
	C201		
	PERMIT SET		



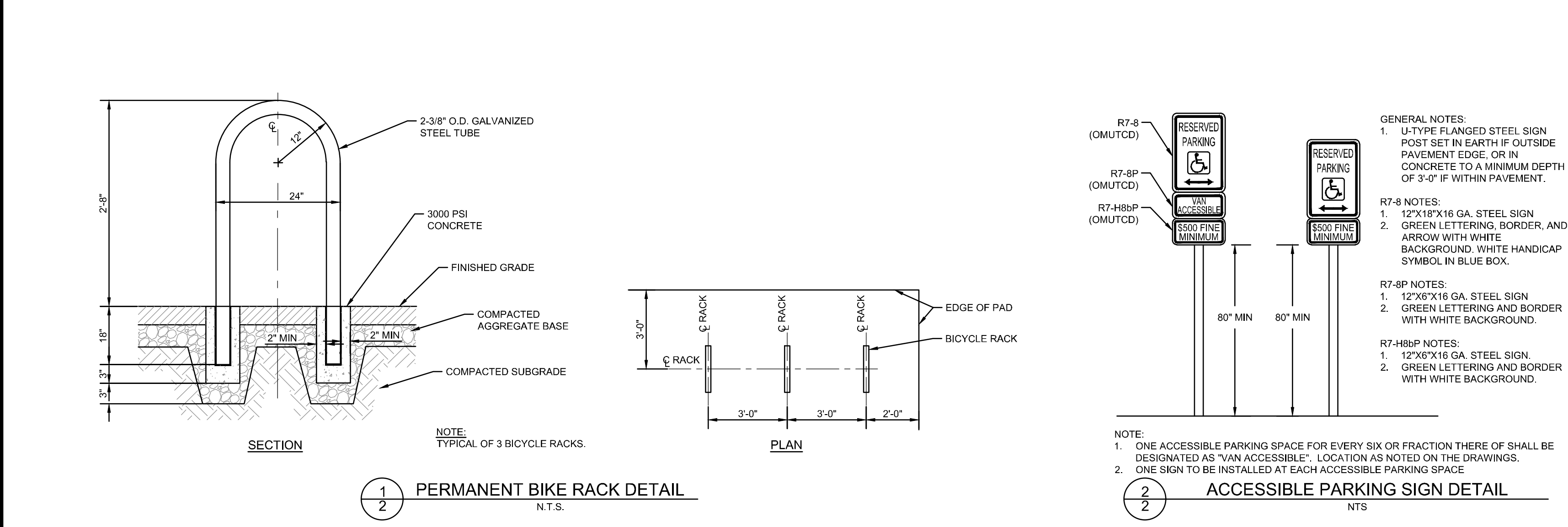
HEAVY DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



STANDARD DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



HEAVY DUTY CONCRETE PAVEMENT DETAIL
N.T.S.



PROPOSED LEGEND

- ASPHALT PAVEMENT
- CONCRETE WALK
- CONCRETE PAVEMENT
- ALLEY PAVEMENT DESIGN PER 4047 - E
- PAVEMENT REPAIR PER STD DWG 1441
- PROPOSED SPLIT BETWEEN HEAVY DUTY ASPHALT AND STANDARD DUTY ASPHALT
- PROPOSED PARKING COUNT
- PROPOSED FENCE, SEE PLANTING PLANS FOR DETAILS

LOCATION PLAN CODED NOTES

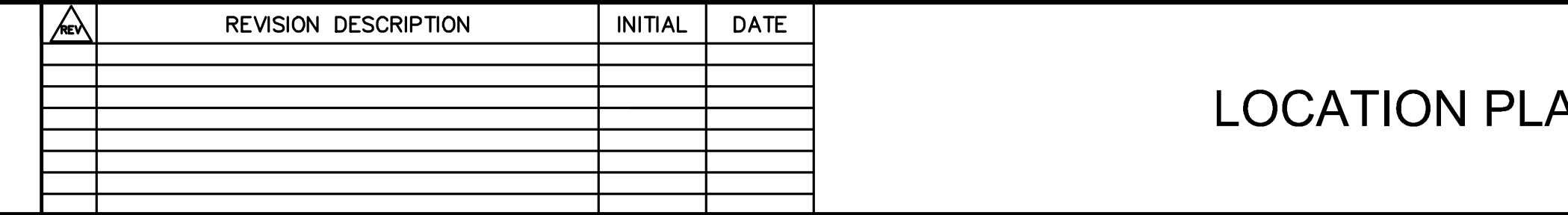
- COC STD DWG 2319 CURB RAMP TYPE P-4
- PERMANENT BICYCLE RACK PER DETAIL 1 ON THIS SHEET
- TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR SCREENING DETAILS. SEE DETAIL 6 ON THIS SHEET FOR PAVEMENT DETAIL.
- CONCRETE WHEEL STOP
- ACCESSIBLE PARKING SIGN PER DETAIL 2 ON THIS SHEET
- BARRIER CURB
- EXTERIOR CONCRETE SLAB WALK WITH INTEGRAL CURB
- PROPOSED FENCE, SEE PLANTING PLANS FOR DETAILS
- 10' VISION TRIANGLE
- STANDARD DUTY PAVEMENT, SEE DETAIL 4 ON THIS SHEET
- HEAVY DUTY PAVEMENT, SEE DETAIL 3 ON THIS SHEET

LOCATION PLAN NOTES:

- SEE L1.00 FOR LANDSCAPING PLAN
- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
- ALL RADII ARE 5' AND TO FACE OF CURB UNLESS OTHERWISE NOTED.
- CODE REQUIRES LOCKING FDC CAPS. KNOX BRAND, SIGNS FOR FDC ARE ALSO REQUIRED. THIS INCLUDES AREAS ON ADDRESSES THAT IT SERVES AND NORMAL OPERATING PRESSURE. THIS IS UNDER FIRE CODE 912.
- KNOX BOXES WILL NEED TO COMPLY WITH CITY OF COLUMBUS RAPID KEY ENTRY SYSTEM REQUIREMENTS.
- ALL BUILDINGS SHALL HAVE APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION OF THE EXTERIOR OF THE BUILDING. (THE TEST IS DONE BY A 3RD PARTY).
- ALL STANDARD PARKING SPACES ARE 9'W X 18'L
- ALL ADA SPACES ARE 8'W X 18'L WITH LOADING AREAS AS SHOWN IN THE PLAN.



PERMANENT BIKE RACK DETAIL
N.T.S.



ACCESSIBLE PARKING SIGN DETAIL
N.T.S.

PLANS PREPARED BY:

THE KLEINGERS GROUP

CIVIL ENGINEERING
SURVIVING
LANDSCAPE
ARCHITECTURE

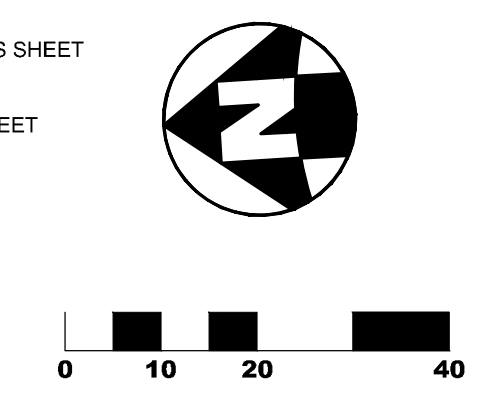
www.kleingers.com
350 Washington Rd
Suite 111
Westerville, OH 43082
614.882.4311

REVISION DESCRIPTION	INITIAL	DATE

LOCATION PLAN

SCARBOROUGH SENIOR HOUSING
480 ST. CLAIR AVE.
CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO 43220

DATE	03-15-2024	JOB NO.	220968.000
SCALE	1" = 20'	SHEET	2/4



#	DATE	CHANGE DESCRIPTION

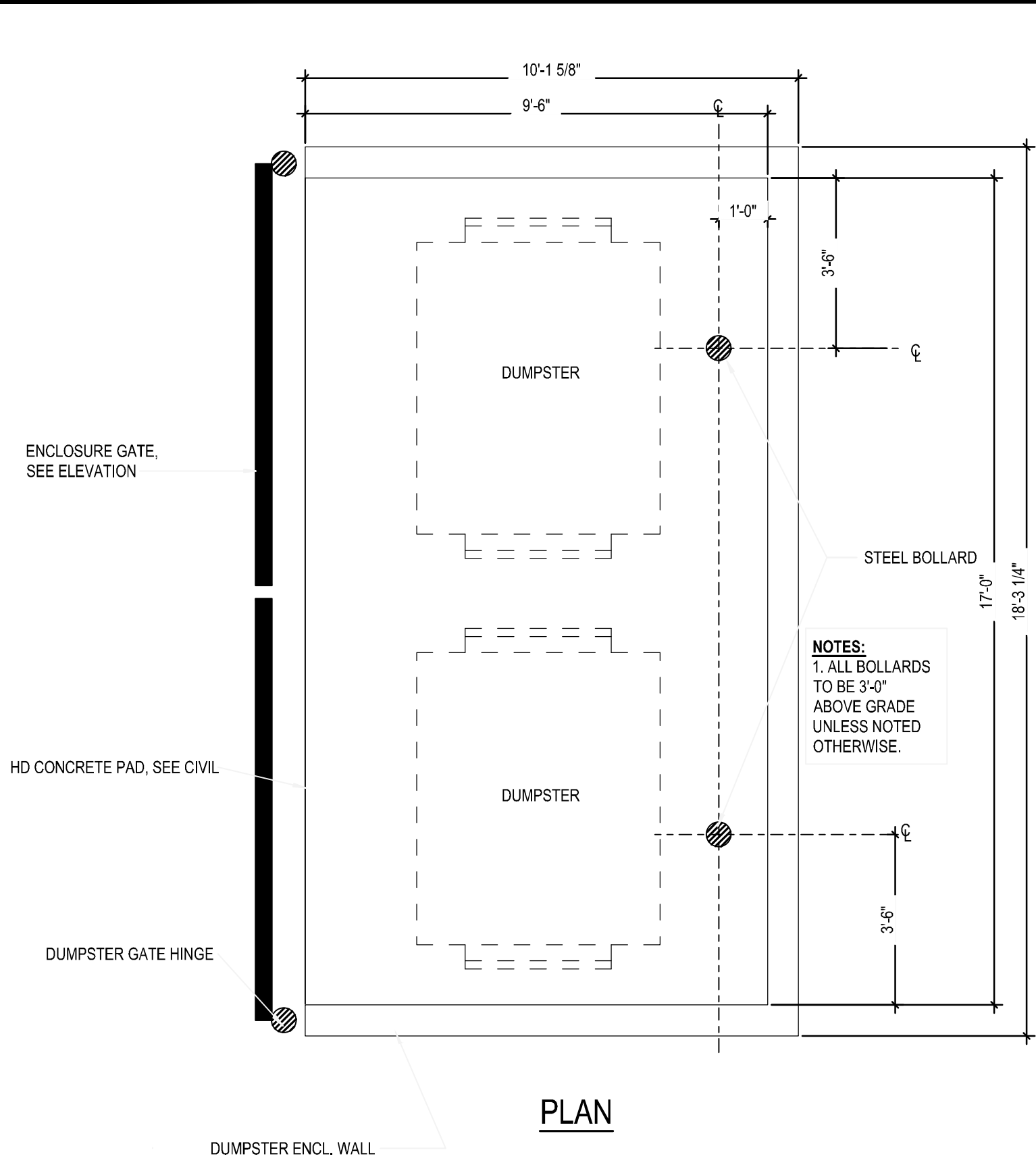
SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

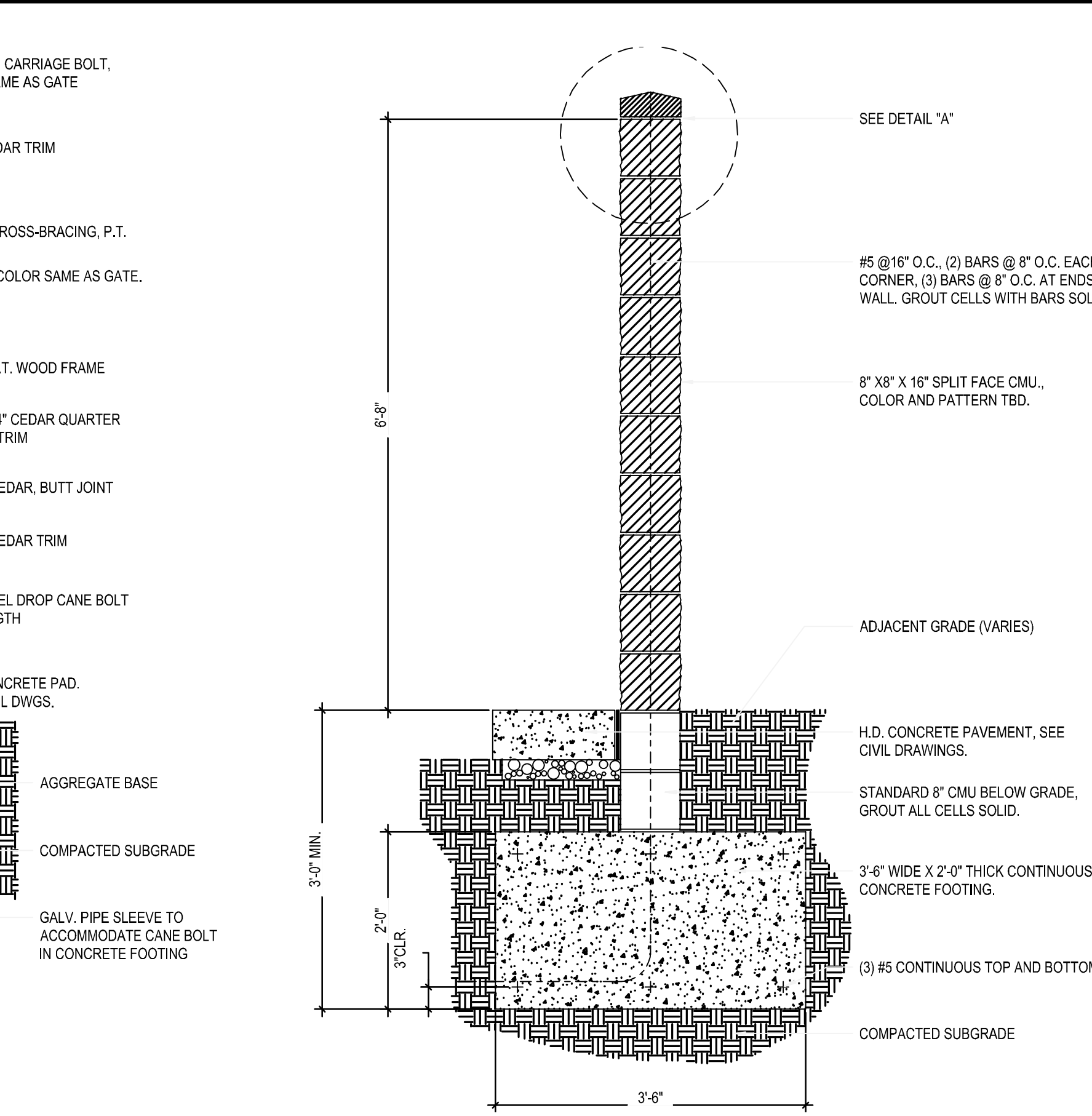
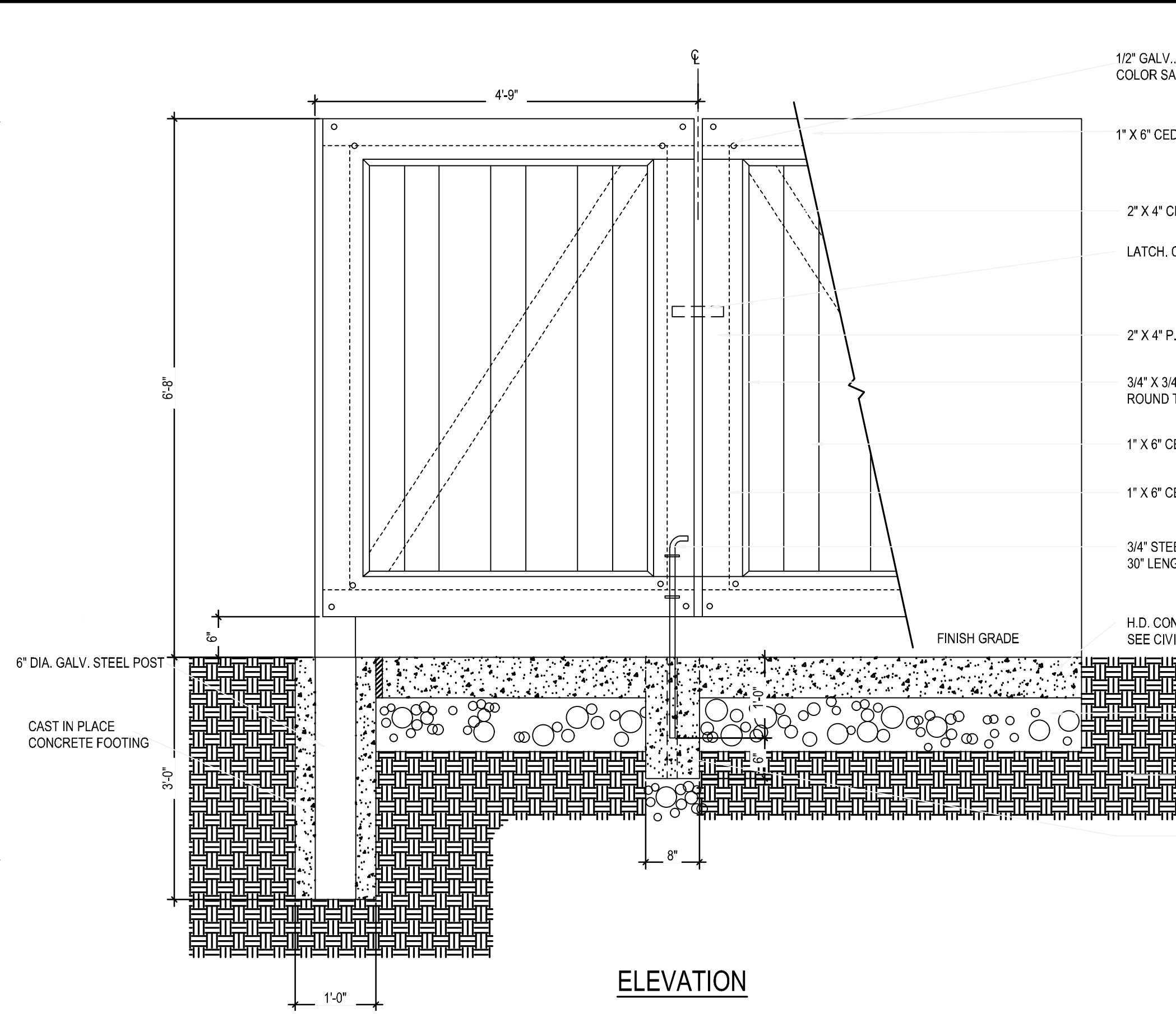
Moody Nolan

LOCATION PLAN

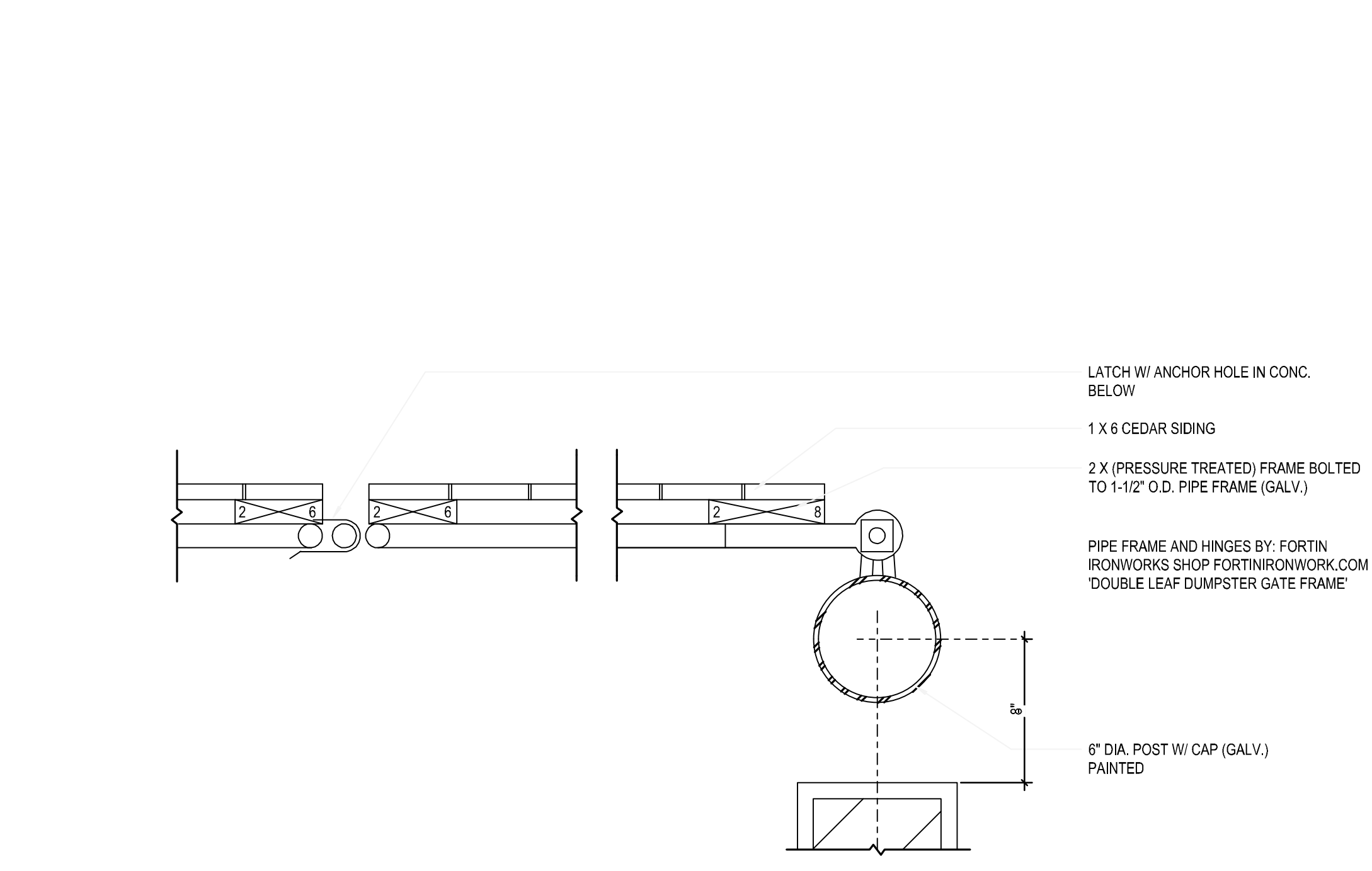
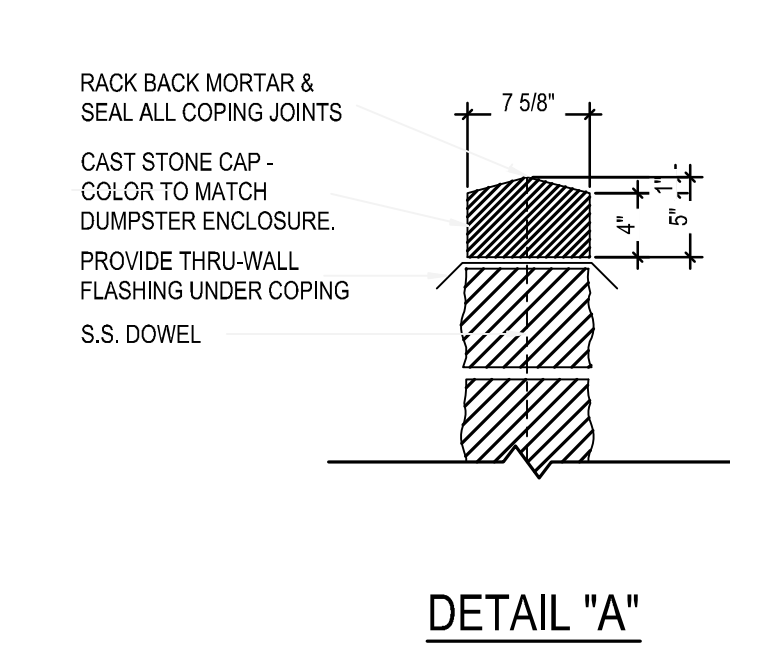
DATE	02/15/2024
DRAWN BY	DJM
CHECKED BY	MJC
PROGRESS DRAWING NOT FOR CONSTRUCTION	22186.00
	C202
	PERMIT SET



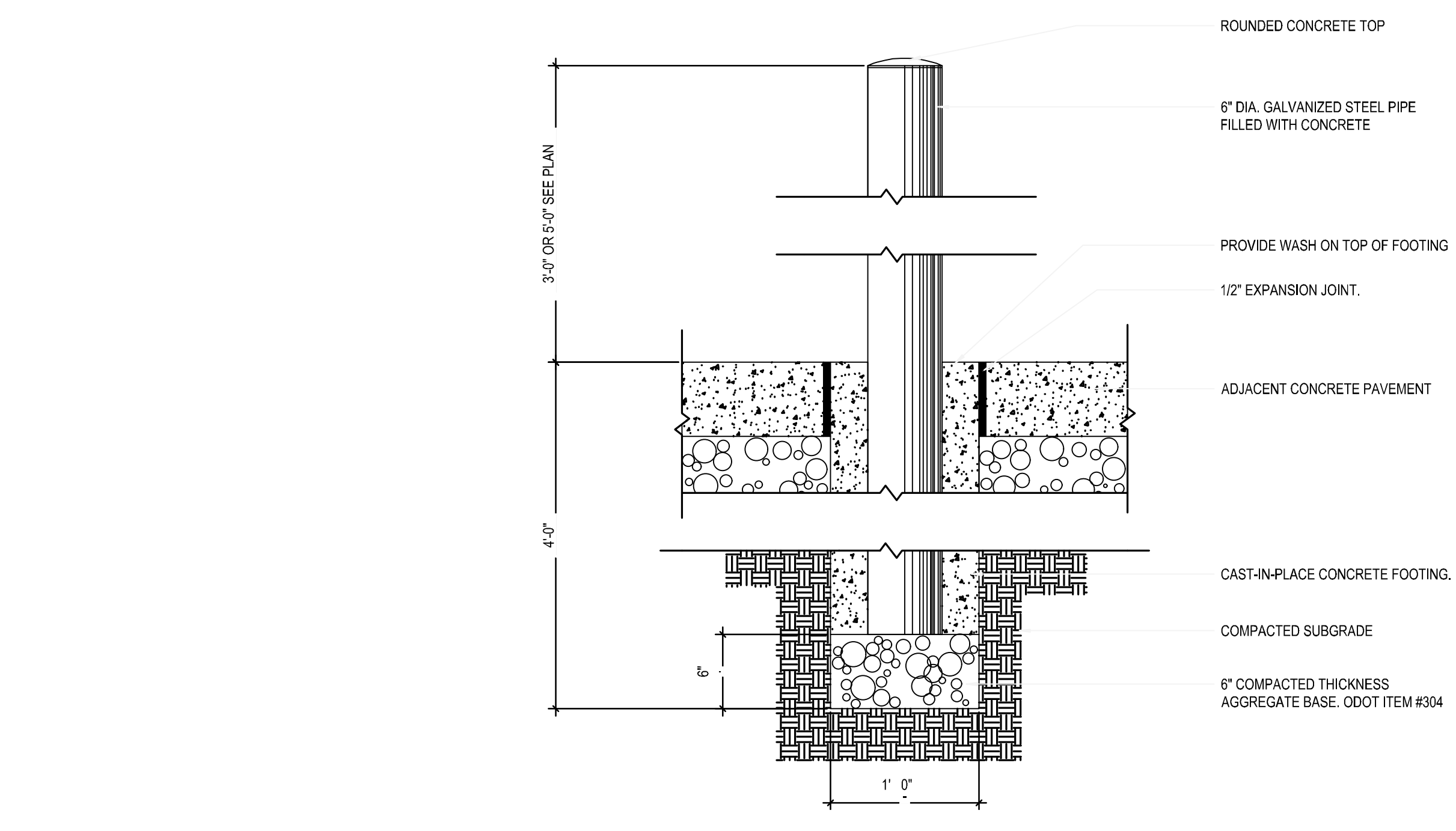
1 DUMPSTER ENCLOSURE
N.T.S.



