

CONSTRUCTION PLANS

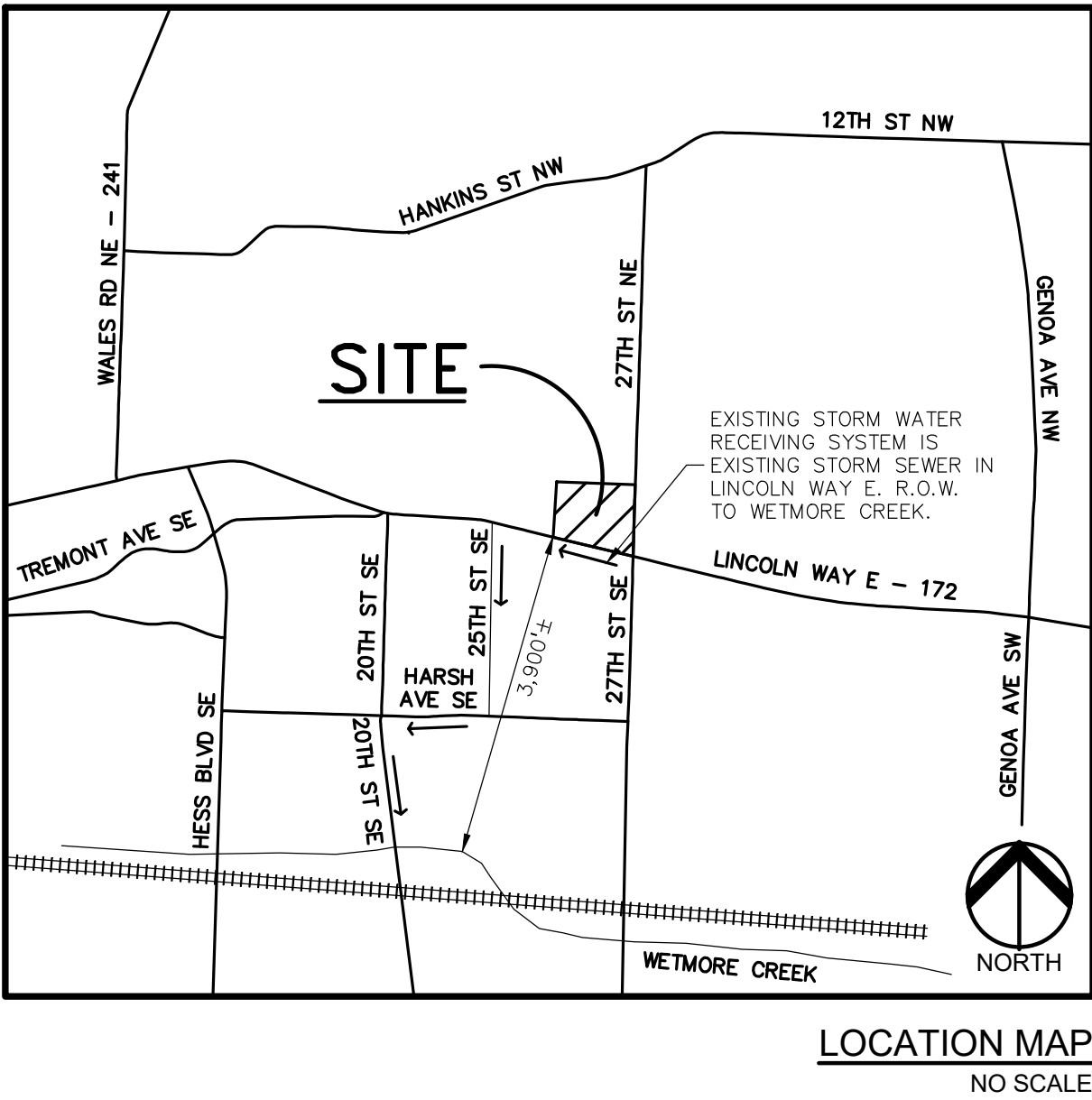
THE SPACE SHOP - MASSILLON

2600 LINCOLN WAY E

MASSILLON, STARK COUNTY, OHIO

PERMIT / APPROVAL SUMMARY		
DATE SUBMITTED	DATE APPROVED	PERMIT / APPROVAL

PT OUT LOT 330 & PT OUT LOT 417



SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	TOPOGRAPHIC SURVEY
C-2.0	DEMOLITION PLAN
C-3.0	SITE PLAN
C-3.1	PAVING PLAN
C-3.2	TRUCK MANEUVERING PLAN
C-3.3	DRIVE DETAILS
C-4.0	GRADING PLAN
C-4.1	DETAIL RESTAURANT GRADING
C-5.0	SESC PLAN
C-5.1	SESC DETAILS
C-6.0	UTILITY PLAN
C-8.0	EXISTING DRAINAGE MAP
C-8.1	STORMWATER MANAGEMENT PLAN
C-8.2	STORM REPORT
C-9.0	NOTES AND DETAILS
C-9.1	NOTES AND DETAILS-2
C-9.2	MASSILLON DETAILS
L-1.0	PRELIMINARY LANDSCAPE PLAN
L-1.1	LANDSCAPE DETAILS
P2.1	ENLARGED FLOOR PLANS
1 OF 1	SITE PHOTOMETRIC PLAN

NOTE:

I ACKNOWLEDGE THAT THE IMPERVIOUS FOOTPRINT IS NOT CHANGING AS THE BUILDING WILL BE USED AS IS, THAT THE "REDEVELOPMENT" CONSTRUCTION IS AT THE PROPOSED RESTAURANT (PARCEL 10014414, ~0.86 ACRES), AND THAT THE CITY ENGINEER DID NOT REQUIRE DETENTION DUE TO THE REDUCTION IN RUNOFF.