2 DUMPSTER ENCLOSURE - WALL SECTION
N.T.S.



3 DUMPSTER GATE HINGE
1/2" = 1'-0"



4 STEEL BOLLARD
3/4" = 1'-0"



PLANS PREPARED BY:

CIVIL ENGINEERING
SURVEYING
LANDSCAPE
ARCHITECTURE
www.kleingers.com
350 Worthington Rd
Suite 111
Westerville, OH 43082
614.882.4311

REVISION DESCRIPTION	INITIAL	DATE

SCREENING DETAILS

SCARBOROUGH SENIOR HOUSING
480 ST. CLAIR AVE.
CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO 43220

DATE	03-15-2024	JOB NO.	220968.000
SCALE	1" = 20'	SHEET	3/4

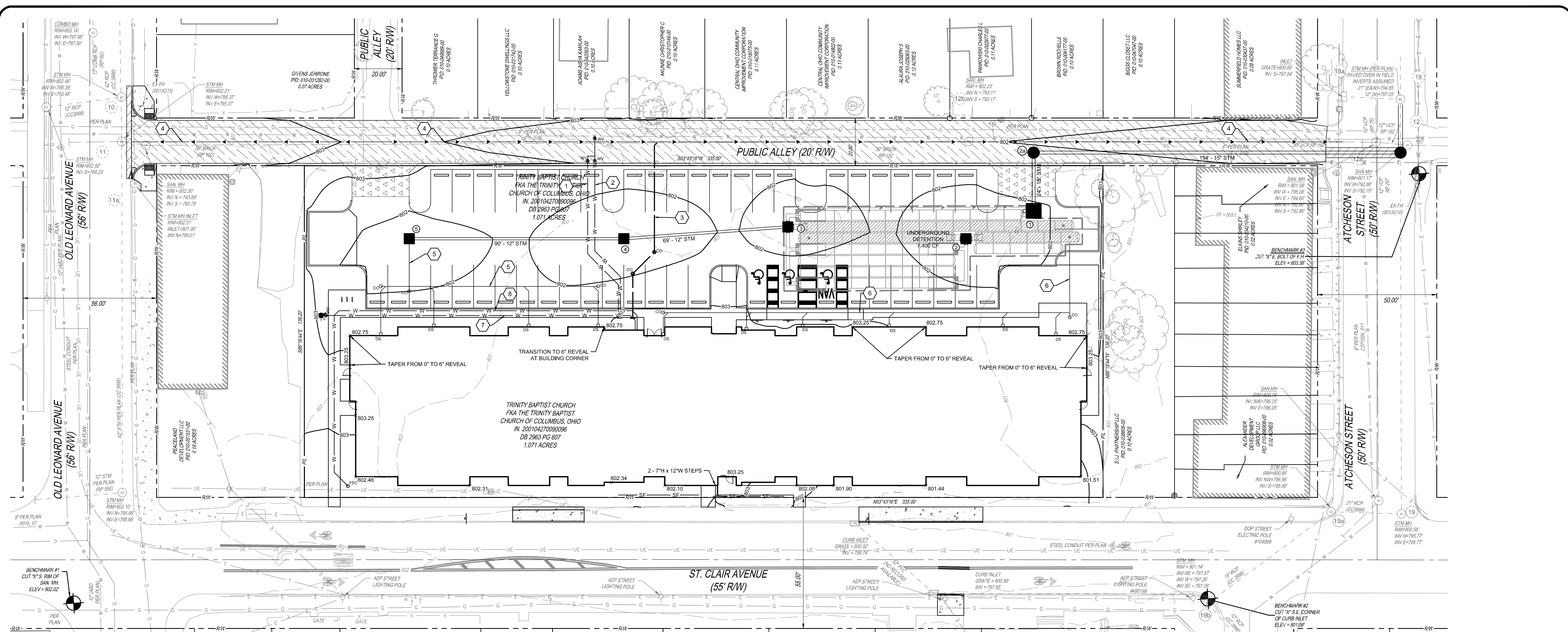
#	DATE	CHANGE DESCRIPTION

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456 ST CLAIR AVE.
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FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

SCREENING DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
	C203	
PERMIT SET		



CODED NOTES

- 1 2" DOMESTIC WATER SERVICE PER WSP-7010
- 2 6" FIRE WATER SERVICE PER WSP-7010
- 3 6" SANITARY SERVICE @ 2.08% MINIMUM
- 4 4" UNDERDRAIN PER 4047 - E
- 5 6" STM @ 0.75% MINIMUM
- 6 10" STM @ 0.56% MINIMUM
- 7 6" WATER PER WSP-7010
- 8 4" FDC LINE PER WSP-7010

NOTES:

1. PRIOR TO ANY CONSTRUCTION CONTRACTOR SHALL LOCATE AND EXPOSE EXISTING UTILITIES AND NOTIFY ENGINEER IF ANY CONFLICTS OCCUR.
2. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITIES WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.

SANITARY NOTES:

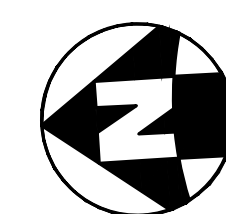
1. SANITARY SERVICES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES, THEIR LOCATIONS, CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT ST FOR SANITARY SERVICE APPROVAL.
2. CONNECTION TO SEWER CANNOT BE MADE WITHOUT OBTAINING A PERMIT FROM SEWER PERMIT OFFICE AT 111 N FRONT STREET, 1ST FLOOR (614-464-7490).

PROPOSED LEGEND

- STM STORM SEWER PIPE PER CC-20288
- STORM CATCH BASIN PER CC-20288
- STORM MANHOLE PER CC-20288
- STORM CLEANOUT
- DOWNSPOUT
- SAN SANITARY SEWER PIPE
- SANITARY CLEANOUT
- W WATERLINE PIPE PER WSP-7010
- PRIVATE FIRE HYDRANT PER WSP-7010
- WATER VALVE PER WSP-7010
- FDC PER WSP-7010
- ← 4" PIPE UNDERDRAIN PER 4047 - E

GRADING LEGEND

- 800 EXISTING MAJOR CONTOUR
- 859 EXISTING MINOR CONTOUR
- 860 PROPOSED MAJOR CONTOUR
- 859 PROPOSED MINOR CONTOUR
- 844.48 x PROPOSED SPOT ELEVATION



PLANS PREPARED BY:



REVISION DESCRIPTION	INITIAL	DATE

GRADING AND UTILITY PLAN

SCARBOROUGH SENIOR HOUSING
480 ST. CLAIR AVE.
CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO 43220

DATE	03-15-2024	JOB NO.	220968.000
SCALE	1" = 20'	SHEET	4/4

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GRADING AND UTILITY PLAN

DATE	02/15/2024
DRAWN BY	DJM
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PROGRESS DRAWING NOT FOR CONSTRUCTION	22186.00
	C203
	PERMIT SET

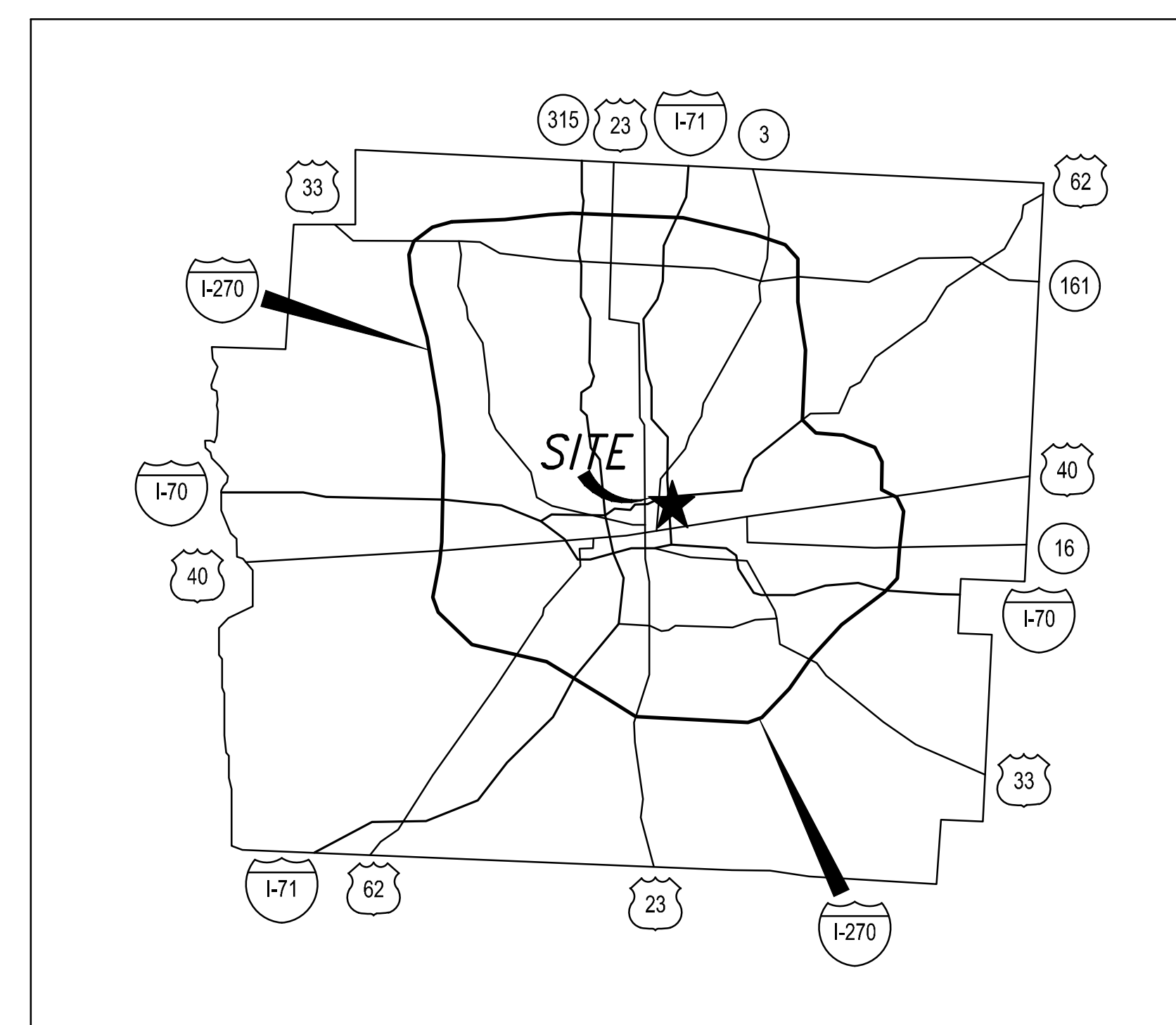
CITY OF COLUMBUS WATER SERVICE PLAN NOTES

- NO WATER SERVICE CONNECTION PERMITS SHALL BE ISSUED OR CONNECTIONS MADE TO ANY WATER TAPS UNTIL THE PUBLIC WATER MAIN HAS BEEN DISINFECTED BY THE CITY OF COLUMBUS, DIVISION OF WATER.
- 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 (CMSO), 2016 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 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.
- EXISTING RIGHT OF WAY LINE(S), PROPOSED RIGHT OF WAY LINE(S) AND/OR WATER MAIN EASEMENT LINE(S) 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 CITY OF COLUMBUS, DIVISION OF WATER.
- SITE UTILITY CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF COLUMBUS-CITY FORESTER AT 614-645-6640 FOR ANY WORK DONE WITHIN 10 FEET OF A TREE IN THE RIGHT OF WAY.
- THERE SHALL BE A 16 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, UNLESS OTHERWISE APPROVED BY THE CITY OF COLUMBUS, DIVISION OF WATER.
- ALL INSPECTIONS REQUIRE A 24 HOUR ADVANCE NOTICE.
- N/A
- N/A
- 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.
- N/A
- N/A
- SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION OF 2" AND SMALLER WATER SERVICE TAPS FROM THE WATER MAIN THRU THE CURB STOP AND WATER SERVICES FROM THE CURB STOP THRU THE WATER METER SETTINGS.
- ALL 2" AND SMALLER WATER SERVICE PIPE SHALL BE TYPE K SOFT TEMPER COPPER ONLY FROM THE CITY WATER MAIN THRU THE CURB STOP PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWING L-9901 AND CMSO ITEM 805. THE PIPE MATERIAL SHALL BE TYPE K SOFT TEMPER COPPER OR A COLUMBUS DIVISION OF WATER APPROVED POLY TUBING FROM THE CURB STOP THRU THE WATER METER SETTING.
- N/A
- N/A
- 1.5" AND 2" METER SETTING(S) SHALL BE PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWING L-9002 C.
- SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION AND HYDROSTATIC TEST OF 4" 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 CMSO ITEM 801.16 AND SHALL BE PERFORMED FROM THE WATER MAIN THRU THE WATER METER SETTING.
- ALL 4" 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 4" AND LARGER SHALL BE POLYWRAPPED PER CMSO ITEM 801.03 TO A POINT 10 FOOT BEYOND THE RIGHT OF WAY VALVE(S).
- N/A
- WHEN WATER TAPS ARE INSTALLED BY TRENCHLESS METHODS AND CROSS AN EXISTING STORM AND/OR SANITARY SEWER, THE CONTRACTOR SHALL VERIFY THE CONDITION OF THE SEWER(S) BY VIDEO INSPECTION METHODS FOLLOWING THE TAP INSTALLATIONS.
- N/A
- 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 614-645-5791 TO SCHEDULE BACKFLOW PREVENTION INSPECTION REQUESTS.
- DOMESTIC WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE ASSE #1013 APPROVAL/STANDARD.
- N/A

- THE FIRE WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE APPROPRIATE ASSE APPROVAL/STANDARD AND SHALL BE EQUIPPED WITH A DETECTOR METER THAT IS IRON 100W (TOWER) OR 100R (REMOTE), MEASURES IN CUBIC FEET AND MEETS THE AWWA C-700 STANDARD. FIRE WATER BACKFLOW PREVENTER(S) SHALL BE SIZED TO MATCH THE FIRE WATER SERVICE SIZE AND EQUIPPED WITH O.S.&Y. VALVES.
- IF DOMESTIC AND/OR FIRE WATER SERVICE METER(S) AND THEIR BACKFLOW PREVENTER(S) ARE TO BE LOCATED IN A METER ROOM INSIDE A BUILDING, THERE WILL BE A WALL OR CEILING MOUNTED GAS OR ELECTRIC THERMOSTATICALLY OPERATED HEATER. THE HEATER SHALL BE SIZED PER THE HEATER MANUFACTURER SPECS TO MAINTAIN A 40 DEGREE FAHRENHEIT INSIDE TEMPERATURE AT AN OUTSIDE TEMPERATURE OF MINUS 30 DEGREE FAHRENHEIT.
- A 1" I.D. CONDUIT WITH 1 DRAWSTRING PER WATER METER SHALL BE PROVIDED BY THE BUILDING CONTRACTOR FROM THE WATER METER TO AND THRU 6" BEYOND THE FINISHED EXTERIOR WALL OF THE BUILDING AND 1' TO 5' ABOVE THE FINISHED GRADE.
- A 1" I.D. CONDUIT WITH 1 DRAWSTRING PER WATER METER SHALL BE PROVIDED BY THE SITE UTILITY CONTRACTOR FROM THE WATER METER VAULT TO THE HEATED ENCLOSURE. CONDUIT SHALL EXTEND 6" INTO THE METER VAULT AND BE CLEAR OF ALL ACCESS PORTALS. CONDUIT SHALL BE CORE DRILLED AND EXTEND 24" UP ABOVE THE CONCRETE SLAB FOR THE HEATED ENCLOSURE ALONG THE HEATER WALL. CONDUIT SHALL HAVE A MINIMUM BURY OF 24" FROM THE VAULT TO THE HEATED ENCLOSURE. CONDUIT SHALL BE FOR THE REMOTE WIRES ONLY. ANY OTHER WIRING SHALL HAVE A SEPARATE CONDUIT.
- N/A
- 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.COLUMBUS.GOV/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 614-645-6781 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 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.
- N/A
- 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.



VICINITY MAP
NOT TO SCALE

SHEET INDEX

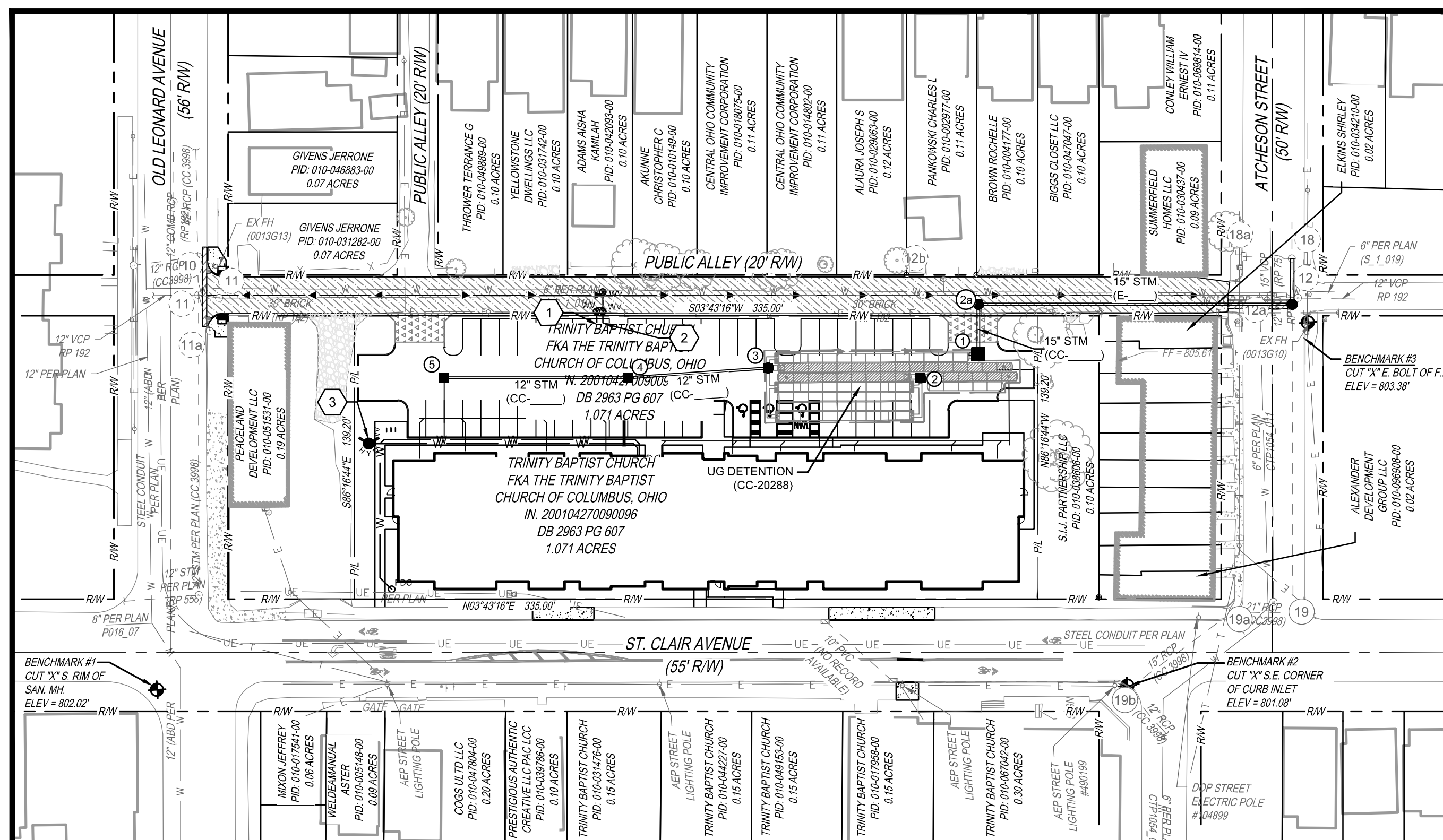
1 - WATER SERVICE TITLE SHEET	(C300)
2 - WATER SERVICE PLAN & PROFILE	(C301)

CITY OF COLUMBUS STANDARD DRAWINGS

- L-1001 (9/22/2022)
- L-1003 (1/26/2018)
- L-1004 (1/26/2018)
- L-1701A (9/22/2022)
- L-1701B (9/22/2022)
- L-6309A (9/21/2022)
- L-6309B (9/21/2022)
- L-8310 (1/26/2018)
- L-8311 (1/17/2023)
- L-8312 (1/26/2018)
- L-6316A (1/26/2018)
- L-8317A (9/21/2022)
- L-9002A (5/17/2021)
- L-9002B (5/17/2021)
- L-9002C (5/17/2021)
- L-9002G (11/17/2023)
- L-9901 (9/21/2022)



DATE: 03-08-2024



INDEX MAP
1"=50'

CODED NOTES

- 1 2" DOMESTIC WATER SERVICE
- 2 6" FIRE WATER SERVICE
- 3 PRIVATE FIRE HYDRANT, TYPE A ASSEMBLY PER STD DWG L-6637A

EASEMENT REFERENCE

REVISIONS

PLAN PREPARED BY:



www.kleingers.com
355 Worthington Rd
Suite H
Westerville, OH 43082
614.882.4311

DATE

CITY OF COLUMBUS DIVISION OF WATER APPROVAL

SIGNATURE BELOW SIGNIFIES ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

DATE

PRIVATE WATER SERVICE PLAN FOR
SCARBOROUGH SENIOR HOUSING
480 ST. CLAIR AVE.
CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO
WATER SERVICE TITLE SHEET

WSP-7010

SHEET: 1/2

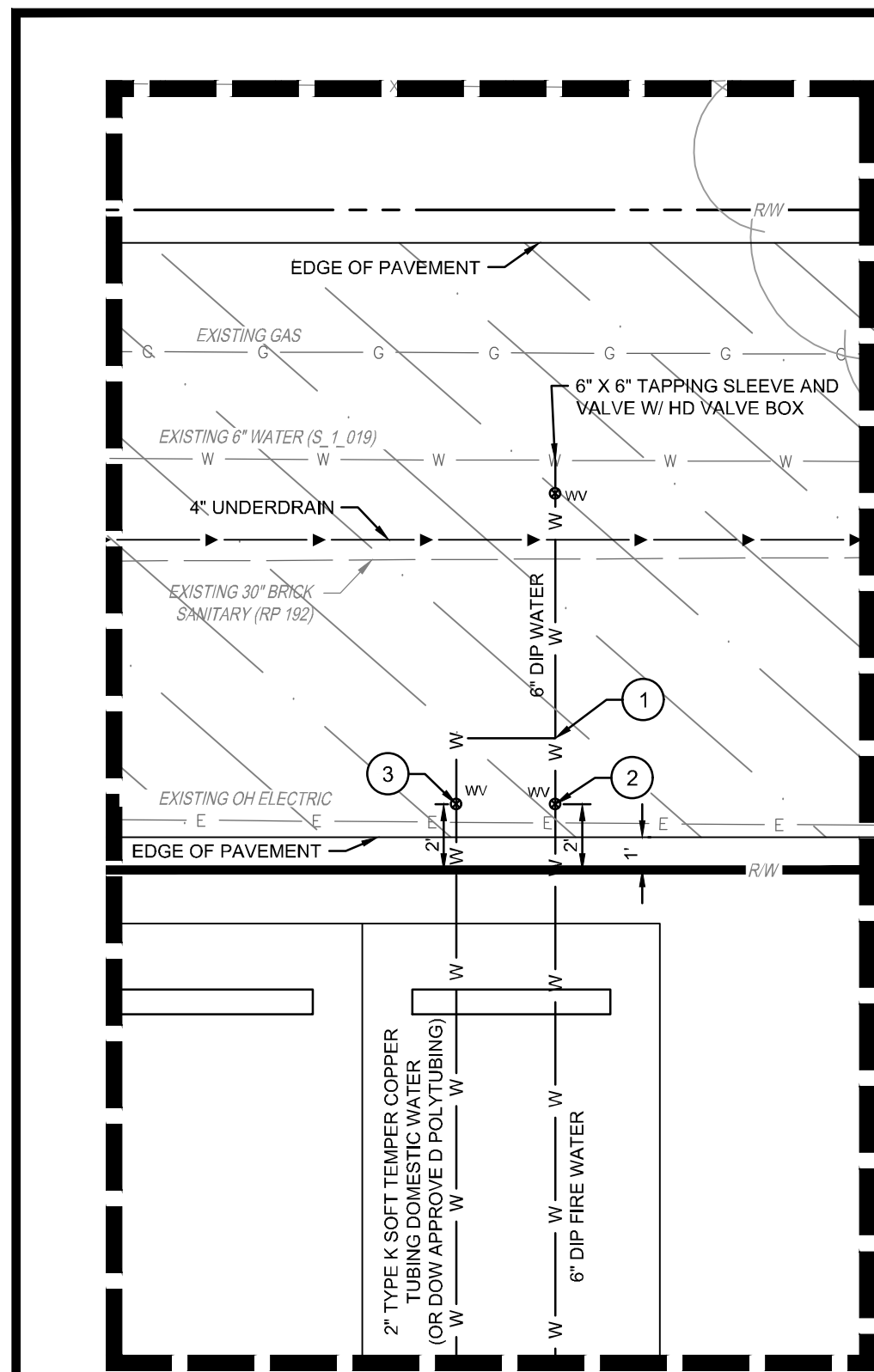
#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
National Church Residences
456 ST. CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475
Moody Nolan

WATER SERVICE TITLE SHEET

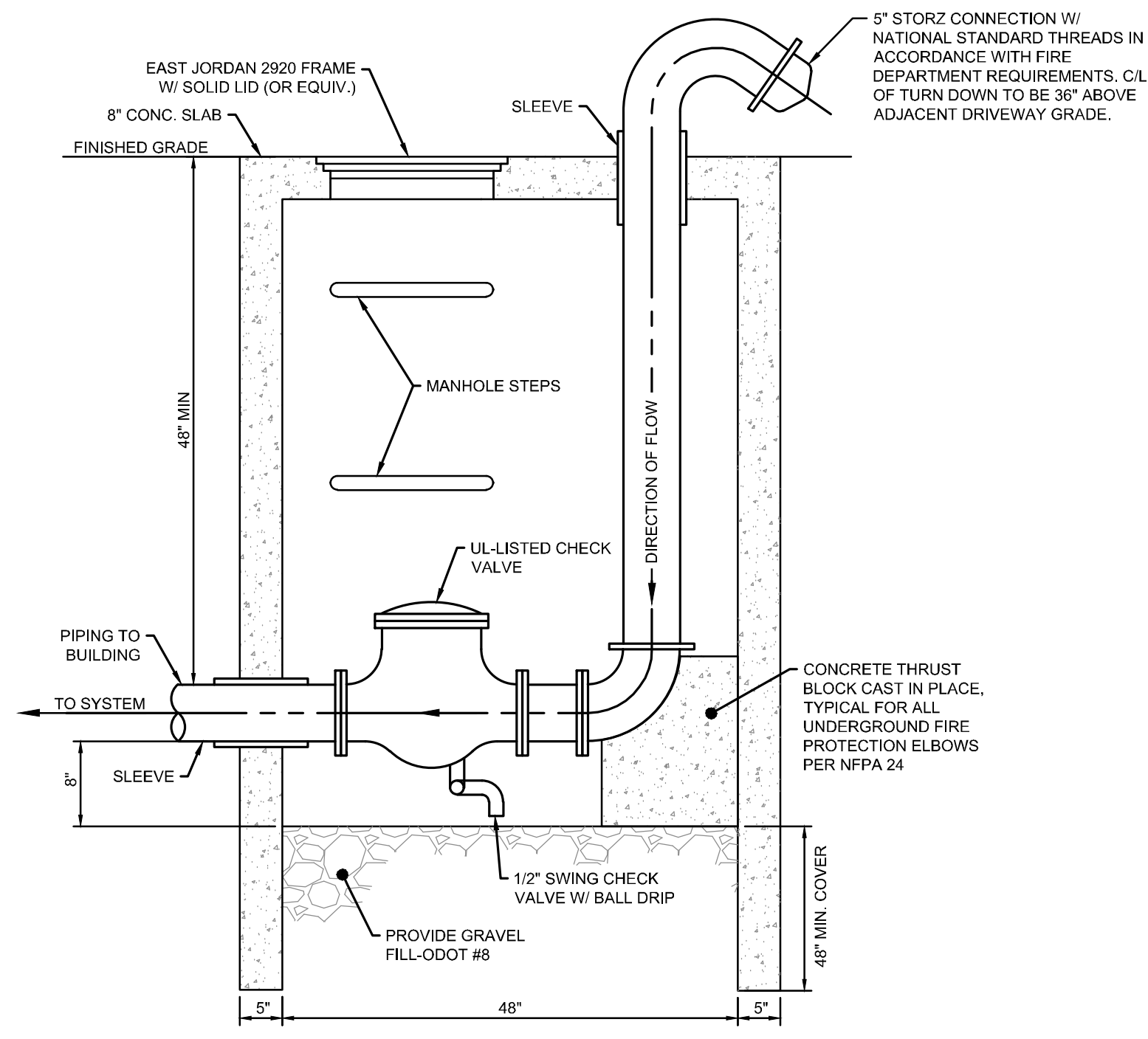
PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
C300		
PERMIT SET		



WATER SERVICE CONNECTION DETAIL
SCALE: 1"=5'

CONNECTION DETAIL CODED NOTES

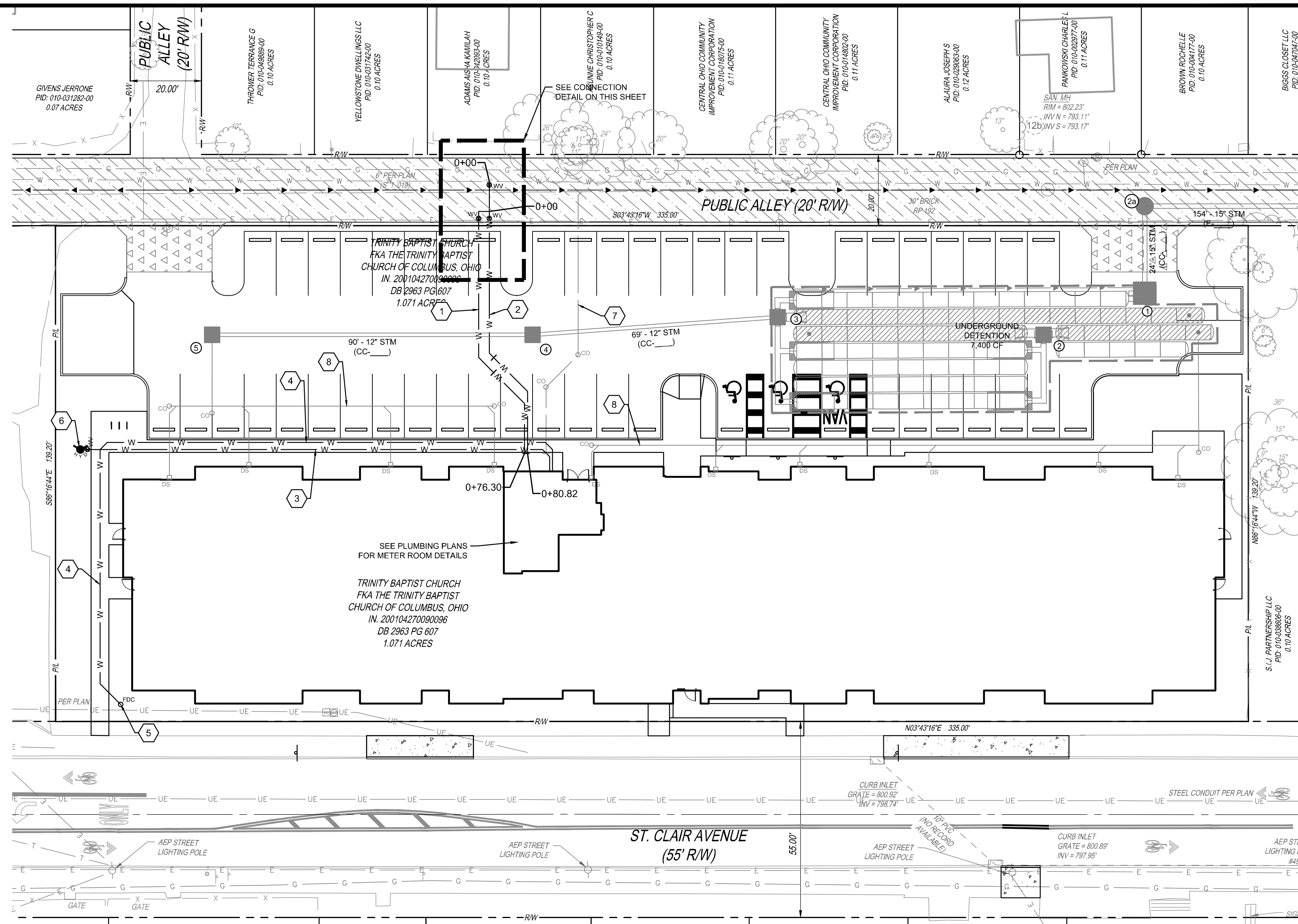
- 1 2" CORP STOP
- 2 6" VALVE WITH HD VALVE BOX
- 3 2" CURB STOP PER STD DWG L-9001 & CMSC 805



NOTES:

1. FDC SHALL BE FM APPROVED AND SHALL MEET THE REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT.
2. THE CONTRACTOR SHALL PROVIDE A KNOX FIVE (5) INCH STURZ GUARD CAP FOR THE FIRE DEPARTMENT CONNECTION.
3. ALL EXPOSED PIPING SHALL BE GALVANIZED.
4. A WHITE ALUMINUM SIGN, EIGHTEEN (18) INCHES IN HEIGHT AND TWENTY-FOUR (24) INCHES IN WIDTH IS TO BE MOUNTED ON THE FIRE DEPARTMENT CONNECTION. THE SIGN SHALL HAVE RED REFLECTIVE LETTERING READING "FDC" THAT IS SIX (6) INCHES IN HEIGHT WITH A ONE (1) INCH STROKE WIDTH AND THE REMAINDER OF THE LETTERING IS TO BE RED REFLECTIVE LETTERS THAT ARE TWO (2) INCHES IN HEIGHT WITH A ONE-HALF (1/2) INCH WIDE STROKE. BELOW THE "FDC" LETTERING, THE SIGN SHALL HAVE THE ADDRESS OF THE BUSINESS, IDENTIFY WHAT IS SUPPLIED BY THE FIRE DEPARTMENT CONNECTION, AND, IF THE INPUT PUMP PRESSURE IS OTHER THAN ONE HUNDRED FIFTY (150) POUNDS PER SQUARE INCH, THE INPUT PUMP PRESSURE. THE SIGN SHALL BE FASTENED TO A SIGN POST WHICH SHALL BE MECHANICALLY FASTENED, BOLTED, CLAMPED, OR OTHERWISE AFFIXED TO THE BACK OF THE FIRE DEPARTMENT CONNECTION PIPE, WITH LETTERING FACING THE FIRE APPARATUS ACCESS ROAD. THE SIGN SHALL BE VISIBLE ABOVE THE TOP OF THE FIRE DEPARTMENT CONNECTION.

FIRE DEPARTMENT CONNECTION
N.T.S.

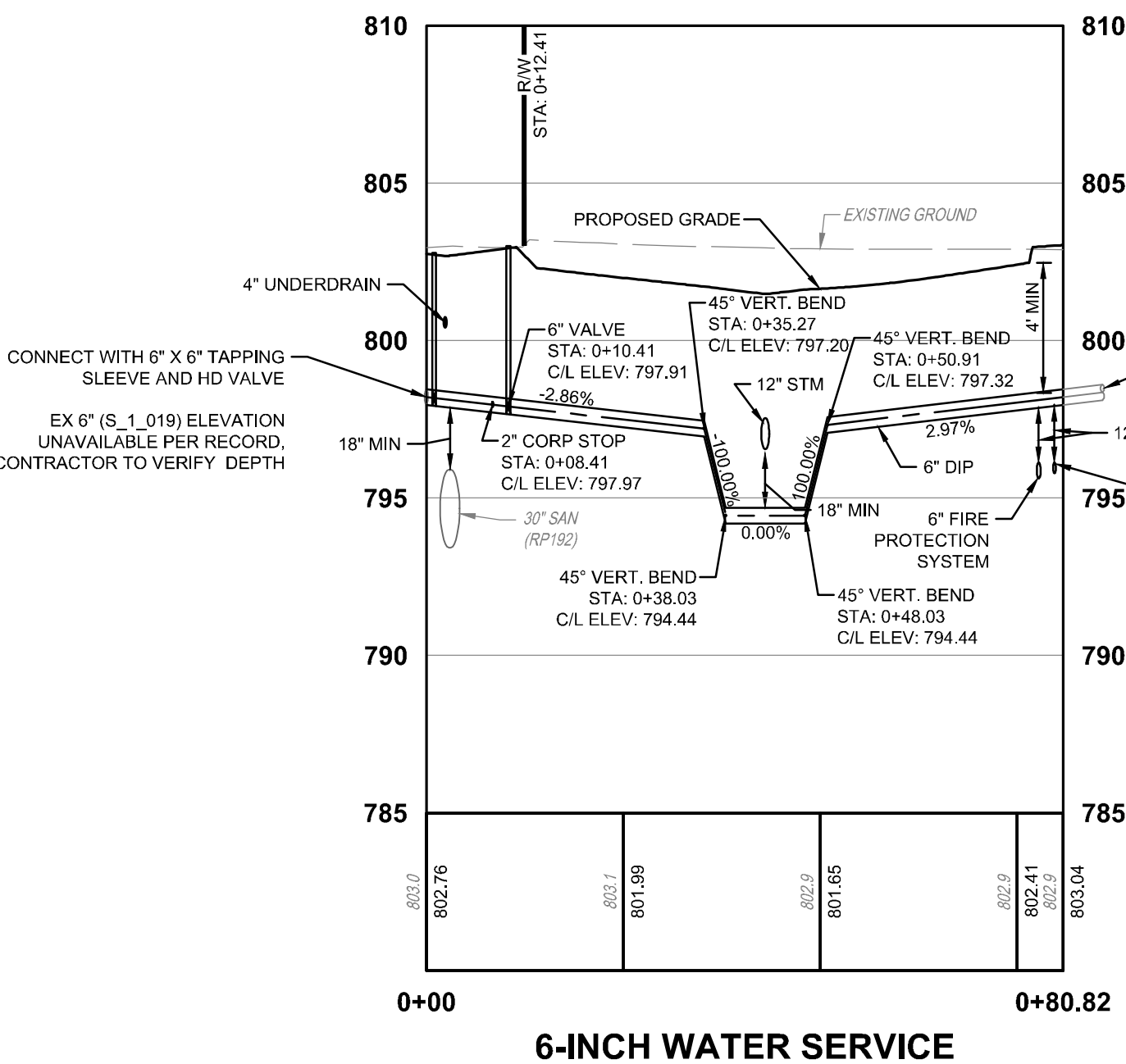
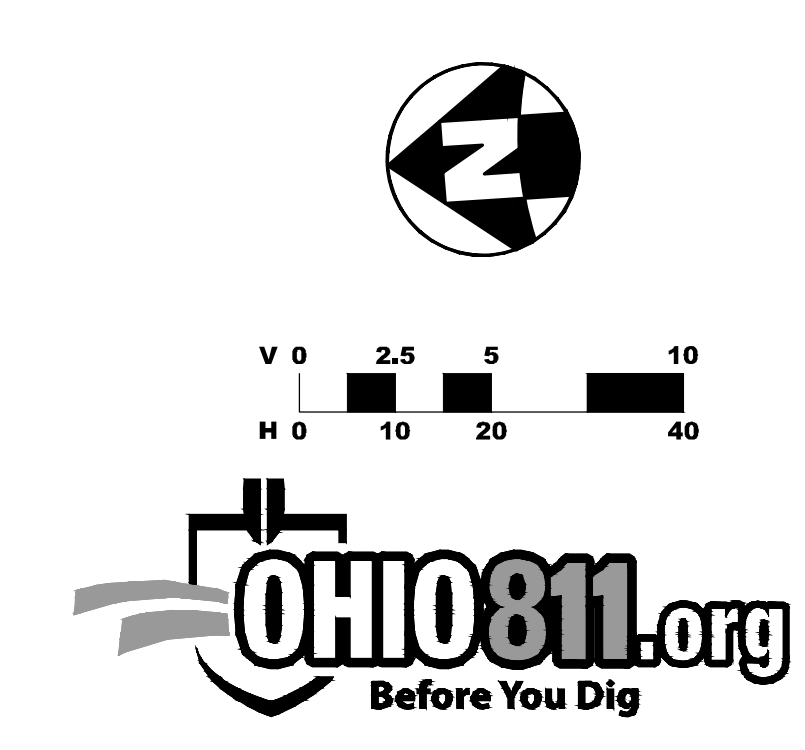


CODED NOTES

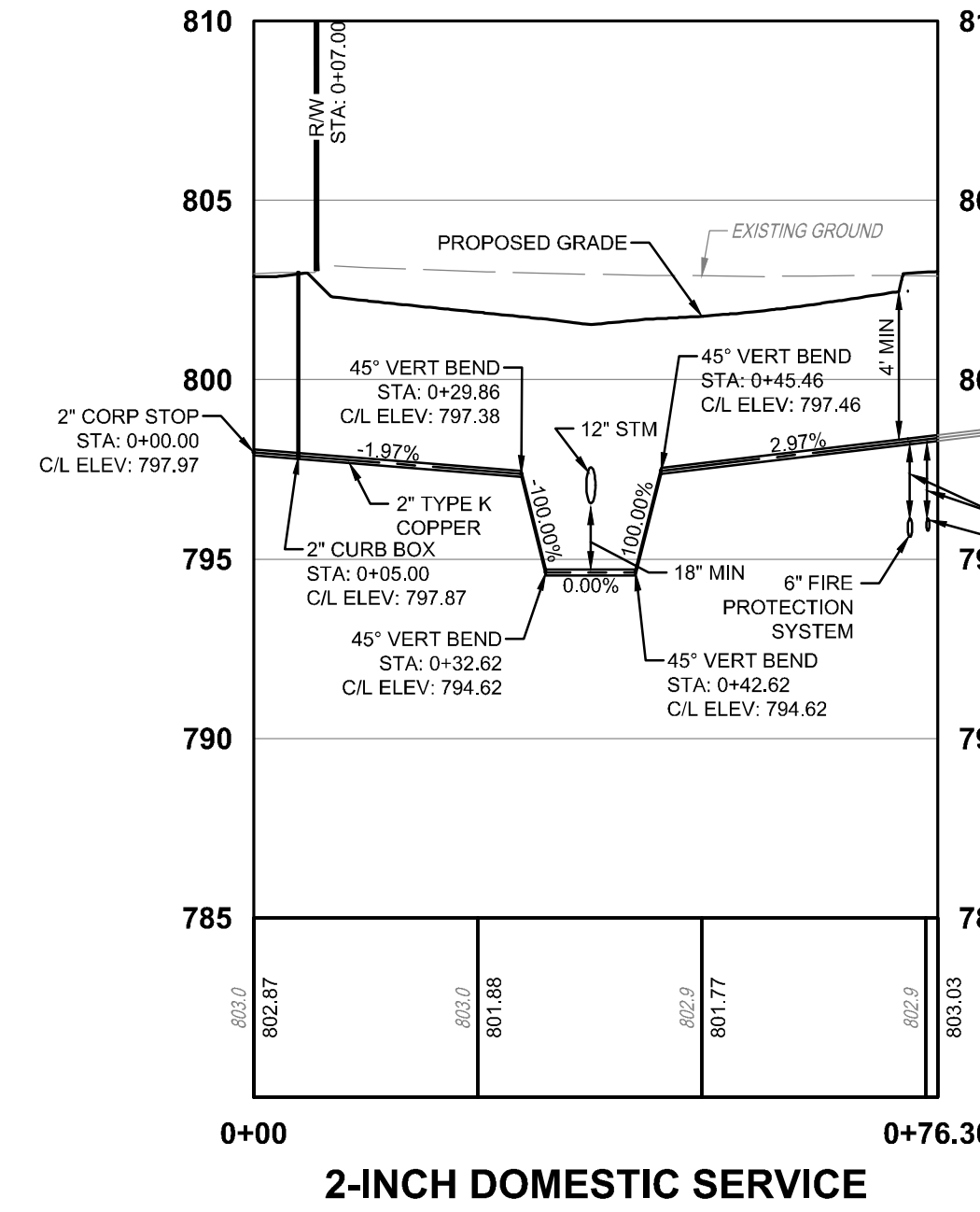
- 1 2" DOMESTIC WATER SERVICE
- 2 6" FIRE WATER SERVICE
- 3 6" FIRE PROTECTION SYSTEM
- 4 4" FDC LINE
- 5 FIRE DEPARTMENT CONNECTION
- 6 PRIVATE FIRE HYDRANT, TYPE A ASSEMBLY PER STD DWG L-6637A
- 7 6" SANITARY SERVICE PER SEPARATE PLAN
- 8 10" STM PER SEPARATE PLAN

PROPOSED LEGEND

- STM STORM SEWER PIPE
- SCB STORM CATCH BASIN
- SMH STORM MANHOLE
- SCN STORM CLEANOUT
- DSN DOWNSPOUT
- SAN SANITARY SEWER PIPE
- SCN SANITARY CLEANOUT
- W WATERLINE PIPE
- FHY FIRE HYDRANT
- WV WATER VALVE
- 4" PIPE UNDERDRAIN



6-INCH WATER SERVICE



2-INCH DOMESTIC SERVICE

EASEMENT REFERENCE

REVISIONS

PLAN PREPARED BY:



PRIVATE WATER SERVICE
PLAN FOR
SCARBOROUGH SENIOR HOUSING
480 ST. CLAIR AVE.
CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO
WATER SERVICE PLAN & PROFILE

WSP-7010

SHEET: 2/2

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

WATER SERVICE PLAN & PROFILE

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
C301		
PERMIT SET		

INDEX OF SHEETS

TITLE SHEET	1 (C401)
TYPICAL SECTIONS AND GENERAL NOTES	2 (C402)
MAINTENANCE OF TRAFFIC NOTES AND ESTIMATE OF QUANTITIES	3 (C403)
MAINTENANCE OF TRAFFIC PLAN	4 (C404)
EROSION CONTROL NOTES	5 (C405)
EROSION CONTROL PLAN	6 (C406)
DEMOLITION PLAN	7 (C407)
PLAN AND PROFILE FOR 1ST ALLEY W OF GARFIELD AVE	8 (C408)
PLAN AND PROFILE FOR ST CLAIR AVE	9 (C409)
CROSS SECTIONS FOR 1ST ALLEY W OF GARFIELD AVE	10 (C410)
GRADING DETAILS & STORM SEWER PROFILE	11 (C411)
PAVEMENT MARKING AND SIGNING PLAN	12 (C412)

PROJECT DESCRIPTION

THE PROJECT RIGHT OF WAY IMPROVEMENTS FOR ST CLAIR AVE INCLUDE CROSSWALK AND DRIVEWAY REMOVAL AND SIDEWALK REPLACEMENT, RIGHT OF WAY IMPROVEMENTS TO THE FIRST ALLEY WEST OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE INCLUDE STORMWATER SEWER CONSTRUCTION, PAVEMENT REPLACEMENT, TWO DRIVEWAY CONNECTIONS, AND A CROSS WALK.

DEVELOPER

NATIONAL CHURCH RESIDENCES
2245 NORTH BANK DRIVE
COLUMBUS, OH 43220
PHONE: (614) 332-1714
CONTACT: SARAJANE STEFFES
EMAIL: sarajane@nationalchurchresidences.org

VERTICAL CONTROL

VERTICAL DATUM IS NAVD1989 BASED ON SOURCE BENCHMARK CORNERS STATION "COLB". THIS IS A CONTINUOUSLY OPERATING REFERENCE STATION LOCATED ON THE GROUNDS OF AN ODDT FACILITY LOCATED AT 1960 W BROAD STREET IN COLUMBUS OHIO. THE PUBLISHED ELEVATION AT THE TIME THIS PLAN WAS APPROVED IS 722.312' (NAV1989).

BENCHMARK	DESCRIPTION	NORTHING	EASTING	ELEVATION
SOURCE BM	CORNERS STATION COLB	714254.27	1815510.89	722.31
BM #1	CUT "X" S. RM OF SAN. MH.	719827.83	1833799.11	802.02
BM #2	CUT "X" S.E. CORNER OF CURB INLET	719322.83	1833779.13	801.08
BM #3	CUT "X" E. BOLT OF F.H.	719253.00	1833942.29	803.38

HORIZONTAL REFERENCE POINTS STATE PLANE COORDINATES* (OSPC)-OHIO SOUTH ZONE

CONTROL POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
▲ #1	MAG NAIL SET IN SIDEWALK	719898.36	1833791.67	802.25
▲ #2	MAG NAIL SET IN SIDEWALK	719400.08	1833768.04	801.28

* HORIZONTAL REFERENCE DATUM = NAD83 (NSRS 2011 ADJ.)

BASIS OF BEARINGS:

BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011). BASED ON A GPS SURVEY UTILIZING CORNERS STATION "COLB". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.000041869 APPLIED AT BASE POINT N 719,243.91 E 1,833,979.96. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.

BASIS OF STATIONING:

ST. CLAIR AVENUE STATIONING IS BASED OFF OF PLANS TITLED "HAMILTON AVENUE & ST. CLAIR AVENUE IMPROVEMENTS EAST LONG STREET TO OLD LEONARD AVENUE" (2599-E) DATED AUGUST, 2010.

STATIONING FOR THE ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE IS BASED OFF OF PLANS TITLED "ALLEY WEST OF GARFIELD AVENUE FROM ATCHESON ST. TO LEONARD AVE" (D00450_001) AND DATED 2-2-2023.

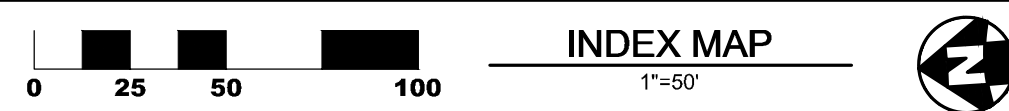
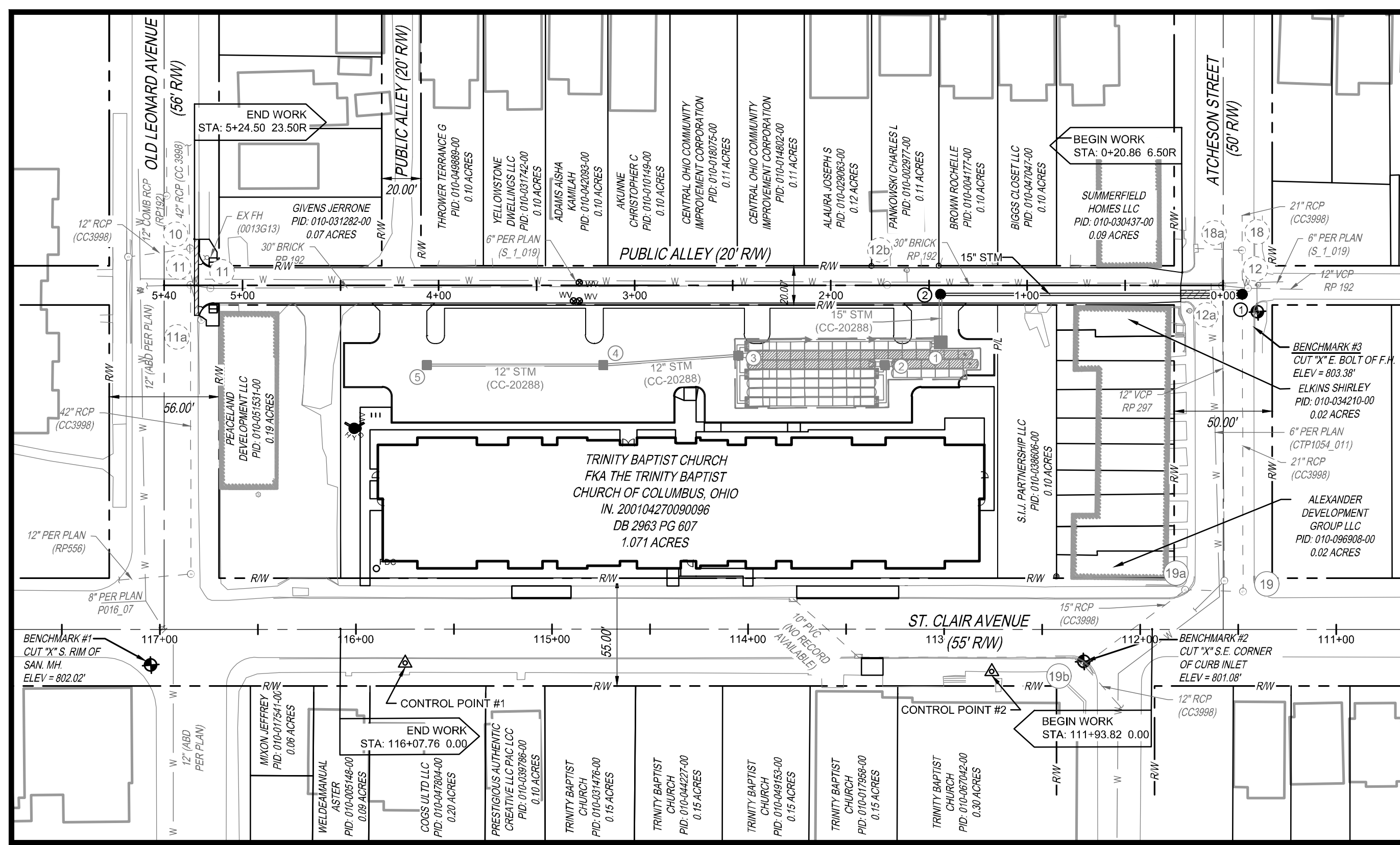
CITY OF COLUMBUS, OHIO

DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

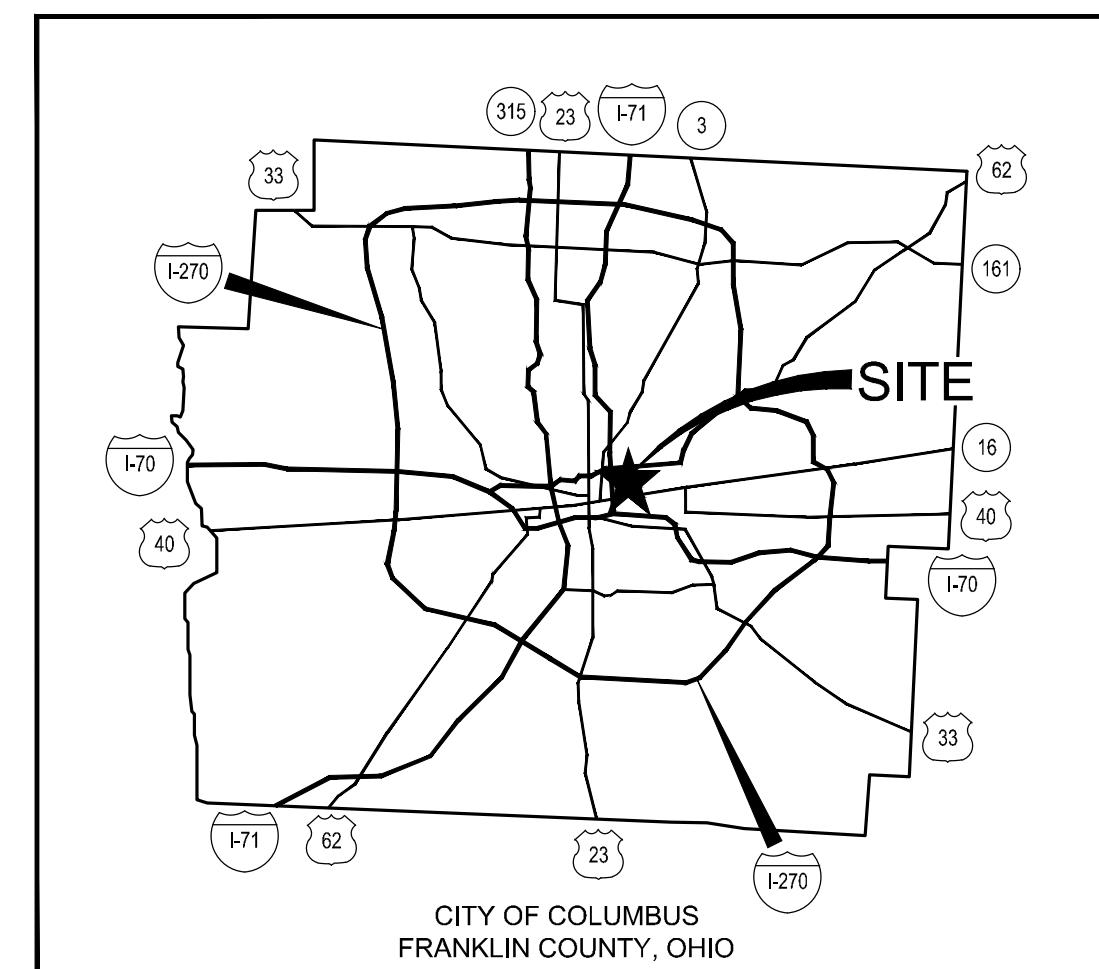
**IMPROVEMENTS OF
ST CLAIR AVE (EAST AND WEST SIDE)**

FROM A POINT 177.37' SOUTH OF LEONARD AVE TO A POINT 374.61' SOUTH OF LEONARD AVE
AND
1ST ALLEY W OF GARFIELD AVE FROM ATCHESON ST
TO LEONARD AVE

FROM A POINT 32.00' SOUTH OF LEONARD AVE TO A POINT 528.00' SOUTH OF LEONARD AVE



RELATED PLANS
STORM (PRIVATE) CC-20288
WATER SERVICE PLAN WSP-7010
FINAL SITE COMPLIANCE PLAN 24048-00163



CITY OF COLUMBUS
FRANKLIN COUNTY, OHIO
LOCATION MAP
N.T.S.

2018 SPECIFICATIONS

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS), 2018 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTS IN EFFECT AT THE TIME OF SIGNATURE BY THE DIRECTOR OF PUBLIC SERVICE, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS NOTED OTHERWISE.

CITY OF COLUMBUS APPROVALS

CITY OF COLUMBUS SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION

ADMINISTRATOR, DIVISION OF POWER

ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE

ADMINISTRATOR, DIVISION OF WATER

DIRECTOR, DEPARTMENT OF RECREATION AND PARKS

FIRE PREVENTION BUREAU, DIVISION OF FIRE

THE KLEINGERS GROUP
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
www.kleingers.com
350 Worthington Rd., Ste. H
Westerville, OH 43082
614-882-4311

ENGINEER

THE KLEINGERS GROUP
350 WORTHINGTON ROAD, SUITE H
WESTERVILLE, OH 43082
PHONE: (614) 882-4311
CONTACT: MICHAEL COUVREUR
EMAIL: MIKE.COUVREUR@KLEINGERS.COM

SITE DATA TABLE

TOTAL SITE AREA:	1.07 ACRES
SITE DISTURBED AREA:	1.07 ACRES
R/W ONLY DISTURBED AREA:	0.29 ACRES
DISTURBED IMPERVIOUS AREA:	1.25 ACRES
TOTAL DISTURBED AREA:	1.36 ACRES
PRE-DEV. IMPERVIOUS AREA:	1.25 ACRES
POST-DEV. IMPERVIOUS AREA:	1.36 ACRES

* STORMWATER QUANTITY AND QUALITY CONTROLS FOR THE IMPROVEMENTS ON THIS PLAN ARE PROVIDED ON CC-20288

ZONING

DEVELOPMENT NAME: NATIONAL CHURCH
RESIDENCES SCARBOROUGH
ZONING ADDRESS: 480 SAINT CLAIR AVE
CITY COUNCIL ORDINANCE NUMBER: 0348-2023
COUNCIL VARIANCE: CV22-145

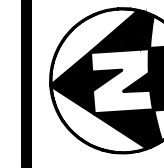
COLUMBUS STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
1441 (7/1/22)	AA-S102
1442 (7/1/22)	AA-S104
1500 (9/19/15)	AA-S106
1540 (9/19/15)	AA-S107
1550 (9/19/15)	AA-S112
1640 (3/1/23)	AA-S117
1641 (3/1/23)	AA-S119
2000 (3/30/18)	AA-S149
2150 (7/1/22)	AA-S150
2151 (7/1/20)	AA-S151
2171 (4/30/18)	
2179 (7/1/21)	
2202 (7/1/22)	
2300 (1/11/21)	

REVISION	DESCRIPTION	SHEET(S)	INITIAL	DATE



4047 - E

1 / 12



1" = 50'
HORIZONTAL SCALE

CALCULATED
DJM
CHECKED
MJC

TITLE SHEET

ST CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 177.37' SOUTH OF LEONARD AVE TO A POINT 374.61' SOUTH OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
FROM A POINT 32.00' SOUTH OF LEONARD AVE TO A POINT 528.00' SOUTH OF LEONARD AVE

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

TITLE SHEET

	02/15/2024
DRAWN BY DJM	CHECKED BY MJC
	22186.00
	C401
	PERMIT SET

PROGRESS DRAWING NOT FOR CONSTRUCTION

GENERAL NOTES:

2018 SPECIFICATIONS
 THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTS IN EFFECT AT THE TIME OF SIGNATURE BY THE DIRECTOR OF PUBLIC SERVICE, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS NOTED OTHERWISE.
 ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION, CITY OF COLUMBUS.
 APPROVAL OF THIS PLAN IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR CONSTRUCTION OF THE IMPROVEMENT WORK, BE SECURED BY THE OWNER.

INSPECTION
 INSPECTION ON THIS PROJECT SHALL BE PROVIDED BY REPRESENTATIVES OF THE CITY OF COLUMBUS.
 PRIOR TO CONSTRUCTION, THE DEVELOPER SHALL ENTER INTO A CONSTRUCTION AGREEMENT, POST SURETY AND DEPOSIT INSPECTION FEES WITH THE CITY OF COLUMBUS PUBLIC SERVICE DEPARTMENT FOR THE TOTAL ESTIMATED COSTS OF CONSTRUCTION IN ACCORDANCE WITH COLUMBUS CITY CODE SECTION 901.01.
 THE CONTRACTOR SHALL NOTIFY THE CITY OF COLUMBUS DIVISION OF DESIGN AND CONSTRUCTION (614) 645-0433 AND DIVISION OF SEWERS AND DRAINS (614) 645-7102 AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.

PERMITS
 THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH RED SIGNATURES SHALL BE KEPT ONSITE AT ALL TIMES.
 WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM CITY OF COLUMBUS, DIVISION OF TRAFFIC MANAGEMENT - PERMIT OFFICE, BY CALLING (614) 645-7497 BETWEEN THE HOURS OF 7:30AM AND 4:00PM MONDAY - FRIDAY, FAX (614) 645-1976, EMAIL: cotdpermits@columbus.gov.

UTILITIES
 THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS, THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS.
 SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERAL AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.
PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362-2764. A 48-HOUR NOTICE SHALL BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO OUPS.

AEP OHIO ATTN: ANTHONY GEEVE 700 MORRISON ROAD GAHANNA, OH 43220 TELEPHONE: (614) 953-7941 AJGEEVE@AEP.COM	AT&T ATTN: JAMES HERRELL TELEPHONE: (614) 223-4346 JH7975@ATT.COM	OHIO DEPARTMENT OF TRANSPORTATION ATTN: MITCH BLANKFORD 400 E. WILLIAM STREET DELAWARE, OH 43015 TELEPHONE: (740) 833-9000 FAX: (740) 833-8100 MITCHBLANKFORD@DOT.OHIO.GOV
CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE 211 N. FRONT ST. COLUMBUS, OH 43215 TELEPHONE: (614) 465-3111 FAX: (614) 645-7805 311@COLUMBUS.GOV	COLUMBIA GAS OF OHIO, INC. ATTN: TODD SCHWARZ 2101 W. MAIN ST. SPRINGFIELD, OH 45504 TELEPHONE: (614) 645-5071 FAX: (866) 213-4377 TSHWARZ@NSOURCE.COM	CITY OF COLUMBUS & OHIO EPA ATTN: PAUL PARSONS 1252 FARMWOOD AVE COLUMBUS, OH 43206 TELEPHONE: (614) 645-6700 FAX: (614) 645-1506 PPARSONS@COLUMBUS.GOV
CITY OF COLUMBUS DIVISION OF SEWERAGE & DRAINAGE ATTN: DOUG HOLZ 111 N. FRONT ST. COLUMBUS, OH 43215 TELEPHONE: (614) 645-7933 DHOLZ@COLUMBUS.GOV	CITY OF COLUMBUS DEPARTMENT OF WATER 910 DUBLIN ROAD COLUMBUS, OH 43215 TELEPHONE: (614) 645-7788	BUCKEYE PIPELINE ATTN: BRANDON ALLEN 993 BRODHEAD ROAD, SUITE 100 CORONA, PA 15108 TELEPHONE: (216) 318-2124
CITY OF COLUMBUS DEPARTMENT OF PUBLIC SERVICE TRAFFIC MANAGEMENT 1620 EAST 17TH AVENUE COLUMBUS, OH 43215 OFFICE: (614) 645-7393	CITY OF COLUMBUS DEPARTMENT OF TECHNOLOGY 1355 MCKINLEY AVENUE BUILDING C COLUMBUS, OH 43222 CONTRACTOR LINE: (614) 645-7796	CITY OF COLUMBUS SUPPORT SERVICES DIVISION-COMMUNICATIONS 4211 GROVES ROAD COLUMBUS, OH 43222 TELEPHONE: (614) 724-7047 RADIO ROOM: (614) 724-4006

ACCIDENT
 ATTN: SUSAN STEADMAN
 1800 N. GRAND RIVER AVE
 LANSING, MICHIGAN 48906
 TELEPHONE: (517) 999-3291

EMERGENCY PROVISIONS
 THE CONTRACTOR SHALL PROVIDE TO THE CITY OF COLUMBUS PROJECT REPRESENTATIVE A LIST OF 24 HOUR EMERGENCY TELEPHONE NUMBERS (IN WRITING) PRIOR TO THE START OF CONSTRUCTION.
SECURING EXCAVATIONS & TRENCHES FOR NON-WORKING HOURS
 EXCAVATIONS AND TRENCHES OVER 24 INCHES DEEP SHALL BE SECURELY PLATED OR BACKFILLED DURING NON-WORKING HOURS.
CONSTRUCTION LIMITS
 THE CONSTRUCTION LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE OF THESE CONSTRUCTION LIMITS.
MISCELLANEOUS WORK ITEMS
 THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS, FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENT.

BENCHMARKS AND SURVEY MONUMENTS
 DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 525-3026, PRIOR TO CONSTRUCTION, TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTING, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT.
COMPACTION TESTING AT UTILITY CROSSINGS
 PRIOR TO CONSTRUCTION OF THE PUBLIC ROADWAY, SOIL TESTS SHALL BE MADE ON ALL OPEN CUT UTILITY TRENCHES WHICH CROSS THE PROPOSED PAVEMENTS OR WHICH LIE SUCH THAT THE PROPOSED PAVEMENTS ARE LOCATED WITHIN ANY PART OF THE INFLUENCE LINE OF SAID TRENCH, WHERE SAID RESULTS INDICATE THAT THE TRENCH BACKFILL DOES NOT MEET THE COMPACTION REQUIREMENTS OF CMSC 912. ALL BACKFILL MATERIAL SHALL BE REMOVED, REPLACED, AND RE-TESTED UNTIL COMPLIANCE IS ACHIEVED.
WHEEL CHAIR RAMP TRAINING REQUIREMENT
 ANY CONTRACTOR OR SUBCONTRACTOR INVOLVED IN DIRECTING, PLANNING, LAYOUT, AND/OR CONSTRUCTING WHEELCHAIR RAMPS OR OTHER AIDWAYS REQUIRED UNDER THE "AMERICANS WITH DISABILITIES ACT OF 1990 (ADA)" SHALL HAVE PREVIOUSLY ATTENDED A CITY SPONSORED TRAINING SESSION TO BE PERMITTED TO EXECUTE WORK ON THIS PROJECT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PROJECT SUPERINTENDENTS, SUPERVISORS AND FOREMEN. LABORERS ARE ENCOURAGED, BUT NOT REQUIRED, TO ATTEND. FOR MORE INFORMATION CONTACT THE CITY'S ADA SECTION AT 645-0265.
SAW CUTTING IS INCLUDED
 THE COST OF SAW CUTTING FOR THE REMOVAL OF PAVEMENT, CURB, WALKS, ETC. SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 202 WORK ITEMS. SAW CUTTING IS REQUIRED TO PROVIDE SMOOTH STRAIGHT EDGES FOR REMOVAL PURPOSES.
NEW CURB RADIUS
 INTERSECTION CORNERS OR HORIZONTAL CURVES SHALL MATCH THE EXISTING RADIUS UNLESS NOTED OTHERWISE.
COTA SIGNS AND/OR BUS STOPS
 PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT SENIOR SERVICE PLANNER OF THE CENTRAL OHIO TRANSIT AUTHORITY (COTA) @ PH: (614) 398-4373 OR FAX: (614) 275-5833 TO COORDINATE PROPER BUS MOVEMENTS THROUGH OR AROUND THE JOB SITE DURING THE PROJECT. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, THE TEMPORARY RELOCATION OR REMOVAL OF COTA SIGNS AND/OR BUS STOP LOCATIONS.

GAS SERVICE VALVES ADJUSTED TO GRADE
 THE CONTRACTOR SHALL CONTACT COLUMBIA GAS (614) 469-2244 TO COORDINATE THE ADJUSTMENT OF GAS SERVICE VALVES.
COLUMBIA GAS DAMAGE PREVENTION CENTER
 FOR INFORMATION ON COLUMBIA GAS LINES OR EQUIPMENT, OR IF DAMAGE OCCURS TO GAS LINES OR EQUIPMENT, THE CONTRACTOR CAN CALL THE COLUMBIA GAS DAMAGE PREVENTION CENTER @ (614) 280-7372 OR TOLL FREE @ (866) 832-6243.
NEW PIPE CONNECTION TO AN EXISTING SEWER STRUCTURE
 WHERE THE PLANS PROVIDE FOR NEW PIPE TO BE CONNECTED TO AN EXISTING SEWER STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING AN OPENING AT THE PROPER SIZE, ALIGNMENT, AND ELEVATION FOR THE CONNECTION. THE OPENING SHALL BE MADE LARGE ENOUGH TO RECEIVE AND JOIN THE PROPOSED PIPE PER CMSC ITEM 604.
 NO DIRECT PAYMENT SHALL BE MADE. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 901 - PIPE WITH TYPE L BEDDING.

CONCRETE WALKS
 ALL EXISTING CONCRETE SIDEWALKS BEING REPLACED WITH NEW CONCRETE SIDEWALKS SHALL BE REMOVED AT AN EXISTING JOINT AND REPLACED PER STANDARD DRAWING 2300. INSTALL EXPANSION JOINT WHERE NEW CONCRETE ADJOINS EXISTING SIDEWALK.
 ALL EXISTING CONCRETE SIDEWALKS NOT SCHEDULED FOR REPLACEMENT BUT BEING CROSSED BY THE INSTALLATION OF TRAFFIC ITEMS, ELECTRICAL CONDUIT, PIPING, ETC. SHALL BE FULLY REMOVED AT AN EXISTING JOINT AND REPLACED PER STANDARD DRAWING 2300 UNLESS NOTED OTHERWISE.
 PAYMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608 - CONCRETE WALK.

DIVISION OF POWER
 THE DIVISION OF POWER (DOP) MAY HAVE OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY, AND STREET LIGHTING AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.
 ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S MATERIAL AND INSTALLATION SPECIFICATIONS (MIS) AND THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC). ANY NEW OR RE-INSTALLED UNDERGROUND STREET LIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMSC MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING STREET LIGHT LOCKOUT/TAGOUT (LOTO) PROCEDURE, MIS-1, COPIES OF WHICH ARE AVAILABLE FROM DOP.

EROSION AND SEDIMENT CONTROL
 SITE SPECIFIC SWPS INFORMATION MAY BE FOUND ON THE STORM SEWER PLAN CC-20288. GENERAL PRACTICE AND/OR SITE FIELD CONDITIONS MAY WARRANT VARIATION IN THE PLACEMENT OR USE OF THE SPECIFIED CONTROLS.
 ALL EROSION AND SEDIMENTATION CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF COLUMBUS, ENGINEER, AND/OR THE OHIO EPA.
 THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.
 LAND DISTURBANCE AREAS GREATER THAN ONE ACRE AND/OR PART OF A LARGER COMMON PLAN OF DEVELOPMENT ARE REQUIRED TO SUBMIT TO THE CITY OF COLUMBUS A FULL SCALE EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL. ADDITIONALLY, THE PROPOSED LAND DISTURBING ACTIVITIES MUST COMPLY WITH ALL OF THE PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS TO DETERMINE COMPLIANCE WITH CITY STANDARDS AND REGULATIONS. FAILURE TO COMPLY WITH THESE REGULATIONS MAY SUBJECT THE SITE TO ENFORCEMENT ACTION BY THE CITY. QUESTIONS REGARDING EROSION AND SEDIMENT CONTROL MAY BE REFERRED TO THE STORMWATER MANAGEMENT OFFICE AT 645-6911.

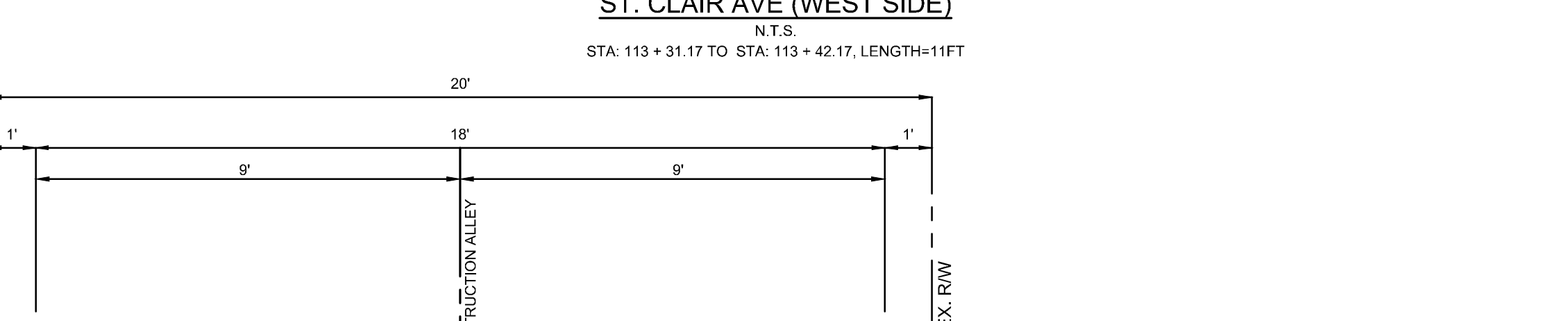
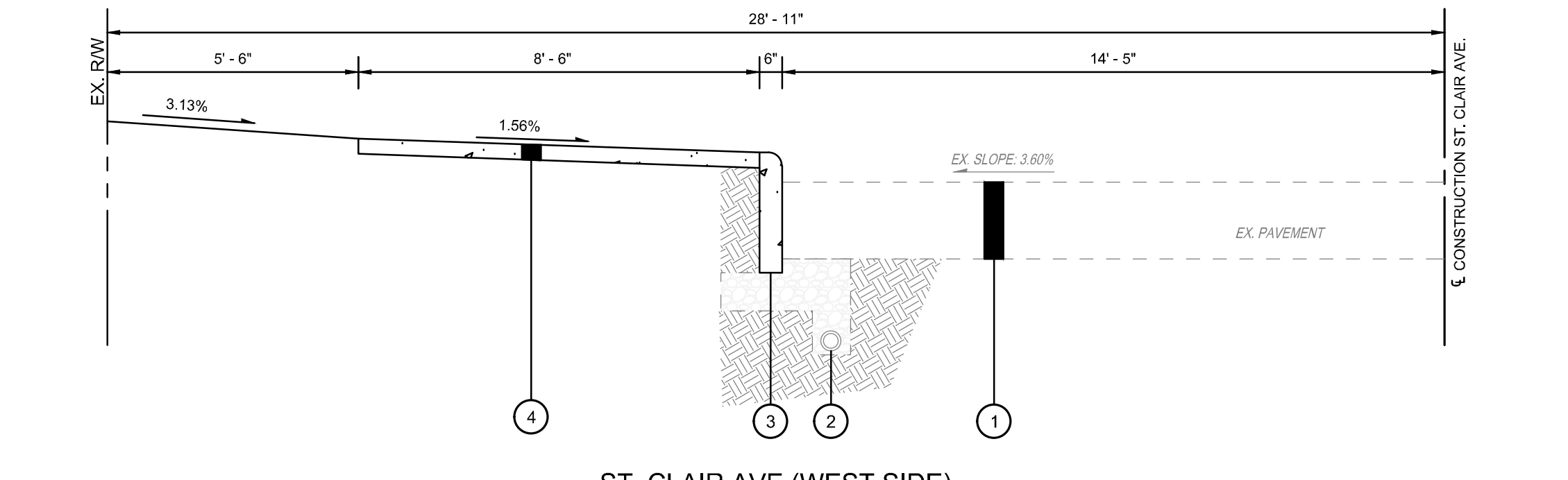
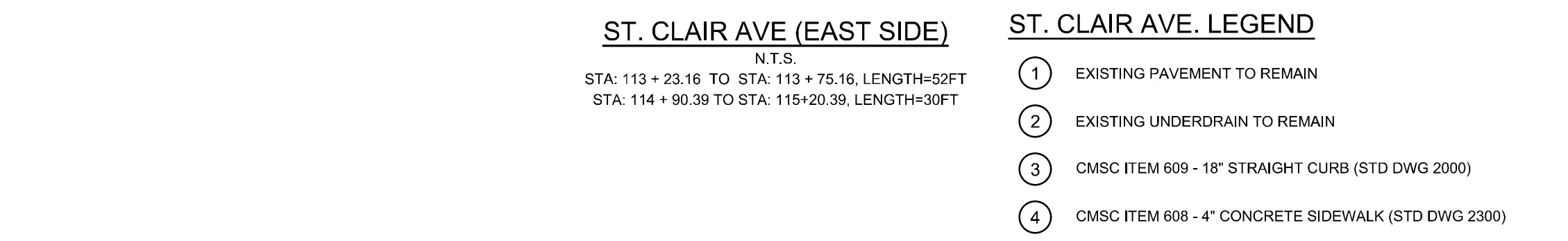
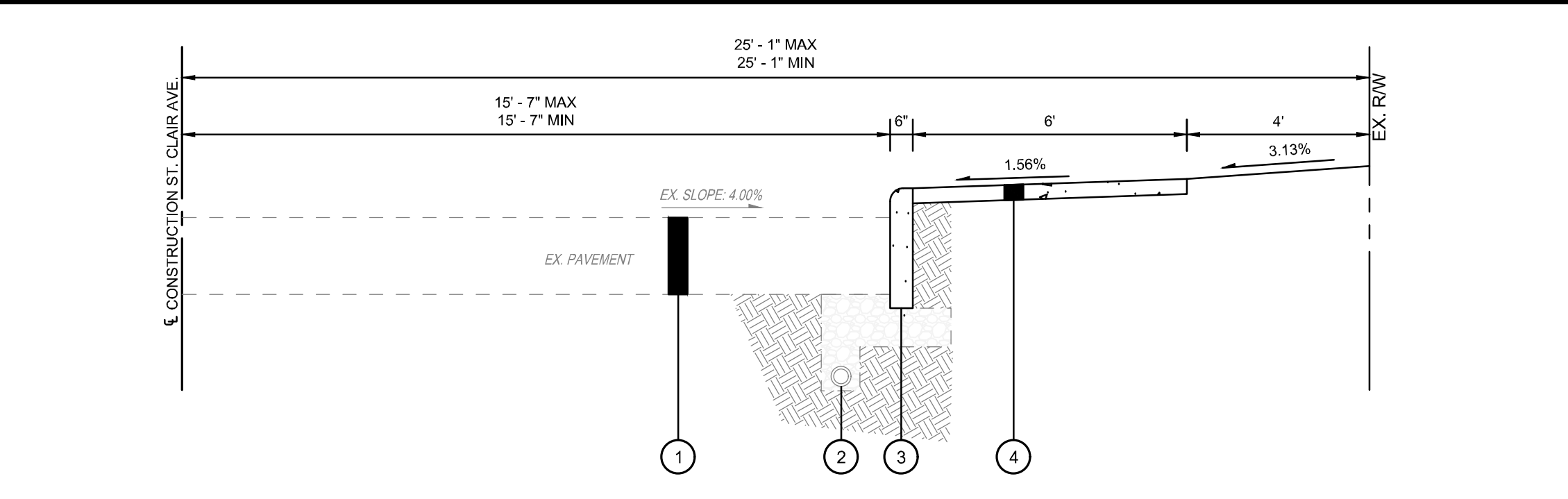
ON-SITE CONTACT: MARK SCHUNK
 PHONE: (614) 325-0564
 E-MAIL: MARKS@FOUNDATIONS.CONSTRUCTION.COM

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS NOTE
 ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 146 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MSA (MUNICIPAL SEPARATE STORM SEWER SYSTEM).
 THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOVIs) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.
 EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH PAVEMENT CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.
 THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE, THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWPP) OR SPILL PREVENTION/REMEDATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

PUBLIC TREE PRESERVATION NOTE
 ALL PUBLIC TREES AND THE GROUND BELOW THEIR RESPECTIVE DRIP LINES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE OR PRUNE IS GIVEN IN WRITING BY COLUMBUS RECREATION & PARKS (CRPD)/CITY FORESTER OR IF THE PUBLIC TREE REMOVAL HAS BEEN DESIGNATED ON THE APPROVED FINAL SITE COMPLIANCE PLAN. TREES APPROVED FOR REMOVAL BY EITHER OF THE CRPD/CITY FORESTER SHALL BE PAID FOR UNDER CMSC ITEM 201. THE CONTRACTOR SHALL PROTECT TREES NEAR OR ADJACENT TO THE WORK AREA TO AVOID DAMAGE TO ALL TREES THAT ARE TO REMAIN. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO EIGHTEEN (18) INCHES BELOW GRADE. ALL CLEANING AND GRUBBING DONE ON CRPD PROPERTY, RIGHT-OF-WAY, OR ANY CITY OF COLUMBUS PROPERTY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT ZONE OF EXISTING PUBLIC TREES. RESTRICTED EQUIPMENT ACCESS ROUTES SHALL BE COORDINATED WITH CRPD INSPECTOR, KETH MAY, AT (614) 645-3014 OR KAMM@COLUMBUS.GOV BEFORE WORK BEGINS. TEMPORARY PAVING MATERIALS, SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING, SPREAD OVER THE ROOT ZONE OF PUBLIC TREES MAY BE REQUIRED TO PREVENT COMPACTION. IF A PUBLIC TREE NEEDS TO BE REMOVED, THE CONTRACTOR SHALL PROVIDE A TREE MITIGATION PLAN TO JIM LONG AT (614) 645-2864 OR JALONG@COLUMBUS.GOV AND EMAIL AND REFER TO THE CRPD TREE MITIGATION PLAN GUIDANCE, ANSI A300 AND/OR CITY OF COLUMBUS EXECUTIVE ORDER 2015-011 FOR TREE PROTECTION AND REPLACEMENT.

PUBLIC TREE PROTECTION NOTE
 A TREE PROTECTION PLAN WITH A DRAWING OF ANY WORK LOCATED WITHIN THE DRIP LINE OF A PUBLIC TREE SHALL BE INCLUDED IN THE APPROVED FINAL SITE COMPLIANCE PLAN (FSCP). REFER TO CRPD STANDARD DRAWING FOR TREE PROTECTION. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED OR PARKED WITHIN THE DRIP LINE OF PUBLIC TREES. ALL TREES MUST BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS, OR ROOTS FROM CONSTRUCTION AND EXCAVATION, AS DESCRIBED IN THE "BEST MANAGEMENT PRACTICES - MANAGING TREES DURING CONSTRUCTION" A COMPANION PUBLICATION TO ANSI A300 PART 6. IF THERE IS A QUESTION WHETHER A TREE OR NOT NEEDS TO BE PROTECTED, THE CONTRACTOR MUST CONTACT THE CITY FORESTRY REPRESENTATIVE, JIM LONG AT (614) 645-2864 OR JALONG@COLUMBUS.GOV. FAILURE TO CONTACT THE CITY FORESTRY FOR THE COST OF ANY AND ALL DAMAGE AS DETERMINED BY THE CURRENT ANSI A300/CITY OF COLUMBUS EXECUTIVE ORDER 2015-011 FOR TREE PROTECTION AND REPLACEMENT.
 THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMITS, AND PAY ANY APPLICABLE FEES, FOR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MAY BE OBTAINED THROUGH THE DIVISION OF WATER PERMIT OFFICE (645-7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES & REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANYTIME IN WHICH THE HYDRANT IS IN USE. PERMITS MAY BE OBTAINED BY ACCESSING [HTTP://PORTAL.COLUMBUS.GOV/PERMITS](http://portal.columbus.gov/permits). COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.

SANITARY SERVICE NOTES
 SANITARY SERVICES ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE SANITARY SERVICES OR THEIR LOCATIONS. CONTACT THE DPU PERMIT OFFICE AT 111 N. FRONT ST FOR SANITARY SERVICE APPROVAL.
WATER SERVICE NOTES
 THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMITS, AND PAY ANY APPLICABLE FEES, FOR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MAY BE OBTAINED THROUGH THE DIVISION OF WATER PERMIT OFFICE (645-7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES & REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANYTIME IN WHICH THE HYDRANT IS IN USE. PERMITS MAY BE OBTAINED BY ACCESSING [HTTP://PORTAL.COLUMBUS.GOV/PERMITS](http://portal.columbus.gov/permits). COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.



ST. CLAIR AVE (EAST AND WEST SIDE)
 FROM A POINT 17.247' SOUTH OF LEONARD AVE TO A POINT 214' EAST OF LEONARD AVE
 ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
 FROM A POINT 17.247' SOUTH OF LEONARD AVE TO A POINT 214' EAST OF LEONARD AVE

BASIS OF BEARINGS:
 BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM (OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING COORS STATION "C01B". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.000041989 APPLIED AT BASE POINT N 719,543.81 E 1,833,876.99. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.

BASIS OF STATIONING:
 STATIONING FOR THE ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE IS BASED OFF OF PLANS TITLED "ALLEY WEST OF GARFIELD AVENUE FROM ATCHESON ST TO LEONARD AVE," (000430_001) AND DATED 2-2-1923.

NOT TO SCALE
 CALCULATED
 DWM
 CHECKED
 MJC
 TYPICAL SECTIONS AND GENERAL NOTES
 ST. CLAIR AVE (EAST AND WEST SIDE)
 FROM A POINT 17.247' SOUTH OF LEONARD AVE TO A POINT 214' EAST OF LEONARD AVE
 ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
 FROM A POINT 17.247' SOUTH OF LEONARD AVE TO A POINT 214' EAST OF LEONARD AVE
 2
 12

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
 National Church Residences
 456 ST CLAIR AVE
 COLUMBUS OH 43202
 FOR
NATIONAL CHURCH RESIDENCES

Moody Nolan
 300 SPRUCE STREET
 SUITE 300
 COLUMBUS, OHIO 43215
 PHONE: (614) 461-4664
 FAX: (614) 280-8881
 CERTIFICATE NO: FIRM 00197475

DRAWING TITLE:
TYPICAL SECTIONS AND GENERAL NOTES

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY DJM	CHECKED BY MJC
	22186.00	
C402		
PERMIT SET		

A. TEMPORARY TRAFFIC CONTROL ITEMS

1. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERRECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTC), CURRENT EDITION. COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43261. **NOTE:** ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 CRASH TESTING GUIDELINES.

2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.

3. THE CONTRACTOR SHALL NOTIFY THE PAVING THE WAY PROGRAM (PTWP) COORDINATOR AT 614-233-4200 BY FAX AT 614-228-1904, OR AT pavetheway@dmppcs.org, OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. WHEN DETOURS ARE PLANNED, THE NOTIFICATION SHALL BE REPORTED TO THE PTWP COORDINATOR AT LEAST 30 DAYS IN ADVANCE OF ANY ROAD CLOSURES. LANE AND RAMP CLOSURES OF LESS THAN TWO WEEKS DURATION AND MORE THAN TWO DAYS SHALL BE REPORTED AT LEAST 3 WORKING DAYS IN ADVANCE. FOR SHORT-TERM LANE OR RAMP CLOSURES (2 DAYS OR LESS) NOTIFICATION SHALL BE MADE AT LEAST ONE DAY IN ADVANCE. THE REPORT SHALL BE A FORMAT APPROVED BY THE PROJECT ENGINEER OR SUPPLIED BY PTWP COORDINATOR.

4. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-8289 OR 614-645-5845, THE COLUMBUS PAVING THE WAY PROGRAM COORDINATOR AT 614-233-4200 OR 614-645-6016, OR pavetheway@Columbus.gov, AND THE PROJECT ENGINEER, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGES SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED.

TYPE OF CHANGE	ADVANCE NOTIFICATION NEEDED
DETOURS / ROAD CLOSURES	30-DAY NOTIFICATION PRIOR TO CLOSURE
LANE CLOSURE LASTING TWO WEEKS OR MORE	2-WEEKS
LANE CLOSURES LESS THAN TWO WEEKS	3-DAYS
LANE CLOSURE OF TWO DAYS OR LESS	1-DAY

THE COLUMBUS PAVING THE WAY PROGRAM COORDINATOR SHALL BE SUPPLIED COPIES OF ALL NOTIFICATION LETTERS SENT TO AREA BUSINESSES AND RESIDENTS.

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER FIGURES 6H-29 (TA-29) AND 6H-20 (TA-20) OF PART VI OF THE OMUTC. ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR.

ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

6. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROL DEVICES SHALL BE AS PER FIGURES 6H-29 (TA-29) AND 6H-20 (TA-20) OF PART VI OF THE OMUTC. ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.

7. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTOR'S EXPENSE.

8. THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROL ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROL ARE STOP, YIELD, ONE-WAY, DO NOT ENTER, AND RESTRICTED TURN SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

9. ITEM 614 - MAINTAINING TRAFFIC, LUMP SUM

ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTC), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614.

IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS DIRECTED BY THE PROJECT ENGINEER
- WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM.

FLAGGERS AND LEOS SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTC. FLAGGING OPERATIONS PERFORMED BY LEOS OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

IF THE CONTRACTOR WISHES TO UTILIZE LEOS FOR TRAFFIC CONTROL OTHER THAN FOR THE REQUIRED IN THE PLANS, THEY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645-4795.

LEOS SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEOS SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT, OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS SAFETY AND SERVICES DIRECTOR AT THE CONTRACTOR'S EXPENSE.

B. TEMPORARY TRAFFIC CONTROL ITEMS

1. PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF ROADWAY. THE MESSAGE SHALL ADVISE THE MOTORISTS OF THE DATES, TIMES, AND DURATION OF THE CLOSURE. THE PCMS SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE START OF THE CLOSURE, OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER.

2. WHEN NOT INCLUDED IN A SIGNED PLAN, A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE TTC COORDINATOR AT 614-645-8289 OR 614-645-5845 AT THE PRE-CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK. FOR APPROVAL, COPIES OF THE APPROVED TTCP SHALL BE GIVEN TO THE PROJECT ENGINEER AND KEPT ON FILE ALONG WITH THE STREET CLOSURE OCCUPANCY PERMIT.

3. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ONLY 42" REFLECTORIZED CHANNELIZING DEVICES (CONES) SHALL BE PERMITTED FOR NIGHTTIME WORK WITH THE APPROVAL OF THE TTC COORDINATOR AT 645-8289 OR 645-5845 PER ODOT STANDARDS.

4. A FLASHING ARROW PANEL (48" x 96"-TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL, (OMUTC).

5. ALL TRENCHES WITHIN THE ROAD RIGHT OF WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF COLUMBUS GENERAL POLICY) ON STEEL PLATE USAGE DATES 1/15/2008 AND 2013 STD. DWG. 1441, LATEST EDITION) DURING NON-WORKING HOURS.

6. TWO-WAY, TWO-LANE (ONE-LANE EACH DIRECTION) TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF EXISTING PAVEMENT PER CITY OF COLUMBUS MAINTENANCE OF TRAFFIC STANDARD CONSTRUCTION DRAWING 1519 AND FIGURE 6H-32 TYPICAL APPLICATION 32 (TA-32) OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

7. THE CONTRACTOR SHALL CONTACT OHIO UTILITY PROTECTION SERVICES (OUPS) TO LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY SIGNALIZED INTERSECTIONS) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE. THE SIGNAL OPERATION ENGINEER (614-645-6116) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISIONS OR POLE RELOCATIONS.

8. THE CONTRACTOR SHALL CONTACT THE DIVISION OF REFUSE COLLECTION, OPERATIONS MANAGER MICHAEL PICKARD, 614-645-1675.

9. NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARMS OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET, BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT SIGNAL OPERATION PERSONNEL AT 614-645-5403 (CELL 614-618-9401) AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SATURDAY & SUNDAY) PRIOR TO BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. IF UNABLE TO MAKE CONTACT THROUGH ABOVE NUMBERS, CALL 614-645-7593. STABILIZATION WILL BE DONE BY THE CONTRACTOR AT THE OWNERS' / CONTRACTING AGENCY'S EXPENSE.

10. SIGNAL CONDUIT CLEARANCE 3' HORIZONTAL AND 1' VERTICAL FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES.

11. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-451-4501) BETWEEN 7:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY. IF UNABLE TO MAKE CONTACT THROUGH THE OTHER NUMBERS, CALL 614-645-7593.

12. SIGNAL CONDUIT CLEARANCE FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES. THE SIGNAL CONDUIT CLEARANCE TABLE CAN BE FOUND IN THE CITY OF COLUMBUS TRAFFIC SIGNAL DESIGN MANUAL, TABLE 13.2. MINIMUM CONDUIT CLEARANCE.

13. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO THE CMS-614.11F, AND SHALL BE PAID FOR THROUGH THE 614-LUMP SUM.

14. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINE ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINAL COURSES OF ASPHALT, PAINT OR TAPE MAY BE USED ON ALL INTERMEDIATE COURSES OF ASPHALT, IF APPROVED BY THE ENGINEER. DRUMS WITH STEADY-BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND KEEP-RIGHT SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.

15. CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER TEM 614-WORK ZONE PAVEMENT MARKINGS AND SHALL BE PLACED WITH

ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE (S). ALL STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED AT A MAXIMUM OF FORTY (40) FEET CENTERS TO CENTER.

C. EXISTING PERMANENT TRAFFIC CONTROL ITEMS

1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL, NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL, SHALL BE REPLACED IMMEDIATELY.

3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROY, OR RENDERED UNREPLACEABLE BY THE PROJECT ENGINEER OF THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING AND MATERIALS SHALL BE REPLACED IN-KIND IF NOW SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL, NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.

D. EXISTING PERMANENT TRAFFIC CONTROL ITEMS

1. ALL OVERHEAD CABLE, DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL DEVICE IS IMPAIRED.

2. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKING TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.

3. PERMANENT STRIPING OR CLASS II TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY LIMIT.

4. IF THE DEPARTMENT OF PUBLIC SERVICE IS TO INSTALL PERMANENT STRIPING, THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE APPLICATION OF THE FINAL COURSE OF PAVEMENT.

ESTIMATE OF QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
DEMOLITION			
201	1	LS	CLEARING AND GRUBBING
201	1	EA	TREE REMOVED, 48-INCH SIZE
201	3	EA	TREE REMOVED, 18-INCH SIZE
202	204	FT	CURB REMOVED
202	891	SF	WALK REMOVED
202	865	SY	PAVEMENT REMOVED
204	1,196	SY	SUBGRADE COMPACTION
255	182	FT	FULL DEPTH PAVEMENT SAWING
STREET			
259	3	CY	PERMANENT PAVEMENT REPLACEMENT, TYPE 1
304	14	CY	AGGREGATE BASE
452	1,079	SY	NON-REINFORCED CONCRETE PAVEMENT
608	839	SF	CONCRETE WALK
608	16	SF	DETECTABLE WARNING, TYPE E
609	227	FT	CURB, STRAIGHT 18"
614	1	LS	MAINTAINING TRAFFIC
653	21	CY	TOPSOIL FURNISHED AND PLACED
659	127	SY	SEEDING AND MULCHING, CLASS 1
UTILITY			
604	1	EA	STORM SEWER MANHOLE (TYPE C)
604	1	EA	STORM SEWER MANHOLE (TYPE E)
604	2	EA	MANHOLE ADJUST TO GRADE
605	508	FT	4" PIPE UNDERDRAIN
901	154	FT	15" STORM SEWER PIPE WITH TYPE 1 BEDDING
SPCC	1	LS	REMOVE/RELOCATE OH ELECTRIC
PAVEMENT MARKING & SIGNAGE			
630	24	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
630	8	SF	SIGN, FLAT SHEET
630	1	EA	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
630	1	EA	REMOVAL OF GROUND MOUNTED POST AND DISPOSAL
642	120	FT	REMOVAL OF PAVEMENT MARKINGS
644	13	FT	CENTER LINE (5" SOLID DOUBLE YELLOW)
TEMPORARY SEDIMENT AND EROSION CONTROL			
207	1	LS	ALL SWPPP PAY ITEMS

NOTES:
1. ADDITIONAL SWPPP QUANTITIES MAY BE DETAILED ON CC-20288.

LEGEND

- 5/8" CAPPED IRON PIN SET
 - 5/8" IRON PIN FOUND
 - ⊙ 1" IRON PIPE FOUND
 - ▲ NAIL SET
 - ▲ NAIL FOUND
 - RR SPIKE SET
 - MONUMENT (HIGHWAY OR CONCRETE)
 - ◆ BENCHMARK
 - ◇ UTILITY POLE
 - ← GUY WIRE
 - UE UNDERGROUND ELECTRIC
 - E OVERHEAD ELECTRIC
 - HVAC UNIT
 - TRANSFORMER
 - GROUND LIGHT
 - ELECTRIC BOX
 - LIGHT POLE
 - LAMP POST
 - ELECTRIC MANHOLE
 - UT UNDERGROUND TELEPHONE
 - T OVERHEAD TELEPHONE
 - TELEPHONE MANHOLE
 - TELEPHONE PEDESTAL
 - G GAS MAIN
 - Gas Valve
 - UNDERGROUND ELECTRIC TV
 - UFO UNDERGROUND FIBER OPTIC
 - PULL BOX
 - CABLE/TV BOX
 - W WATER MAIN
 - FIRE HYDRANT
 - WATER VALVE
 - MONITORING WELL
 - WELL
- ⊙ WATER METER
 - ⊙ IRRIGATION CONTROL VALVE
 - WATER MANHOLE
 - SANITARY MANHOLE
 - ⊙ CLEAN OUT
 - SANITARY SEWER
 - STORM MANHOLE
 - STORM SEWER
 - CATCH BASIN
 - INLET
 - YARD DRAIN
 - DOWN SPOUT
 - TRAFFIC CONTROL CABINET
 - TRAFFIC SIGNAL POLE
 - SIGN
 - GUARD POST (PIPE BOLLARD)
 - BOLLARD
 - FLAG POLE
 - FENCE
 - HARDWOOD TREE
 - 804 CONTOUR LINES
 - 805
 - CONCRETE
 - GRAVEL
 - ASPHALT
 - LANDSCAPE AREA
 - BRICK / PAVER
 - DECK / PORCH

NOT TO SCALE

CALCULATED
BY DJM

CHECKED
BY MJC

MAINTENANCE OF TRAFFIC NOTES AND ESTIMATE OF QUANTITIES

ST. CLAIR AVE (EAST AND WEST SIDES)
FROM A POINT 17.27' SOUTH OF LEONARD AVE TO A POINT 24.41' EAST OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM AT CHESON ST TO LEONARD AVE
AREA AFFECTED SHALL BE SHOWN AS TO BE AFFECTED BY THE PROPOSED WORK

4047 - E

3
12

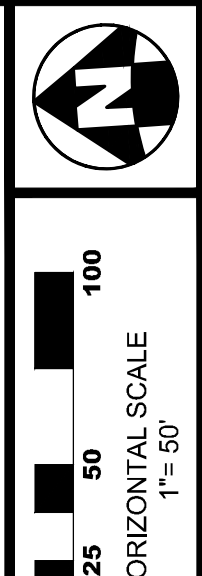
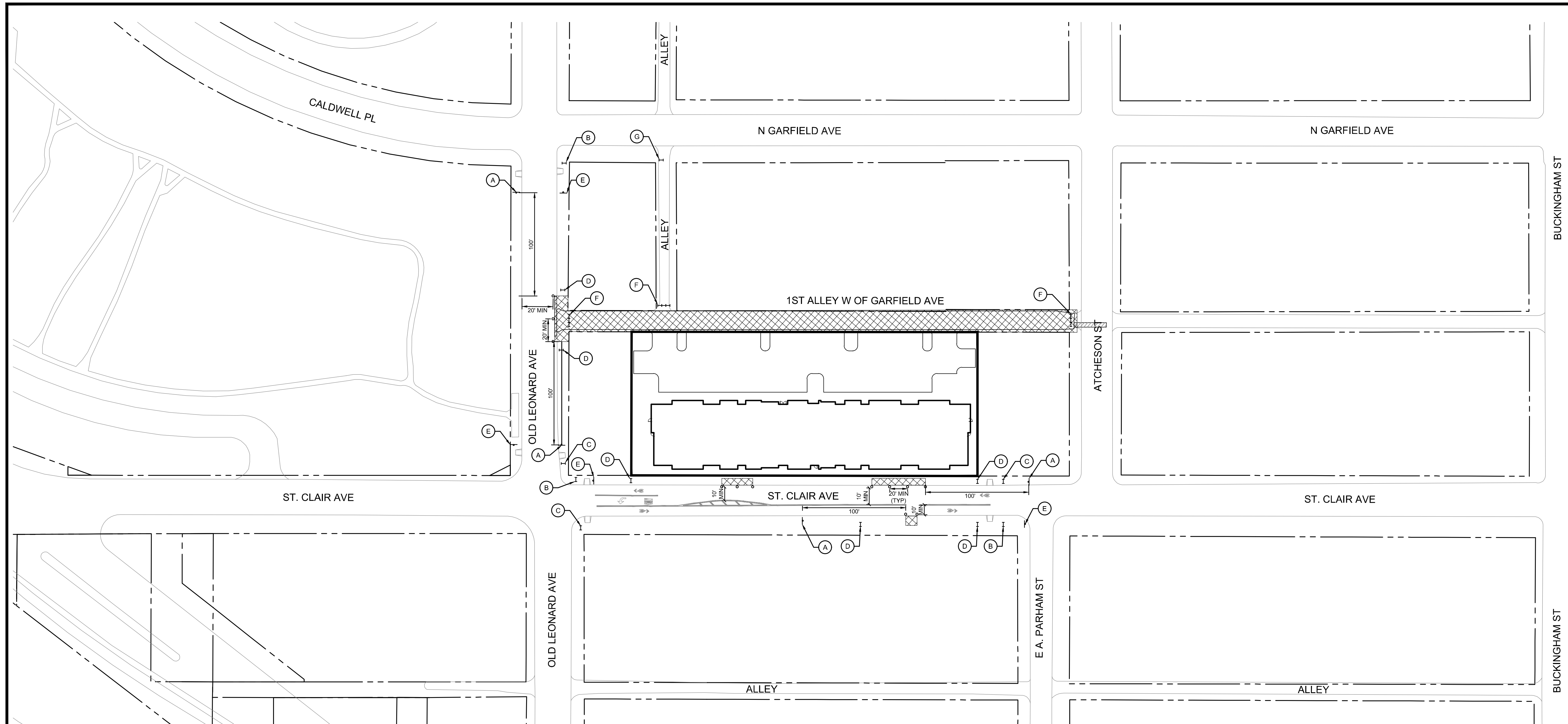
#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
National Church Residences
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

MAINTENANCE OF TRAFFIC NOTES AND ESTIMATE OF QUANTITIES

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY DJM	CHECKED BY MJC
	22186.00	
	C403	
PERMIT SET		



CALCULATED
DJM
CHECKED
MJC

MAINTENANCE OF TRAFFIC PLAN

ST. CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 17' 2 1/2" SOUTH OF LEONARD AVE TO A POINT 21' 4" AT 150' W OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
ALSO A PORTABLE BARRICADE TO BE PLACED AT THE EAST END OF BARRICADES

A ROAD WORK AHEAD W20-1-48	B SIDEWALK CLOSED AHEAD CROSS HERE R9-11 TYPE II BARRICADE	C SIDEWALK CLOSED AHEAD CROSS HERE R9-11 TYPE II BARRICADE	D SIDEWALK CLOSED USE OTHER SIDE R9-10 TYPE II BARRICADE	E END ROAD WORK G20-2
F R11-2 48"x30" RS-1 36" R11-2 48"x30" 10' TYPE III BARRICADES (SOLID ACROSS STREET)		G W14-2-36" R11-3 60"x30" 6' TYPE III (PORTABLE) AS DIRECTED 54"x10" B/O NO ACCESS TO ALLEY		

LEGEND
+ SIGN
o DRUM
[Hatched Box] WORKING AREA
TRAFFIC DRUM DETAIL
TYPICAL SPACING:
6' RADI
20' TAPERS AND TANGENTS

NOTE:
LAW ENFORCEMENT OFFICER(S) ARE NOT NEEDED UNLESS A HAZARD DEVELOPS. IF A HAZARD DEVELOPS, AN I.E.O. SHALL BE ASSIGNED BY THE COLUMBUS SAFETY DIRECTOR OR SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE.

4047 - E

4
12

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
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CERTIFICATE NO: FIRM 00197475

MAINTENANCE OF TRAFFIC PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
	C404	
PERMIT SET		

PROJECT DATA

OEPA NO#:

DESIGNER: THE KLEINGERS GROUP
350 WORTHINGTON RD, SUITE H
WESTERVILLE, OH 43082
PHONE: (614) 882-4311
CONTACT: MIKE COUVREUR
EMAIL: MIKE.COUVREUR@kleingers.com

OWNER: NATIONAL CHURCH RESIDENCES
2245 NORTH BANK DRIVE
COLUMBUS, OH 43220
PHONE: (614) 332-1714
CONTACT: SARAJANE STEFFES
EMAIL: sstefes@nationalchurchresidences.org

ARCHITECT: MOODY NOLAN
300 SPRUCE ST SUITE 300
COLUMBUS, OH 43215
PHONE: (614) 461-4664
CONTACT: YANITZA BRONGERS-MARRERO
EMAIL: ybrongers-marrero@moody-nolan.com

PROJECT DESCRIPTION: THE PROJECT INCLUDES THE CONSTRUCTION OF A NEW MULTI-FAMILY SENIOR LIVING FACILITY WITH ASSOCIATED PARKING, LANDSCAPING, STORMWATER MANAGEMENT IMPROVEMENTS, AND UTILITY CONNECTIONS.
NOTE: ADDITIONAL EROSION CONTROL INFORMATION FOR SITE WORK CAN BE FOUND WITHIN CC-20288

EXISTING SITE CONDITIONS: THE CURRENT SITE IS USED AS A PARKING LOT WITH THE NORTH END BEING GRASS WITH BUSHES AND TREES.

ADJACENT AREAS: THE SITE HAS PROPERTIES TO THE NORTH AND SOUTH WITH BUILDINGS ON THEM. TO THE WEST IS ST. CLAIR STREET AND TO THE EAST IS A PUBLIC ALLEY.

SOILS: C&A - CROSBY-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES, C/D

CRITICAL AREAS: THE SURROUNDING PUBLIC ROADWAYS SHALL REMAIN CLEAR OF SEDIMENT AND DEBRIS FROM THE PROJECT IMPROVEMENT CONSTRUCTION TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR WHEELS OF DEBRIS AND SEDIMENT TO LIMIT ANY DEPOSITION ON THE EXISTING ROADWAYS.

EROSION & SEDIMENT CONTROL MEASURES: PROPOSED CONSTRUCTION WILL REQUIRE EROSION AND SEDIMENT RUNOFF PROTECTION BY USE OF INLET PROTECTION AND SILT FENCE.

LATITUDE: N 39°58'28" LONGITUDE: W 82°58'39"
ESTIMATED CONSTRUCTIONS DATES: 01/01/2025 - 01/01/2026
TOTAL SITE AREA: 1.07 ACRES
TOTAL DISTURBED AREA: 1.36 ACRES (INCLUDES DISTURBANCE WITHIN THE RW)

EXISTING IMPERVIOUS AREA: 1.25 ACRES
PROPOSED IMPERVIOUS AREA: 1.36 ACRES
INCREASE IN IMPERVIOUS AREA: 4.16%
PRE-CONSTRUCTION RUNOFF COEFFICIENT: C=0.90
POST-CONSTRUCTION RUNOFF COEFFICIENT: C=0.94
ULTIMATE RECEIVING STREAM: SCIOTO RIVER

CONSTRUCTION SEQUENCE

TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS, COORDINATION OF THE CONTRACTORS WORK CREWS WILL BE REQUIRED. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:
A) INSTALL EROSION CONTROL ITEMS.
B) INSTALL MOT ITEMS.
C) STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.
D) PERFORM DEMOLITION WORK.
E) ROUGH GRADING.
F) COMPLETE BASE COURSE FOR PAVING.
G) INSTALL CONCRETE PAVEMENT, CONCRETE WALKS, FINE GRADE, AND PERFORM SEEDING.
H) ANY DISTURBED OR EXPOSED AREAS SHALL BE STABILIZED PER OEPA TEMPORARY AND PERMANENT STABILIZATION REGULATIONS INCLUDING SEEDING, DITCH MATTING, INLET PROTECTION, MULCHING, AND WATERING.

STORMWATER POLLUTION PREVENTION PLAN NOTES

- 1. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND TRAP SEDIMENT FROM AREAS REMAINING DISTURBED FOR MORE THAN 14 DAYS.
2. SEDIMENT BASINS AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED PRIOR TO GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING.
3. USE OF STRUCTURAL SEDIMENT CONTROLS IN STREAMS IS PROHIBITED.
4. PERFORMING CONSTRUCTION ACTIVITIES IN SURFACE WATERS MAY BE SUBJECT TO CWA REGULATION AND/OR STATE ISOLATED WETLAND PERMIT REQUIREMENTS. PRIOR TO WORK, PROJECT OWNERS SHALL CONTACT THE U.S. ARMY CORPS OF ENGINEERS HUNTINGTON, WV DISTRICT OFFICE AT (304) 399-9210 AND OHIO EPA 401/404 AND NON-JURISDICTIONAL STREAM/WETLAND COORDINATOR AT (614) 444-2001 TO ACQUIRE NECESSARY PERMITS FOR CONSTRUCTION ACTIVITIES IN SURFACE WATERS.
5. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
- PREVENT SPILLS
- USE PRODUCTS LIP
- FOLLOW LABEL DIRECTIONS FOR DISPOSAL
- REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
- RECYCLE WASTES WHENEVER POSSIBLE
- DONT POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
- DONT POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
- DONT BURY CHEMICALS OR CONTAINERS
- DONT BURN CHEMICALS OR CONTAINERS
- DONT MIX CHEMICALS TOGETHER

NO TOXIC OR HAZARDOUS WASTES SHALL BE DISPOSED INTO STORM DRAINS, WATERWAYS, SEPTIC TANKS, OR BY BURYING, BURNING, OR MIXING THE WASTES.

- 6. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.
7. ALL CONSTRUCTION & DEMOLITION DEBRIS (C&DD) WASTE SHALL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE.
8. MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO OHIO EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
9. A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN IS REQUIRED FOR SITES WITH ACCUMULATIVE ABOVE GROUND STORAGE OF 1,320 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE.
SITE OPERATORS SHALL IMPLEMENT CONTROLS SPECIFIED IN THE ONSITE SPCC PLAN TO PREVENT, CONTAIN, REMEDIATE AND ELIMINATE ANY IDENTIFIED SPILLS OR LEAKS.

- 10. PUMPING: REGARDLESS OF WHETHER DISCHARGES ARE RECEIVED BY A SEDIMENT SETTLING POND, WATER PUMPED FROM EXCAVATIONS OR OTHER AREAS WHERE WATER IS IN CONTACT WITH EXPOSED SOILS MUST BE DISCHARGED INTO A SEDIMENT BAG SPECIFICALLY DESIGNED FOR THE RATE OF PUMPED FLOW. THE BAG SHALL BE SECURELY ATTACHED TO THE PUMP DISCHARGE LINE TO PREVENT SEPARATION AND LEAKING DURING PUMPING OPERATIONS AND PLACED ABOVE-GROUND TO ALLOW FOR VISUAL MONITORING OF THE BAG WHILE IN USE. THE BAG SHALL BE LOCATED ON A STABLE SURFACE TO PREVENT SEDIMENT TRANSPORT DURING DISCHARGE. WHERE VEGETATED AREAS ARE NOT AVAILABLE, DISCHARGE FROM THE BAG SHALL BE MONITORED TO ENSURE THAT NO TURBID DISCHARGES INTO THE STORM SEWER OR SURFACE WATERS OF THE STATE ARE OCCURRING. IF TURBID DISCHARGES ARE OBSERVED, ADDITIONAL PRACTICES MUST BE USED.
11. ALL CONTAMINATED SOILS MUST BE TREATED AND/OR DISPOSED IN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITIES OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES.

ONE OR MORE OF THE FOLLOWING PRACTICES MUST BE USED TO MANAGE STORMWATER RUNOFF FROM CONTAMINATED SOILS
(1) THE USE OF BERMIS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES
(2) PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR APPROVAL OF THE CITY OF COLUMBUS PRETREATMENT SECTION 614-645-5876) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/ DISPOSAL FACILITY
(3) COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORM WATER FROM COMING INTO CONTACT WITH THE MATERIAL

STORM WATER RUNOFF ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER OHIO EPA'S GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

- 12. SPILL AND SPILL REPORTING: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO OHIO EPA AT (1-800-282-9378).
RELEASES OR SPILL OF 25 GALLONS OR MORE OF PETROLEUM MUST BE REPORTED TO THE FOLLOWING AGENCIES WITHIN 30 MINUTES OF DISCOVERY OF THE RELEASE OR SPILL:
(1) OHIO EPA (AT 1-800-282-9378)
(2) CITY OF COLUMBUS DIVISION OF FIRE (614) 645-7641
(3) NATIONAL RESPONSE CENTER (800) 424-8802
(4) FRANKLIN COUNTY EMA (614) 794-0213
(5) DIVISION OF SEWERAGE AND DRAINAGE, SEWER MAINTENANCE OPERATIONS CENTER (614) 645-7102

- 13. OPEN BURNING SHALL BE PERFORMED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 3745-19. NO MATERIALS CONTAINING RUBBER, GREASE, ASPHALT, OR PETROLEUM PRODUCTS, SUCH AS TIRES, AUTOPARTS, PLASTICS OR PLASTIC COATED WIRE MAY BE BURNED. OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS, WHICH ARE DEFINED AS: 1) WITHIN CORPORATION LIMITS, 2) WITHIN 1,000 FEET OUTSIDE OF A MUNICIPAL CORPORATION HAVING A POPULATION OF 1,000 TO 10,000; AND 3) A ONE MILE ZONE OUTSIDE OF A CORPORATION OF 10,000 OR MORE. OUTSIDE OF RESTRICTED AREAS, NO OPEN BURNING IS ALLOWED WITHIN 1,000 FEET OF AN INHABITED BUILDING ON ANOTHER PROPERTY. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR: HEATING TAR, WELDING, SMUDGE POTS AND SIMILAR OCCUPATIONAL NEEDS, AND HEATING FOR WARMTH OR OUTDOOR BARBEQUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE OR LAND-CLEARING WASTES (PLANT MATERIAL, WITH PRIOR WRITTEN PERMISSION FROM OHIO EPA), AND AGRICULTURAL WASTES, EXCLUDING BUILDINGS.

- 14. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS. IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.

- 15. AIR POLLUTION PERMITS MAY BE REQUIRED FOR ACTIVITIES INCLUDING, BUT NOT LIMITED TO, MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS AND LARGE GENERATORS. CONTACT THE OHIO EPA'S OFFICE OF COMPLIANCE ASSISTANCE AND POLLUTION PREVENTION AT 1-800-329-7518 FOR MORE INFORMATION.

- 16. THE OHIO EPA CONSTRUCTION GENERAL PERMIT AND COLUMBUS CITY CODE 1145 PROHIBIT THE DISCHARGE OF WASH WATER, LEACHATE FROM ONSITE WASTE DISPOSAL SYSTEMS AND CONCRETE WASHOUT ACTIVITIES TO THE CITY'S MUNICIPAL STORMWATER SEWER SYSTEM (MS4) OR WATERS OF THE STATE. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.

- 17. INSPECTIONS FOR ALL CONTROLS SHALL BE PERFORMED AFTER ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24-HOUR PERIOD BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED, AND ONCE EVERY SEVEN CALENDAR DAYS.
THE INSPECTION FREQUENCY MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH FOR DORMANT SITES IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME (E.G., SITE IS COVERED WITH SNOW, ICE, OR THE GROUND IS FROZEN).
THE SWPPP SHALL BE UPDATED TO DOCUMENT THE BEGINNING AND ENDING DATES OF ANY REDUCED INSPECTION FREQUENCY.

- 18. INSPECTIONS OF CONTROLS SHALL BE PERFORMED BY "QUALIFIED INSPECTION PERSONNEL" AS DEFINED IN THE APPLICABLE OHIO EPA CONSTRUCTION GENERAL PERMIT.

FOLLOWING EACH INSPECTION, A CHECKLIST SHALL BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE, AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:
- INSPECTION DATE
- NAMES, TITLES AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION
- WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED
- WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION
- LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE
- LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED
- LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION
- LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION
- CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATE

INSPECTION RECORDS SHALL BE KEPT FOR 3 YEARS FOLLOWING THE SUBMITTAL OF A NOTICE OF TERMINATION FORM TO OHIO EPA.
20. BMPS THAT ARE NOTED AS DEFICIENT DURING INSPECTIONS SHALL BE ADDRESSED WITHIN THE FOLLOWING TIMEFRAMES FROM THE DATE OF INSPECTION:
- REPAIR OR MAINTENANCE OF BMPS (EXCEPT SEDIMENT PONDS) 3 DAYS
- REPAIR OR CLEANING OF SEDIMENT PONDS: 10 DAYS
- REPLACEMENT OF NON-FUNCTIONAL BMPS: 10 DAYS
- INSTALLATION OF MISSING BMPS REQUIRED BY THE SWPPP: 10 DAYS

- 21. IT SHALL BE THE RESPONSIBILITY OF THE SITE OWNER TO PROVIDE NOTIFICATION TO THE CITY OF COLUMBUS, STORMWATER AND REGULATORY MANAGEMENT SECTION AT 614-645-6311 AT LEAST 48-HOURS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND-DISTURBANCE.
22. THE LOCATION WHERE THE FOLLOWING ACTIVITIES ARE TO BE PERFORMED SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, STORM SEWERS OR OTHER DRAINAGE AREAS. THE SWPPP SHALL BE UPDATED THROUGHOUT CONSTRUCTION TO ACCURATELY SHOW THE LOCATION OF THE FOLLOWING ACTIVITIES AND THEIR PROXIMITY TO SURFACE WATER AND DRAINAGE FACILITIES:
- STORAGE OR DISPOSAL OF SOLID, SANITARY, AND TOXIC WASTES (INCLUDING DUMPSTER AREAS)
- RECYCLING OF USED OR UNUSED HAZARDOUS MATERIALS,
- CEMENT TRUCK WASHOUT

A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED TO CONTAIN CONCRETE WASH WATER, MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS
- EQUIPMENT FUELING AND MAINTENANCE

- 23. THE ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT STORAGE ZONE ONCE IT EXCEEDS 50 PERCENT (40 PERCENT FOR SITES LOCATED IN THE BIG DARBY WATERSHED) OF THE MINIMUM REQUIRED SEDIMENT STORAGE DESIGN CAPACITY AND PRIOR TO THE CONVERSION TO THE POST-CONSTRUCTION PRACTICE UNLESS SUITABLE STORAGE IS PROVIDED TO MEET THE VOLUME REQUIREMENTS INDICATED ON THE APPROVED PLANS FOR THE POST-CONSTRUCTION PRACTICE.

- 24. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED ON-SITE, BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE, SOIL) MAY BE UTILIZED, UPON APPROVAL BY THE ENGINEER, IN A WAY WHICH DOES NOT ENCRUST UPON NATURAL WETLANDS, STREAMS OR FLOODPLAINS OR RESULT IN THE CONTAMINATION OF WATERS OF THE STATE.

- 25. ANY PERSON SIGNING DOCUMENTS UNDER THIS SECTION SHALL MAKE THE FOLLOWING CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

- 26. IT SHALL BE THE RESPONSIBILITY OF THE SITE OWNER TO RECEIVE WRITTEN OR ELECTRONIC APPROVAL FROM THE CITY OF COLUMBUS, STORMWATER AND REGULATORY MANAGEMENT SECTION PRIOR TO THE REMOVAL OF ANY SEDIMENT SETTLING POND OR SEDIMENT TRAP AT ANY TIME DURING LAND DISTURBING ACTIVITIES OR PRIOR TO CONVERSION TO A PERMANENT STORMWATER PRACTICE. WITH THE EXCEPTION OF TEMPORARY SEDIMENT SETTLING PONDS AND SEDIMENT TRAPS, AUTHORIZATION BY THE CITY OF COLUMBUS, STORMWATER AND REGULATORY MANAGEMENT IS NOT REQUIRED FOR THE REMOVAL OF TEMPORARY POLLUTION PREVENTION CONTROLS THAT ARE AUTHORIZED FOR REMOVAL AT THE CONCLUSION OF EACH RESPECTIVE CONSTRUCTION SEQUENCE SPECIFIED WITHIN A CITY-APPROVED SWP3.

ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.
DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS; THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.
ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGHOUT THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND IF NECESSARY MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.
THIS PLAN MUST BE POSTED ON-SITE, A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.

4047 - E

NOT TO SCALE

CALCULATED

DJM CHECKED MJC

EROSION CONTROL NOTES

ST. CLAIR AVE (EAST AND WEST SIDE) FROM A POINT 17' EAST SOUTH OF LEONARD AVE TO A POINT 21' EAST OF LEONARD AVE. ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE. AREA PARTIALLY COVERED BY BUSHES AND TREES. SEE ATTACHED DRAWINGS.

5/12

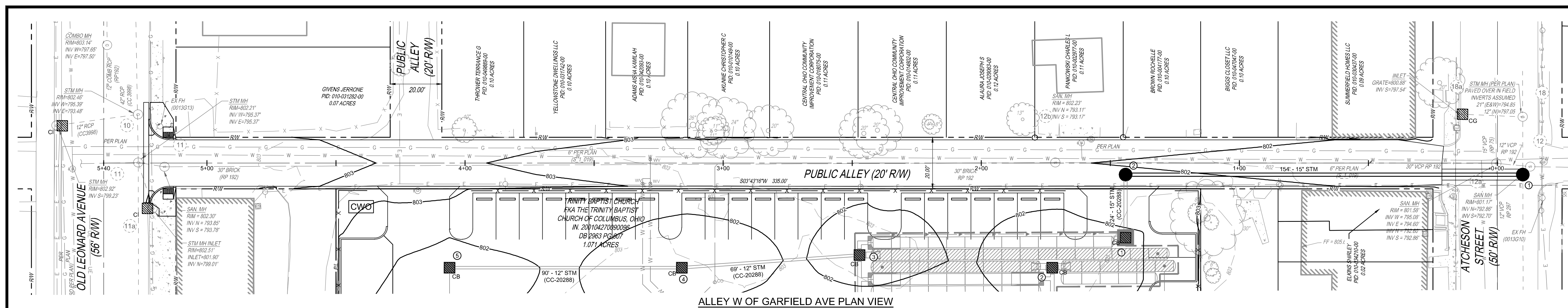
Table with columns: #, DATE, CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE. COLUMBUS OH 43202
FOR NATIONAL CHURCH RESIDENCES

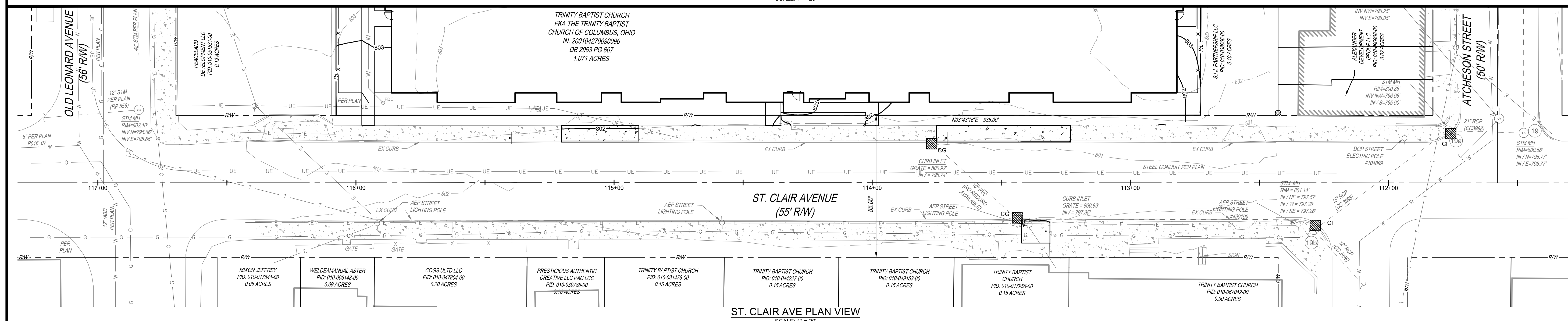
Moody Nolan
300 SPRUCE STREET SUITE 300 COLUMBUS, OHIO 43215
PHONE: (614) 461-4664 FAX: (614) 280-8881 CERTIFICATE NO: FIRM 00197475

EROSION CONTROL NOTES

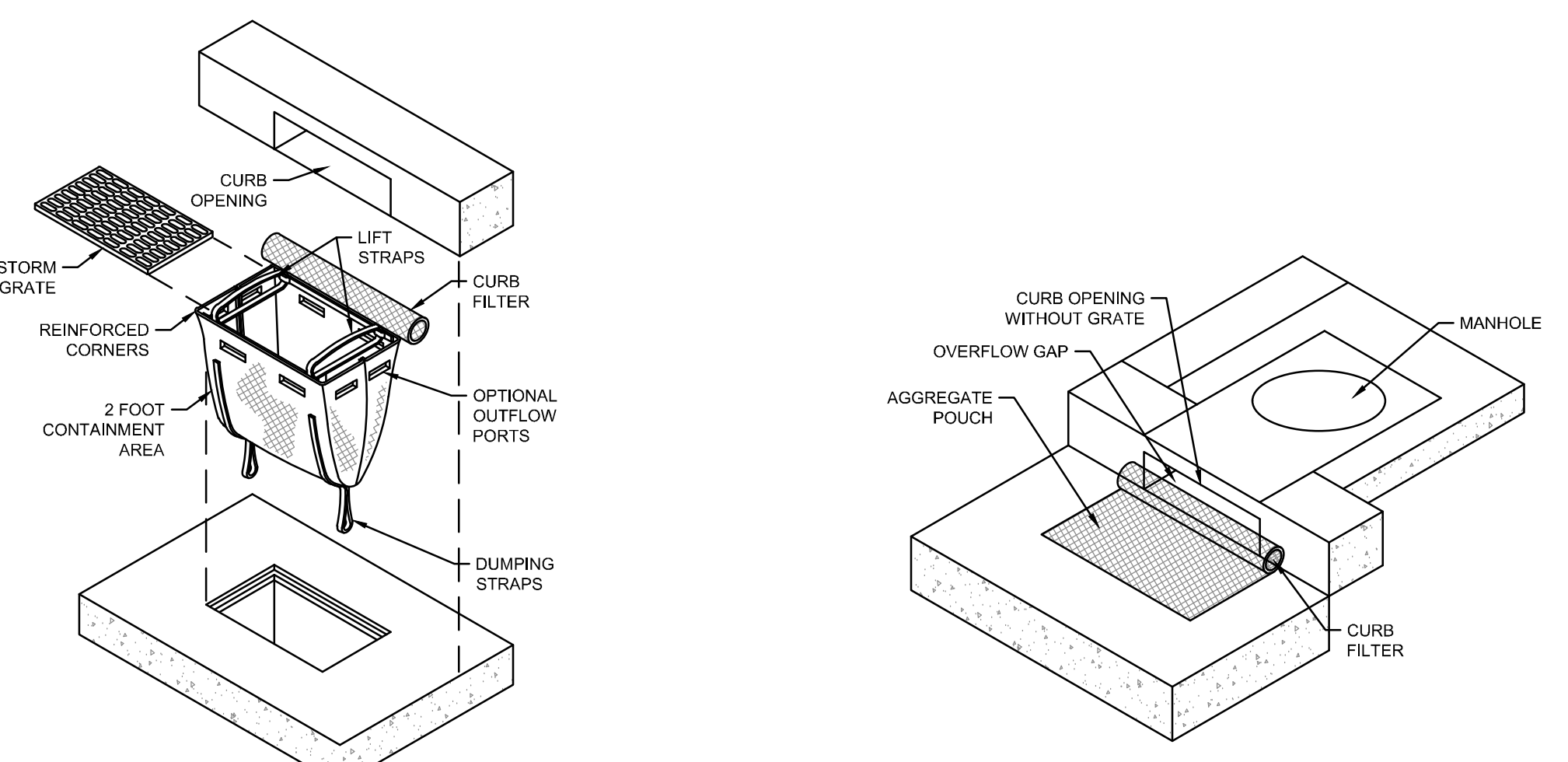
Table with columns: DRAWN BY DJM, CHECKED BY MJC, 2/21/2024, 2/21/2024, C405, PERMIT SET



ALLEY W OF GARFIELD AVE PLAN VIEW
SCALE: 1" = 20'



ST. CLAIR AVENUE PLAN VIEW
SCALE: 1" = 20'



USE FOR INLETS: 1, 2, 3, 4, 5

MECHANICAL PROPERTIES		TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4832	KN (LBS)	1.92 (885) X 0.98 (200)	
GRAB TENSILE ELONGATION	ASTM D 4832	%	24 X 15	
PUNCTURE STRENGTH	ASTM D 4833	KN (LBS)	0.40 (90)	
MULLER BURST STRENGTH	ASTM D 3769	KPA (PSI)	3097 (450)	
TRAPEZOID TEAR STRENGTH	ASTM D 4833	KN (LBS)	0.51 (115) X 0.33 (75)	
UV RESISTANCE	ASTM D 4355	MM (US STD SIEVE)	0.425 (10)	
APPARENT OPENING SIZE	ASTM D 4491	1MM (US GALMIN/FT)	5007 (145)	
PERMITTIVITY	ASTM D 4491	SEC	2.1	

MAINTENANCE: WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED. REMOVE ABSORBENT FOLLOW WHEN NEAR SATURATION.

USE FOR INLETS: 3 EX STRUCTURES

CURB INLET PROTECTION WITH GRATE
N.T.S.

MECHANICAL PROPERTIES		TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4832	LBS	450 X 300	
GRAB TENSILE ELONGATION	ASTM D 4832	%	38 X 21	
TRAPEZOID TEAR STRENGTH	ASTM D 4833	LBS	185 X 150	
CBR PUNCTURE STRENGTH	ASTM D 6841	LBS	1000	
APPARENT OPENING SIZE	ASTM D 4751	US STD SIEVE	30	
PERMITTIVITY	ASTM D 4491	SEC	4.9	
FLOW RATE	ASTM D 4491	GAL/MIN/FT	785	
% OPEN AREA	CODE: 2125-86	%	29	
UV RESISTANCE	ASTM D 4355	%	70	

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH STORM EVENT. IF USING OPTIONAL ABSORBENTS, REMOVE AND REPLACE ABSORBENTS WHEN THEY NEAR SATURATION.

USE FOR INLETS: EX STRUCTURES 11, 11A, 19A, 19B

CURB INLET PROTECTION WITHOUT GRATE
N.T.S.

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO. CHC000006. (SEE TABLE 1)

TABLE 1: PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL BE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO. CHC000006. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOTS)
ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.	PRIOR TO THE ONSET OF WINTER WEATHER

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH. DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

- MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
- MULCH NETTING-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS, USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
- SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC POLYMER (AQUADAC), DCA-70, METROSET, TERBIA, TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
- WOOD CELLULOSE FIBER-WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	PER 1,000 SQ. FT.	PER ACRE
PERENNIAL RYEGRASS	1 POUND	40 POUNDS
TALL FESCUE	1 POUND	40 POUNDS
ANNUAL RYEGRASS	1 POUND	40 POUNDS
SMALL GRAIN STRAW	90 POUNDS	2 TONS
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

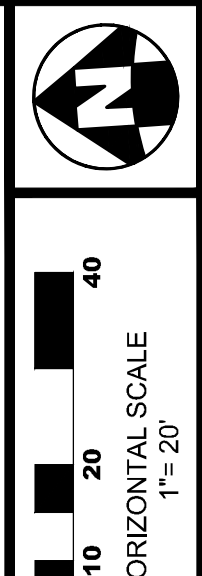
AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE. IF THE AREA IS WITHIN 50 FEET OF A STREAM, ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING	*	*	*	*	*	*	*	*	*	*	*	*
DORMANT SEEDING	*	*	*	*	*	*	*	*	*	*	*	*
TEMPORARY SEEDING	*	*	*	*	*	*	*	*	*	*	*	*
SODDING	*	*	*	*	*	*	*	*	*	*	*	*
MULCHING	*	*	*	*	*	*	*	*	*	*	*	*

PROPOSED EROSION CONTROL LEGEND

- CB CATCH BASIN PROTECTION (SEE CC-20288)
- CG CURB INLET PROTECTION WITH GRATE
- CI CURB INLET PROTECTION WITHOUT GRATE
- CWO CONCRETE WASHOUT (SEE CC-20288)

4047 - E



CALCULATED
DIM
CHECKED
MJC

EROSION CONTROL PLAN

ST. CLAIR AVE (EAST AND WEST SIDES)
FROM A POINT 17.27' SOUTH OF LEONARD AVE TO A POINT 24.41' EAST OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
AREA PARTIALLY SHOWN TO ILLUSTRATE EROSION CONTROL

6
12

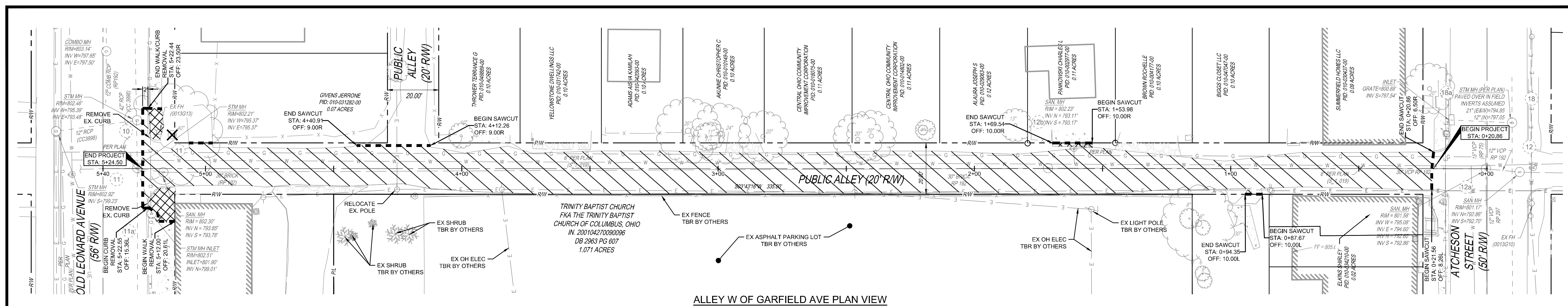
SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

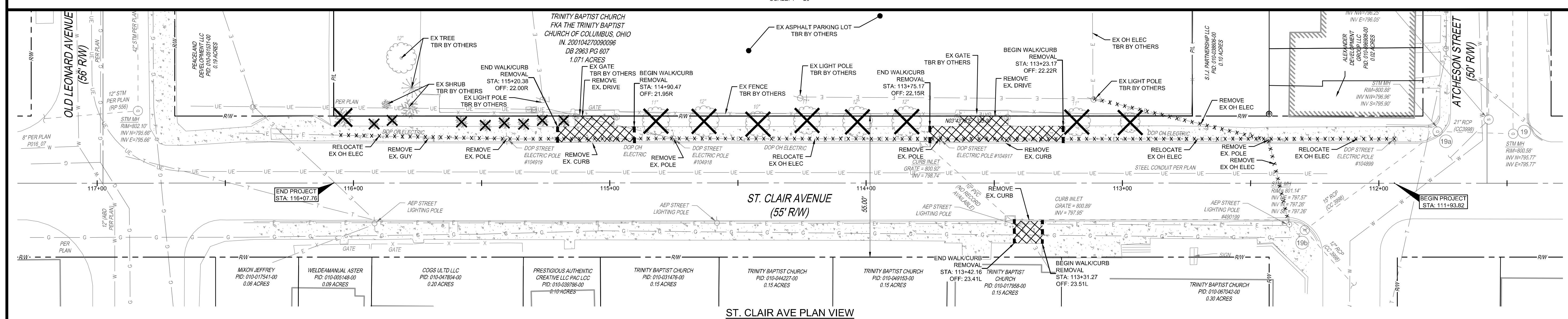
Moody Nolan

EROSION CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024
	DRAWN BY DJM CHECKED BY MJC
	22186.00
C406	
PERMIT SET	



ALLEY W OF GARFIELD AVE PLAN VIEW
SCALE: 1" = 20'



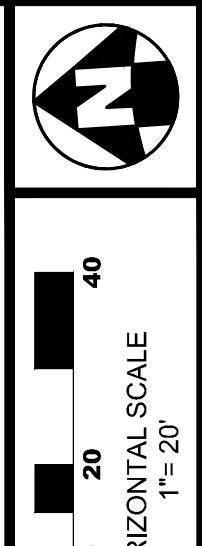
ST. CLAIR AVE PLAN VIEW
SCALE: 1" = 20'

DEMOLITION LEGEND

- REMOVE PAVEMENT
- REMOVE CONCRETE WALK/DRIVE
- SAWCUT LINE
- REMOVE/RELOCATE UTILITY
- REMOVE TREE/SHRUB

NOTES

1. EXISTING STORM SEWERS, SANITARY SEWERS, AND WATERLINES SHALL BE PROTECTED AND REMAIN IN PLACE UNDISTURBED UNLESS SPECIFICALLY LISTED FOR ABANDONMENT AND/OR REMOVAL ON THE DEMOLITION PLAN.
2. ADJUST ALL CASTINGS TO TOP OF FINISH GRADE.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO DEMOLITION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL DEBRIS ASSOCIATED WITH THIS DEMOLITION, NOT PRE-ASSIGNED FOR RETURN TO A SPECIFIC ORGANIZATION, OFF-SITE PRIOR TO PROJECT COMPLETION. IN NO INSTANCE SHALL MATERIAL BE BURIED ON THE SITE.
5. SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALKS AND CURB TO THE NEAREST JOINT. CONNECT PROPOSED CONCRETE TO EXISTING CONCRETE WITH EXPANSION JOINT MATERIAL AS NEEDED.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF ADJACENT PROPERTIES OR STRUCTURES THAT MAY BECOME DAMAGED AS A RESULT OF DEMOLITION.
7. ANY EXISTING PAVEMENT DISTURBED BEYOND THE WORK SHOWN ON THE PLANS SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH ITEM 252 AND CITY OF COLUMBUS STANDARD DRAWING 1441 AT THE CONTRACTOR'S EXPENSE.
8. PROTECT ALL EXISTING SITE FEATURES TO REMAIN. REPAIR ANY DAMAGES TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
9. SAWCUT EXISTING PAVEMENT AT LIMITS OF DEMOLITION WITH NEAT, STRAIGHT LINES.



CALCULATED
DMM
CHECKED
MJC

DEMOLITION PLAN

ST. CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 17.27' SOUTH OF LEONARD AVE TO A POINT 21.41' AT 55.00' OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
FROM A POINT 2.25' SOUTH OF LEONARD AVE TO CURB LINE OF ATCHESON AVE

4047 - E

7
12

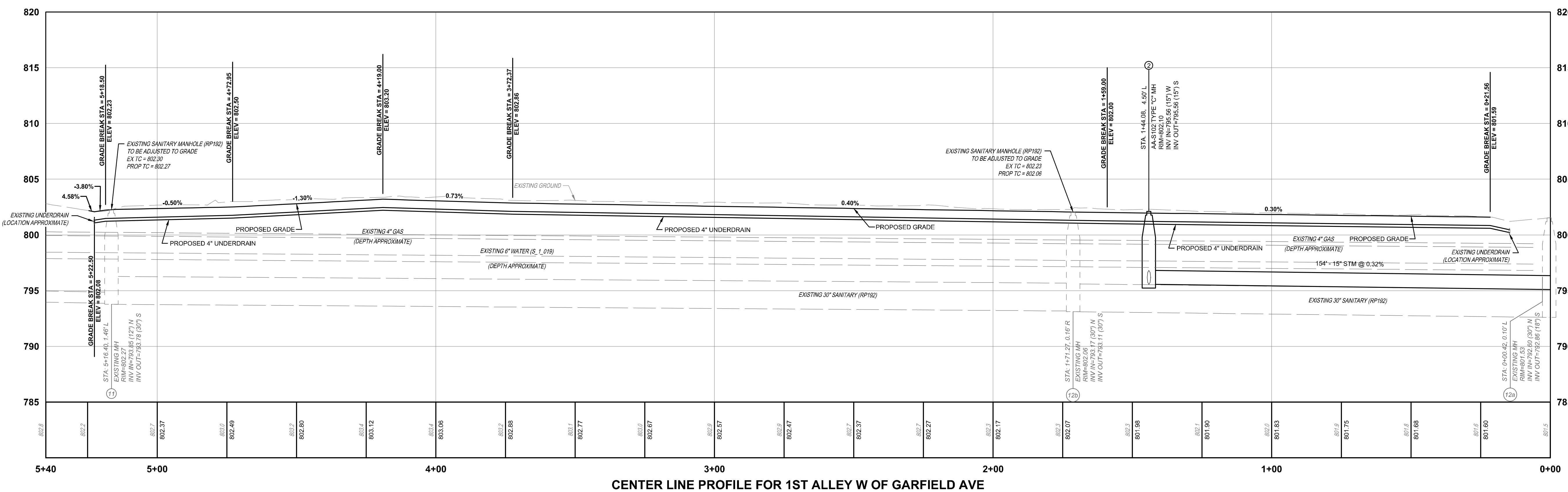
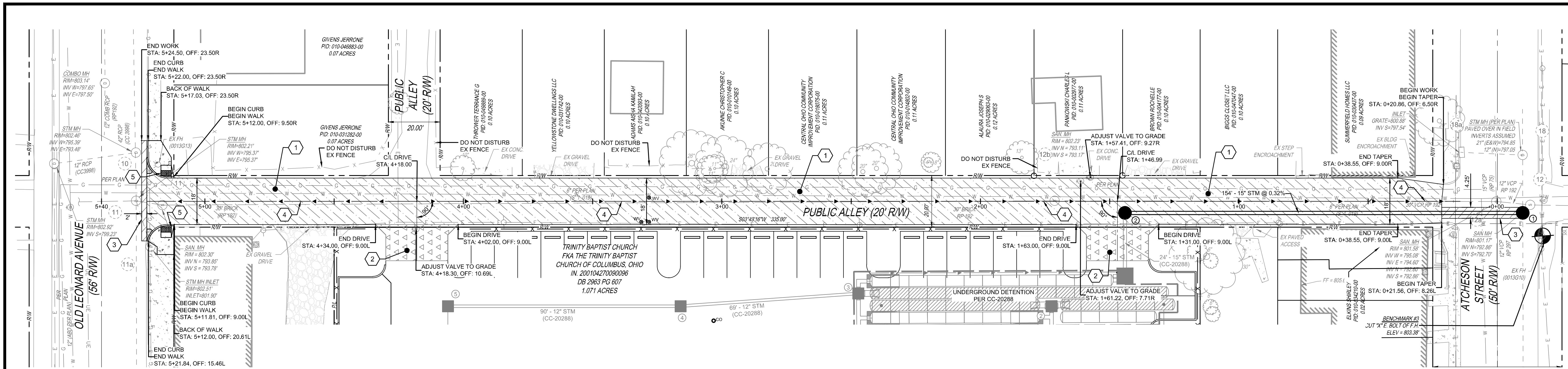
#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST. CLAIR AVE.
COLUMBUS, OH 43202
FOR
NATIONAL CHURCH RESIDENCES

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

DEMOLITION PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY DJM	CHECKED BY MJC
	22186.00	
C407		
PERMIT SET		



CENTER LINE PROFILE FOR 1ST ALLEY W OF GARFIELD AVE

BASIS OF BEARINGS:

BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING CORS STATION 'COLB'. THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.0000441689 APPLIED AT BASE POINT N 719,543.81 E 1,833,876.99. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.

BASIS OF STATIONING:

ST. CLAIR AVENUE STATIONING IS BASED OFF OF PLANS TITLED "HAMILTON AVENUE & ST. CLAIR AVENUE IMPROVEMENTS EAST LONG STREET TO OLD LEONARD AVENUE" (2599-E) DATED AUGUST, 2010.

STATIONING FOR THE ALLEY W OF GARFIELD AVE FROM ATCHESON ST. TO LEONARD AVE IS BASED OFF OF PLANS TITLED "ALLEY WEST OF GARFIELD AVENUE FROM ATCHESON ST. TO LEONARD AVE" (D00430_001) AND DATED 2-2-1923.

NOTES:

- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS. USE CAUTION WHEN EXCAVATING. IF EXISTING UTILITIES ARE IN CONFLICT WITH PROPOSED UTILITIES, PLEASE NOTIFY THE DESIGN ENGINEER.
- ALL ELEVATION ON THIS PLAN ARE BASED ON NAVD 1988 DATUM UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITY CROSSINGS SHALL BE POHOLED PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED IN ADVANCE IF ANY CONFLICTS ARISE.

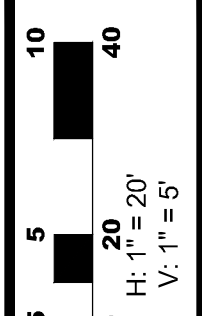
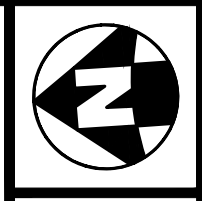
PROFILE VERTICAL DATUM = NAVD 88

PROPOSED LEGEND

- CMSC ITEM 482 - 7\"/> NON-REINFORCED CONCRETE PAVEMENT
- CMSC ITEM 452 - 8\"/> NON-REINFORCED CONCRETE PAVEMENT
- CMSC ITEM 259 TYPE 1 - PAVEMENT REPAIR PER STD DWG 1441
- CMSC ITEM 605 - 4\"/> PIPE UNDERDRAIN
- STORM SEWER PIPE
- STORM SEWER PIPE PER CC-20288
- STORM SEWER PIPE MANHOLE
- CATCH BASIN PER CC-20288

CODED NOTES

- CMSC ITEM 482 - 7\"/> NON-REINFORCED CONCRETE PAVEMENT
- CMSC ITEM 452 - 8\"/> NON-REINFORCED CONCRETE PAVEMENT
- CMSC ITEM 259 TYPE 1 - PAVEMENT REPAIR PER STD DWG 1441
- CMSC ITEM 605 - 4\"/> PIPE UNDERDRAIN
- CMSC ITEM 608 - DETECTABLE WARNING COMPLIANT WITH CITY OF COLUMBUS ADA RULES AND REGULATIONS



CALCULATED
DMM
CHECKED
MJC

PLAN AND PROFILE FOR 1ST ALLEY W OF GARFIELD AVE

ST. CLAIR AVE (EAST AND WEST SIDE) FROM A POINT 17.27' SOUTH OF LEONARD AVE TO A POINT 24.41' SOUTH OF LEONARD AVE ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE FROM A POINT 2.52' SOUTH OF LEONARD AVE TO A POINT 2.52' SOUTH OF LEONARD AVE

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

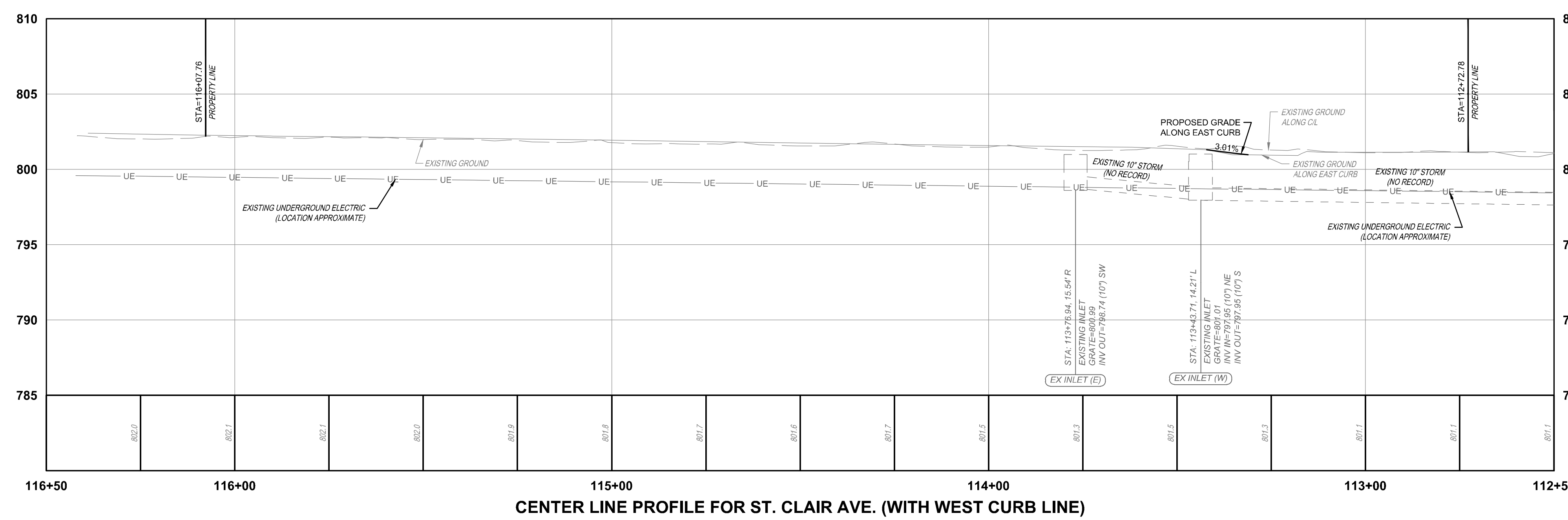
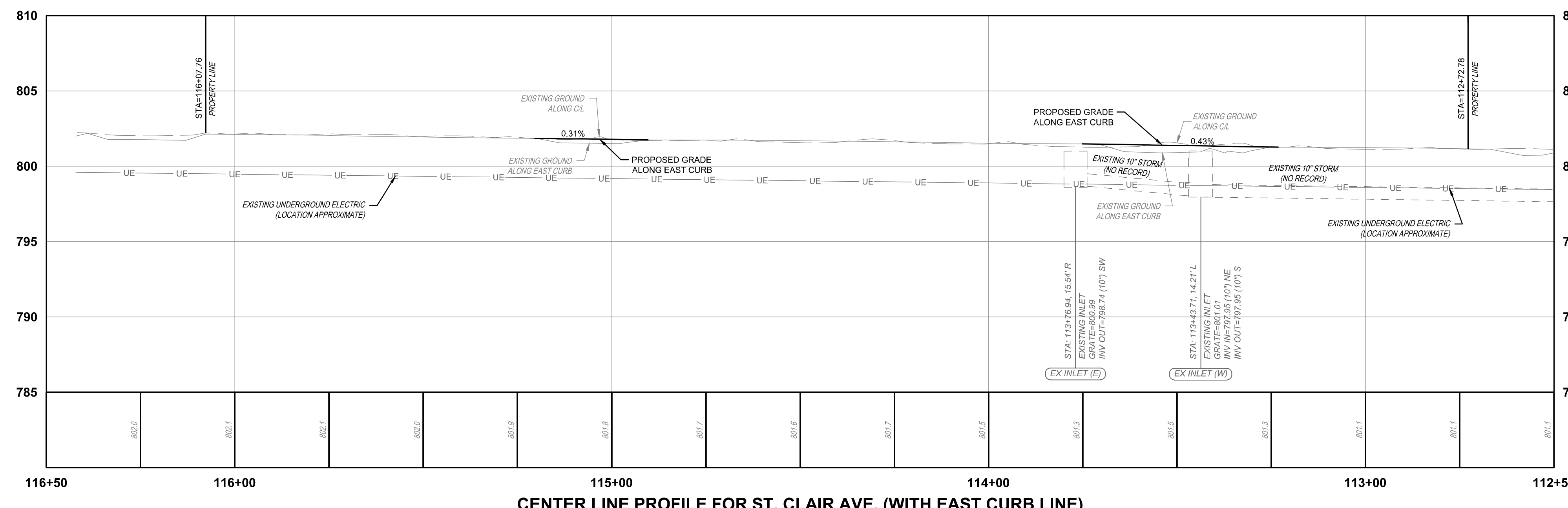
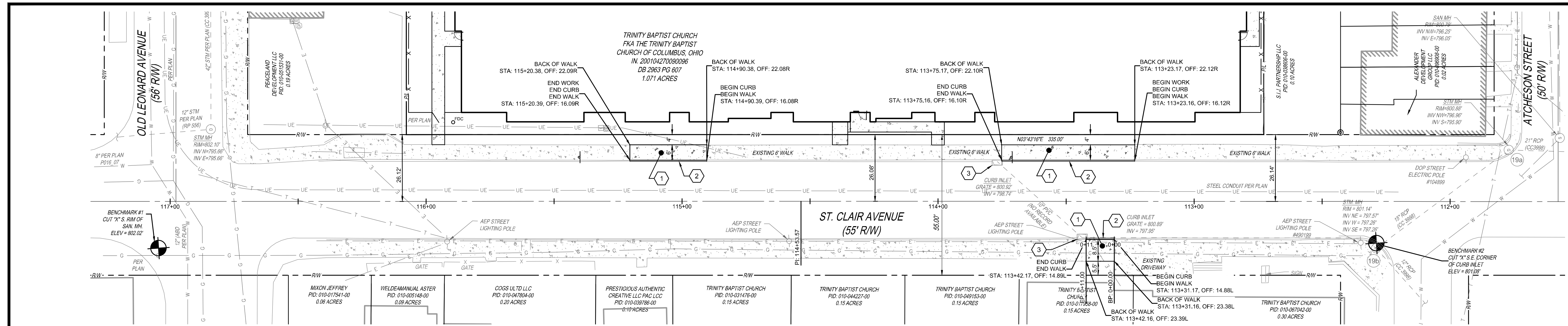
Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

PLAN AND PROFILE FOR 1ST ALLEY W OF GARFIELD AVE

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	DRAWN BY: DJM	CHECKED BY: MJC
		22186.00	
		C408	
		PERMIT SET	

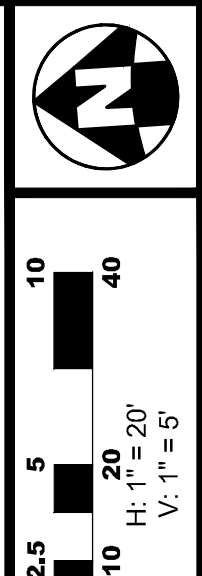
4047 - E

8
12



- PROPOSED LEGEND**
- CMSC ITEM 608 - 4" CONCRETE SIDEWALK (STD DWG 2300)
- CODED NOTES**
- 1 CMSC ITEM 608 - 4" CONCRETE SIDEWALK (STD DWG 2300)
 - 2 CMSC ITEM 609 - 18" STRAIGHT CURB (STD DWG 2000)
 - 3 DO NOT DISTURB EXISTING DRAINAGE INLET
- BASIS OF BEARINGS:**
- BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING CORS STATION "COB". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.00041889 APPLIED AT BASE POINT N 715.54581 E, 1,533,576.76. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.
- BASIS OF STATIONING:**
- ST. CLAIR AVENUE STATIONING IS BASED OFF OF PLANS TITLED "HAMILTON AVENUE & ST. CLAIR AVENUE IMPROVEMENTS EAST LONG STREET TO OLD LEONARD AVENUE" (2099-6) DATED AUGUST, 2010.
- STATIONING FOR THE ALLEY W OF GARFIELD AVE FROM ATCHISON ST TO LEONARD AVE IS BASED OFF OF PLANS TITLED "ALLEY WEST OF GARFIELD AVENUE FROM ATCHISON ST TO LEONARD AVE" (00040_001) AND DATED 2-2-1923.

- NOTES:**
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS. USE CAUTION WHEN EXCAVATING. IF EXISTING UTILITIES ARE IN CONFLICT WITH PROPOSED UTILITIES, PLEASE NOTIFY THE DESIGN ENGINEER.
 - ALL ELEVATION ON THIS PLAN ARE BASED ON NAVD 1988 DATUM UNLESS OTHERWISE NOTED.
 - ALL EXISTING UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED IN ADVANCE IF ANY CONFLICTS ARISE.
- PROFILE VERTICAL DATUM = NAVD 88**



CALCULATED
DMM
CHECKED
MJC

PLAN AND PROFILE FOR ST CLAIR AVE

ST CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 17'37" SOUTH OF LEONARD AVE TO A POINT 24'41" SOUTH OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHISON ST TO LEONARD AVE
FROM A POINT 24'41" SOUTH OF LEONARD AVE TO A POINT 24'41" SOUTH OF LEONARD AVE

9
12

#	DATE	CHANGE DESCRIPTION

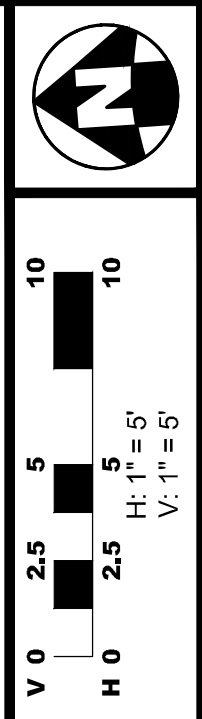
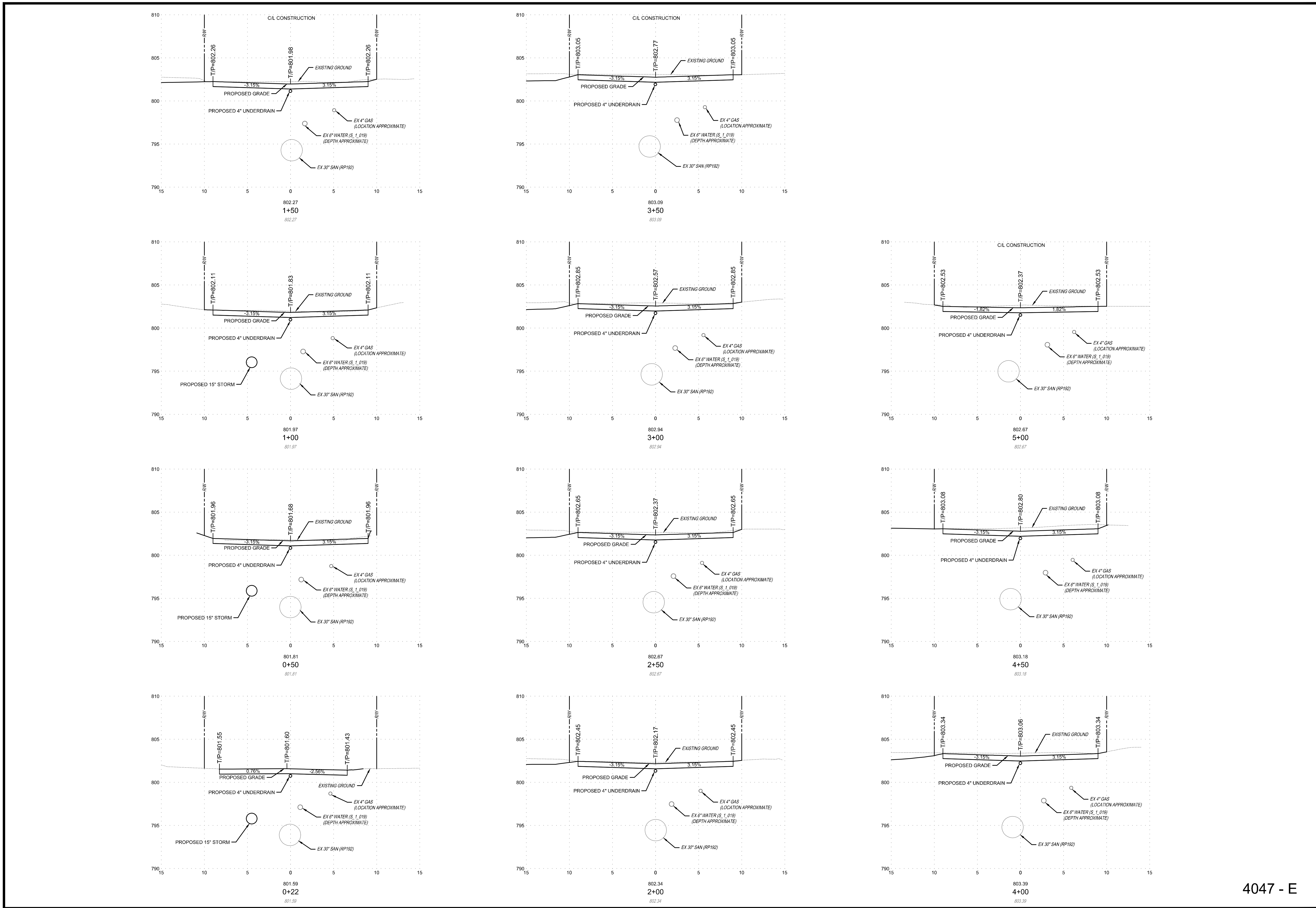
SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

Moody Nolan

PLAN AND PROFILE FOR ST CLAIR AVE

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
C409		
PERMIT SET		



CALCULATED	DJM
CHECKED	MJC

CROSS SECTIONS FOR 1ST ALLEY W OF GARFIELD AVE

ST CLAIR AVE (EAST AND WEST SIDE)
 FROM A POINT 17'37" SOUTH OF LEONARD AVE TO A POINT 2'14" EAST OF LEONARD AVE
 ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
 FROM A POINT 2'60" SOUTH OF LEONARD AVE TO A POINT 2'60" EAST OF LEONARD AVE

10
12

4047 - E

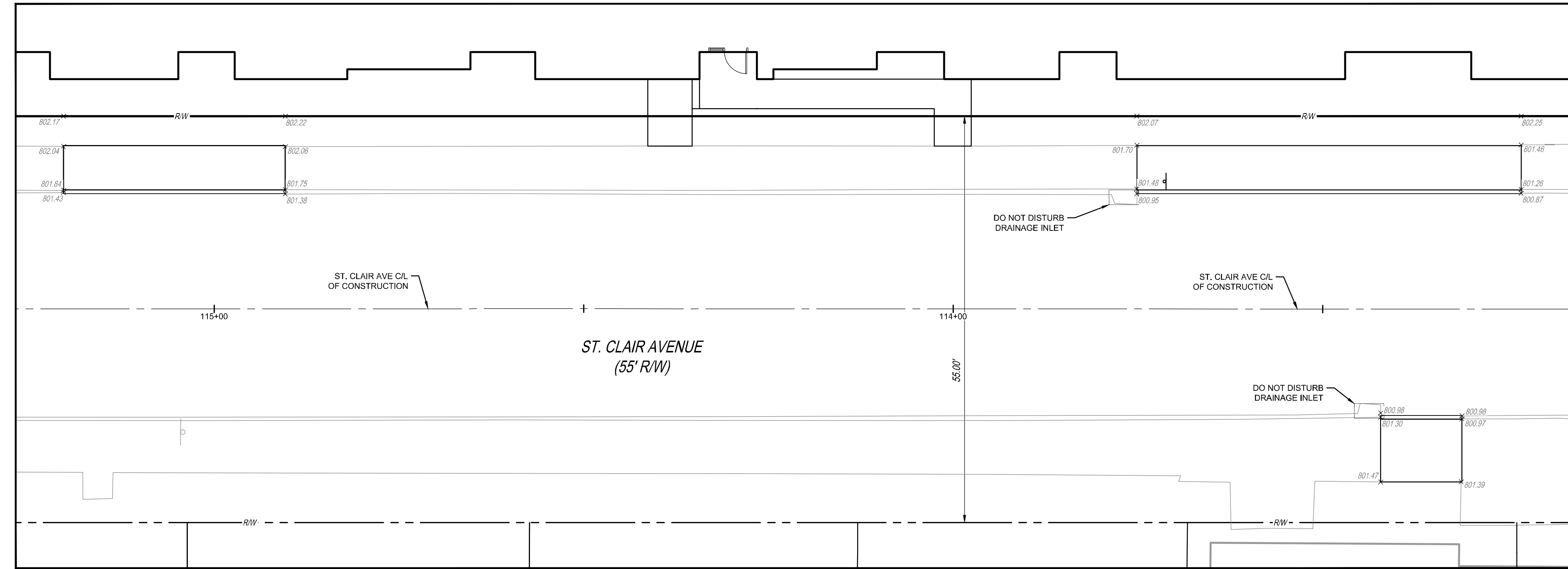
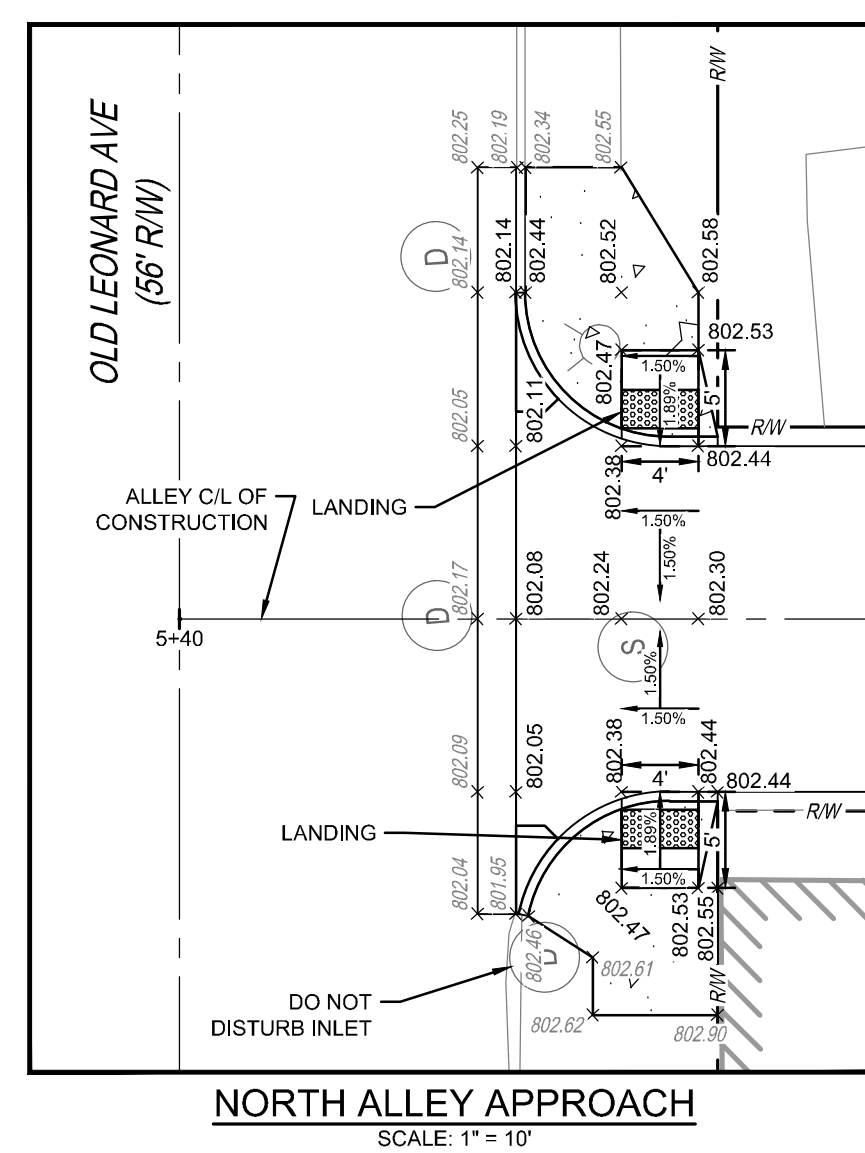
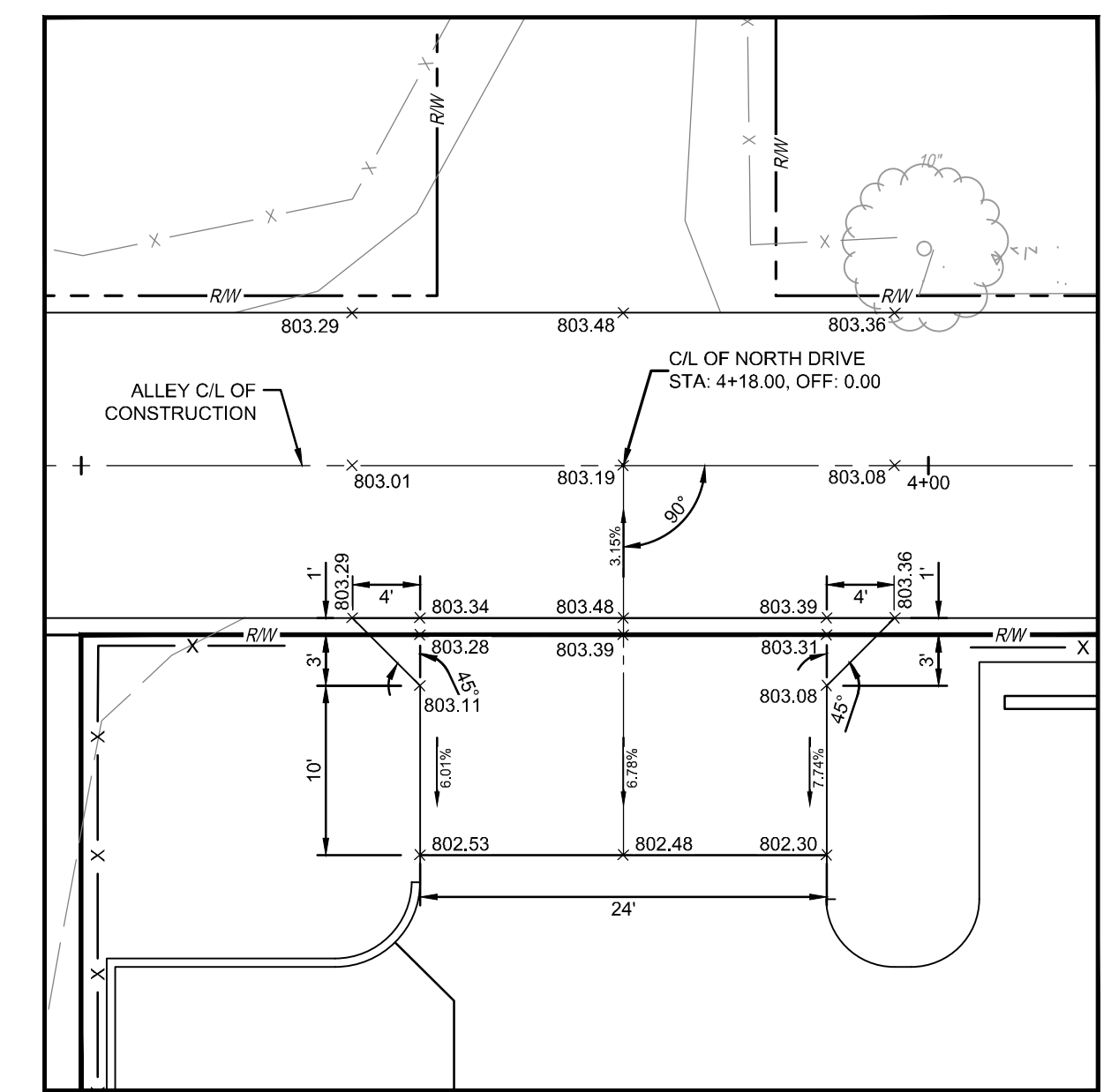
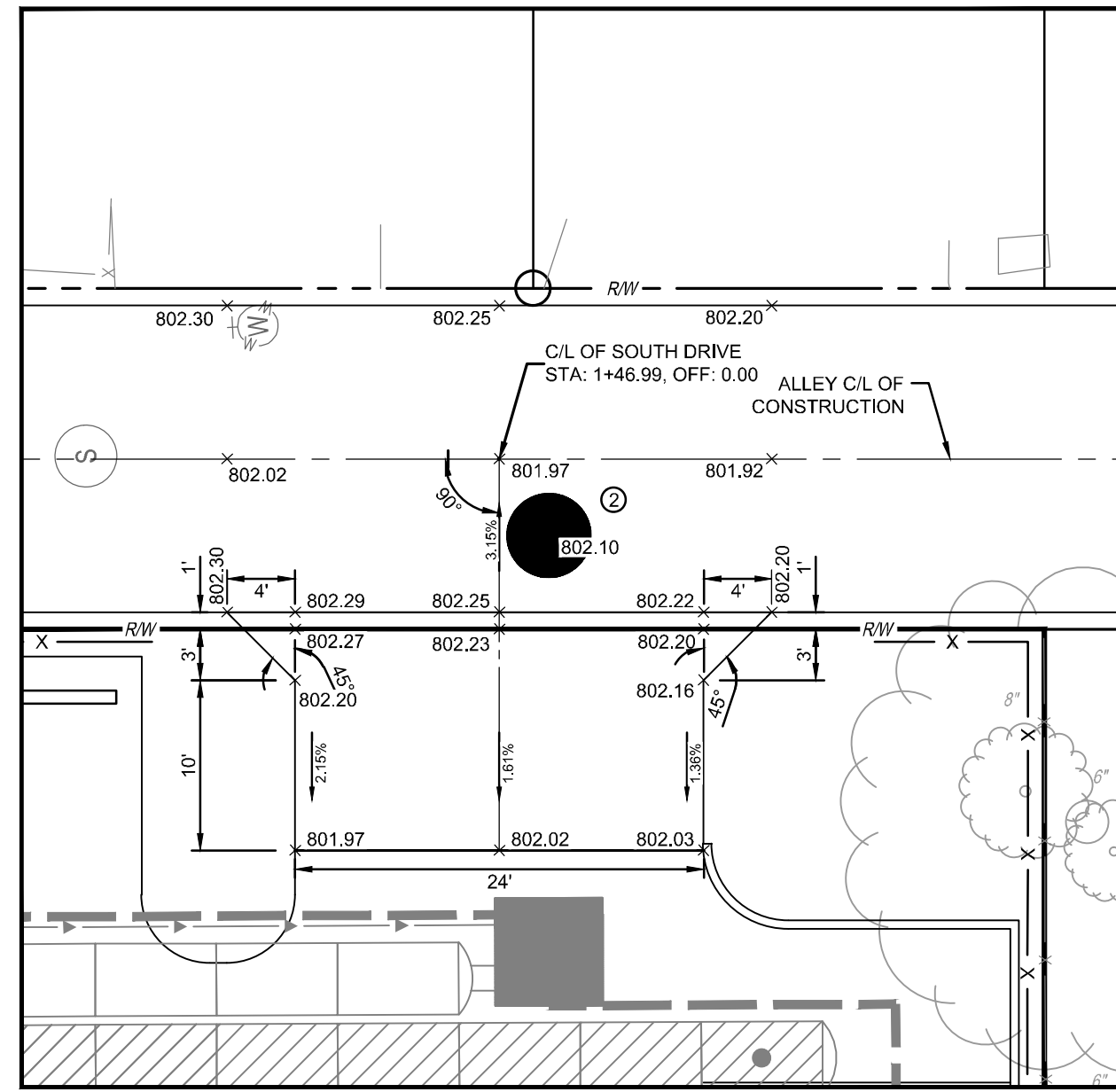
#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
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 COLUMBUS OH 43202
 FOR
NATIONAL CHURCH RESIDENCES

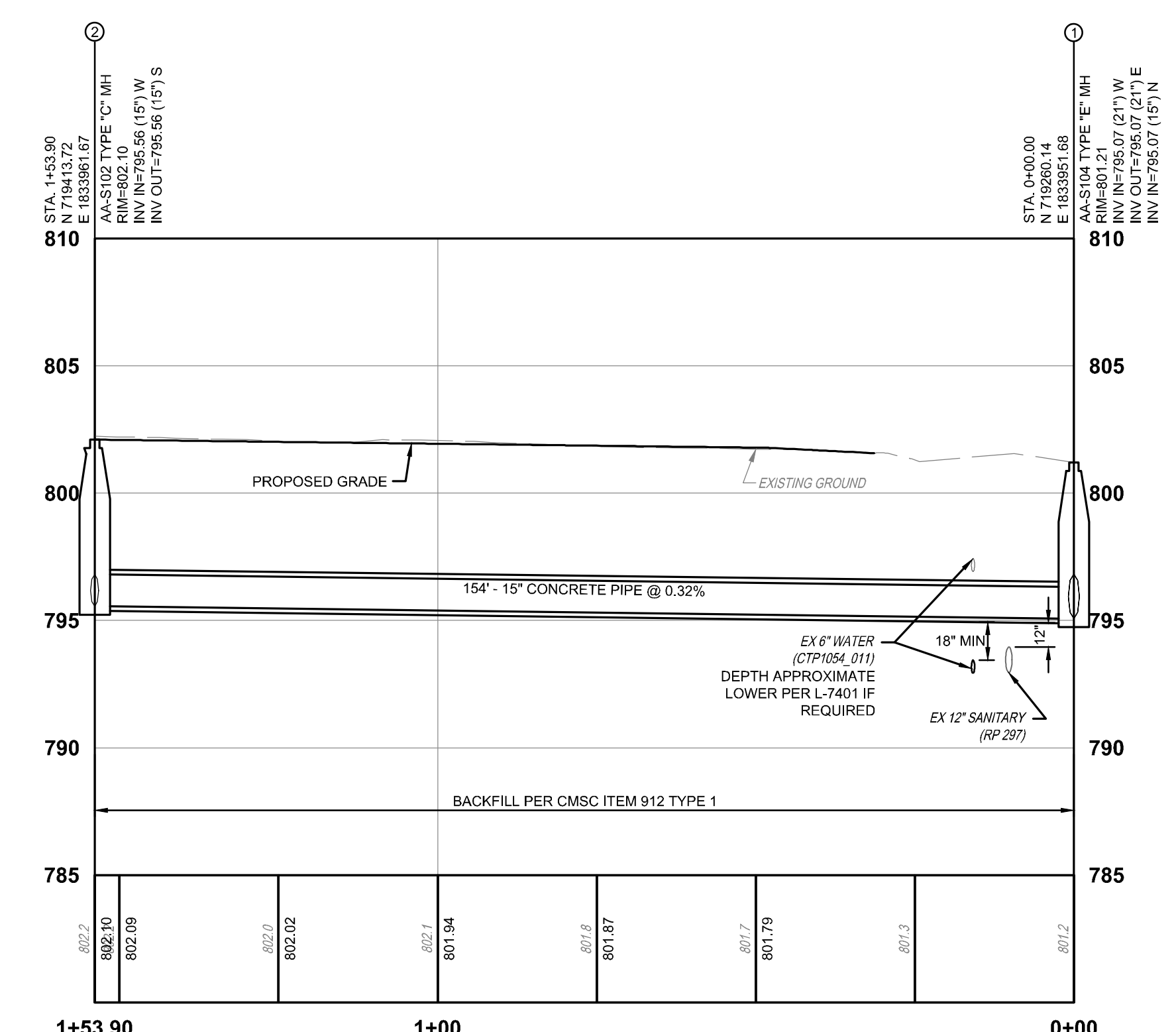
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CROSS SECTIONS FOR 1ST ALLEY W OF GARFIELD AVE

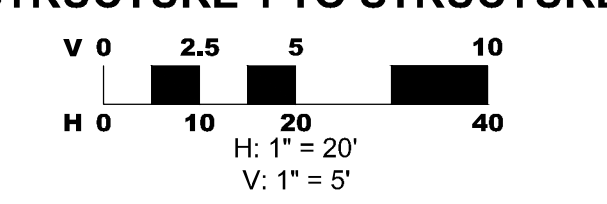
PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY DJM	CHECKED BY MJC
	22186.00	
	C410	
PERMIT SET		



ST. CLAIR AVE. SIDEWALKS
SCALE: 1" = 10"



STRUCTURE 1 TO STRUCTURE 2



BASIS OF BEARINGS:

BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), BASED ON A GPS SURVEY UTILIZING COORS STATION "COLP". THE PROJECT COORDINATES ARE BASED ON STATE PLANE COORDINATES AND HAVE BEEN SCALED TO GROUND BY USING A PROJECT ADJUSTMENT FACTOR OF 1.00041689 APPLIED AT BASE POINT N 719.54331 E 1.833,676.99. GRID AND GROUND COORDINATES ARE IDENTICAL AT THE BASE POINT.

BASIS OF STATIONING:

ST. CLAIR AVENUE STATIONING IS BASED OFF OF PLANS TITLED "HAMILTON AVENUE & ST. CLAIR AVENUE IMPROVEMENTS EAST LONG STREET TO OLD LEONARD AVENUE" (2599-E) DATED AUGUST, 2010.

STATIONING FOR THE ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE IS BASED OFF OF PLANS TITLED "ALLEY WEST OF GARFIELD AVENUE FROM ATCHESON ST. TO LEONARD AVE" (00430_001) AND DATED 2-2-1993.

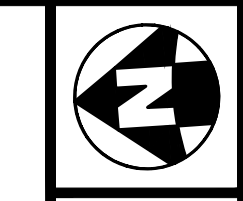
NOTES:

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PROFILE VERTICAL DATUM = NAVD 88

OHIO SOUTH COORDINATES			
STR. NO.	NORTHING	EASTING	NORTHING EASTING
①	719280.14	1833951.68	
②	719413.72	1833961.67	

STORM PIPES		
STR - STR	BEARING	DISTANCE
① - ②	S03° 43' 17.29"W	153.90



AS SHOWN

CALCULATED
DJM
CHECKED
MJC

GRADING DETAILS & STORM SEWER PROFILE

ST. CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 17.27' SOUTH OF LEONARD AVE TO A POINT 21.41' EAST OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
FROM A POINT 20.00' SOUTH OF LEONARD AVE TO A POINT 21.41' EAST OF LEONARD AVE

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
NATIONAL CHURCH RESIDENCES

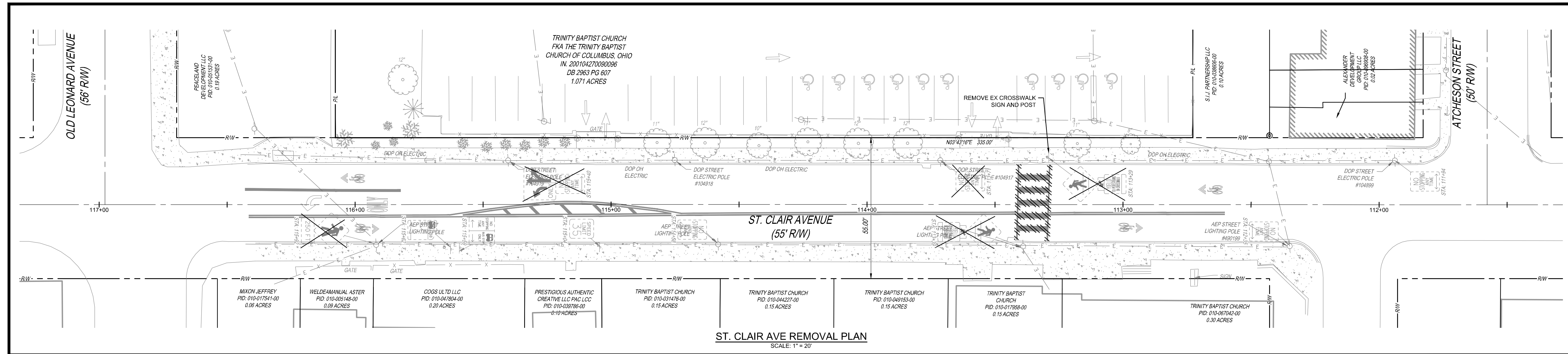
Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

DRAWING TITLE:
GRADING DETAILS & STORM SEWER PROFILE

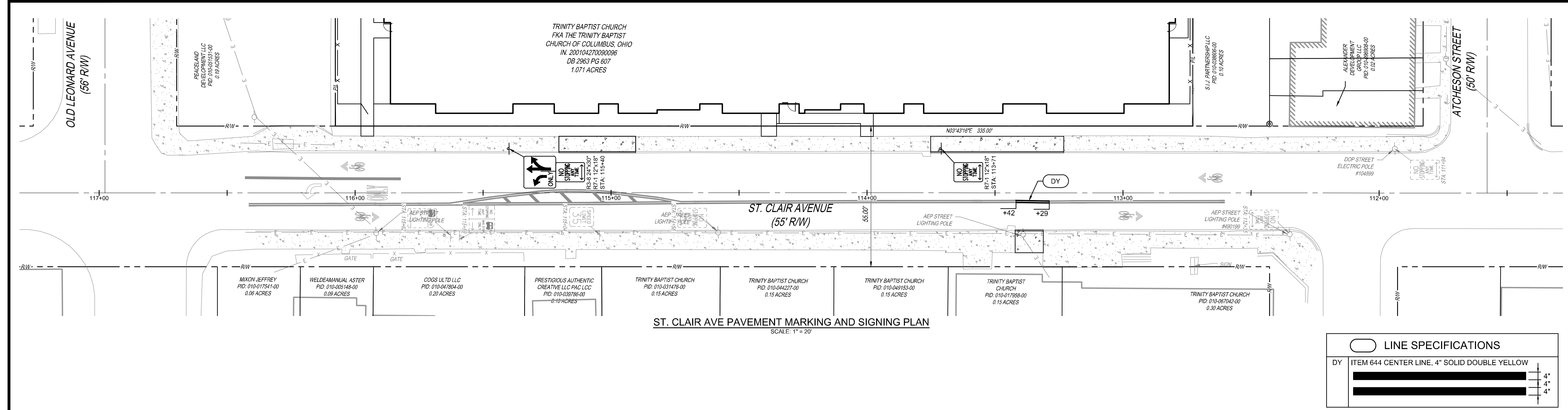
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	22186.00	
	C411	
PERMIT SET		

4047 - E

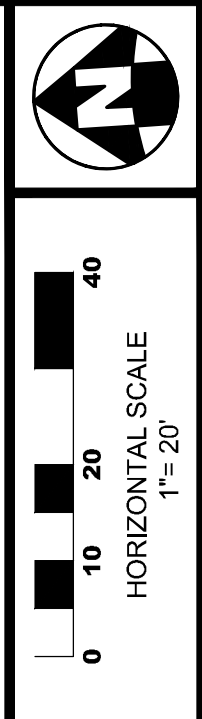
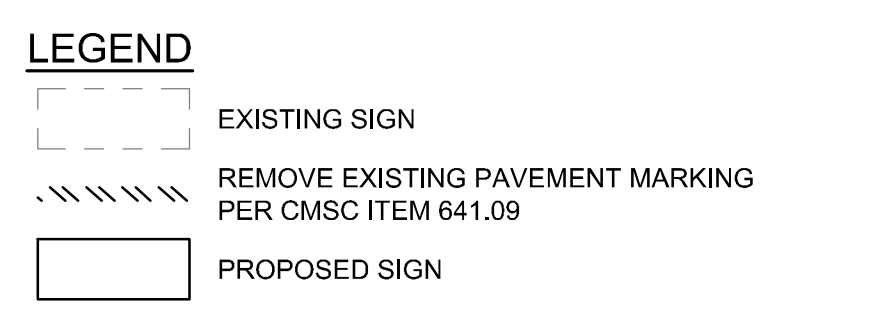
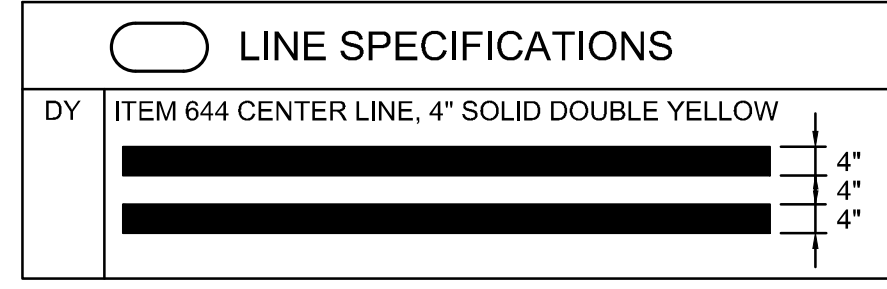
11
12



ST. CLAIR AVE REMOVAL PLAN
SCALE: 1" = 20'



ST. CLAIR AVE PAVEMENT MARKING AND SIGNING PLAN
SCALE: 1" = 20'



CALCULATED
DWM
CHECKED
MJC

PAVEMENT MARKING AND
SIGNING PLAN

ST. CLAIR AVE (EAST AND WEST SIDE)
FROM A POINT 17.23' SOUTH OF LEONARD AVE TO A POINT 2.34' AT SOUTH OF LEONARD AVE
ALLEY W OF GARFIELD AVE FROM ATCHESON ST TO LEONARD AVE
FROM A POINT 2.34' SOUTH OF LEONARD AVE TO A POINT 17.23' SOUTH OF LEONARD AVE

#	DATE	CHANGE DESCRIPTION

SCARBOROUGH SENIOR HOUSING
456 ST CLAIR AVE.
COLUMBUS OH 43202
FOR
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Moody Nolan
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COLUMBUS, OHIO 43215
PHONE: (614) 461-4664
FAX: (614) 280-8881
CERTIFICATE NO: FIRM 00197475

DRAWING TITLE
**PAVEMENT MARKING AND
SIGNING PLAN**

PROGRESS DRAWING NOT FOR CONSTRUCTION	02/15/2024	
	DRAWN BY: DJM	CHECKED BY: MJC
	22186.00	
	C412	
PERMIT SET		

4047 - E

12
12