I, the undersigned, 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 managed 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.

David N Hunter

Approved by the Massillon City Engineer this _____
Day of _____, 20____.

JASON POPIEL, PE

Only approved signed plans by the City Engineer are to be used for construction.

DESIGN TEAM	
OWNER/APPLICANT/DEVELOPER	CIVIL ENGINEER
STEIN INVESTMENT GROUP 5607 GLENRIDGE DRIVE, SUITE 200 ATLANTA, GA 30342 CONTACT: DANIEL GINBURG PHONE: 404.788.7921 EMAIL: dginburg@steininvest.com	PEA GROUP 2430 ROCHESTER COURT, STE. 100 TROY, MI 48063-1872 CONTACT: JASON SUTTON, PE PHONE: 844.813.2949 EMAIL: JSUTTON@PEAGROUP.COM
ARCHITECT	LANDSCAPE ARCHITECT
PLACE MAKER DESIGN 1000 CIRCLE 75 PARKWAY, SUITE 400 ATLANTA, GA 30339 CONTACT: TIM VACCARO PHONE: 404.549.4499 EMAIL: tvaccaro@placemakerdesign.com	PEA GROUP 7927 NEMCO WAY, STE. 115 BRIGHTON, MI 48116 CONTACT: JANET EVANS, PLA PHONE: 844.813.2949 EMAIL: JEVANS@PEAGROUP.COM



REVISIONS	
DESCRIPTION	DATE
ORIGINAL ISSUE DATE	7/22/2021
PER CITY REVIEW	9/9/2021
ISSUED FOR CONSTRUCTION	10/15/2021
PER COUNTY COMMENTS	11/3/2021



		BENCHMARKS AND CONTROL POINTS		
PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #2	414009.80	224961.79	1147.63	"X" ON NORTH SIDE OF LAMP POST
BM #3	414140.68	224961.36	1149.57	"X" IN SILE BONEE BOLT OF FIRE HYDRANT
BM/CTRL #4	414167.65	224989.62	1148.03	"X" IN S.E. CORNER OF CONCRETE DOCK
BM #5	413889.52	224885.19	1147.66	"X" IN N.E. BOLT OF LAMP POST
BM #6	413682.44	2249484.38	1145.85	"X" IN N.W. BOLT OF LAMP POST
CTRL #80	413844.69	224894.45	—	COTTON GIN SPIKE SET
CTRL #81	413670.27	224890.52	—	DRILL HOLE WITH "X" SET IN CONCRETE
CTRL #83	413869.05	224902.12	—	3/4" ROD W/DEBEL BAYER CAP SET
CTRL #86	413502.84	224960.49	—	3/4" ROD W/DEBEL BAYER CAP SET
CTRL #120	413893.86	224874.62	—	5/8" ROD W/BECKER AND BAYER CAP

LEGEND

● IRON FOUND	⊗ BRASS PLUG SET	⦿ SEC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	R RECORDED
⊗ NAL. FOUND	⊗ MONUMENT SET	M MEASURED
⊗ NAL. & CAP SET		C CALCULATED

EXISTING





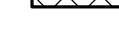





—OH—ELEC—	ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
—UG—CATV—	UNDERGROUND CABLE TV, CATV PEDESTAL
⊗ UG—PHONE—	TELEPHONE UG. CABLE, PEDESTAL & MANHOLE
⊗ UG—ELEC—	ELECTRIC UG. CABLE, MANHOLE, WATER & HANDHOLE
⊗ GAT.M—	GAT.MAN. VALVE & GAS LINE MANHOLE
—	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
—	SANITARY SEWER, CLEANOUT & MANHOLE
—	STORM SEWER, CLEANOUT & MANHOLE
—	COMBINED SEWER & MANHOLE
⊗	SQUARE, ROUND & BREEWIE CATCH BASIN, YARD DRAIN
⊗	POD INDICATOR VALVE
⊗	WATER VALVE BOX/RYOTARD VALVE BOX, SERVICE SHUTOFF
⊗	MALBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
⊗	UNIDENTIFIED STRUCTURE
⊗	SPOT ELEVATION
—	CONTOUR LINE
—	FENCE
—	GUARD RAIL
—	STREET LIGHT
—	SIGN
CONC.	CONCRETE
ASPH.	ASPHALT
GRAVEL	GRAVEL SHOULDER
	WETLAND

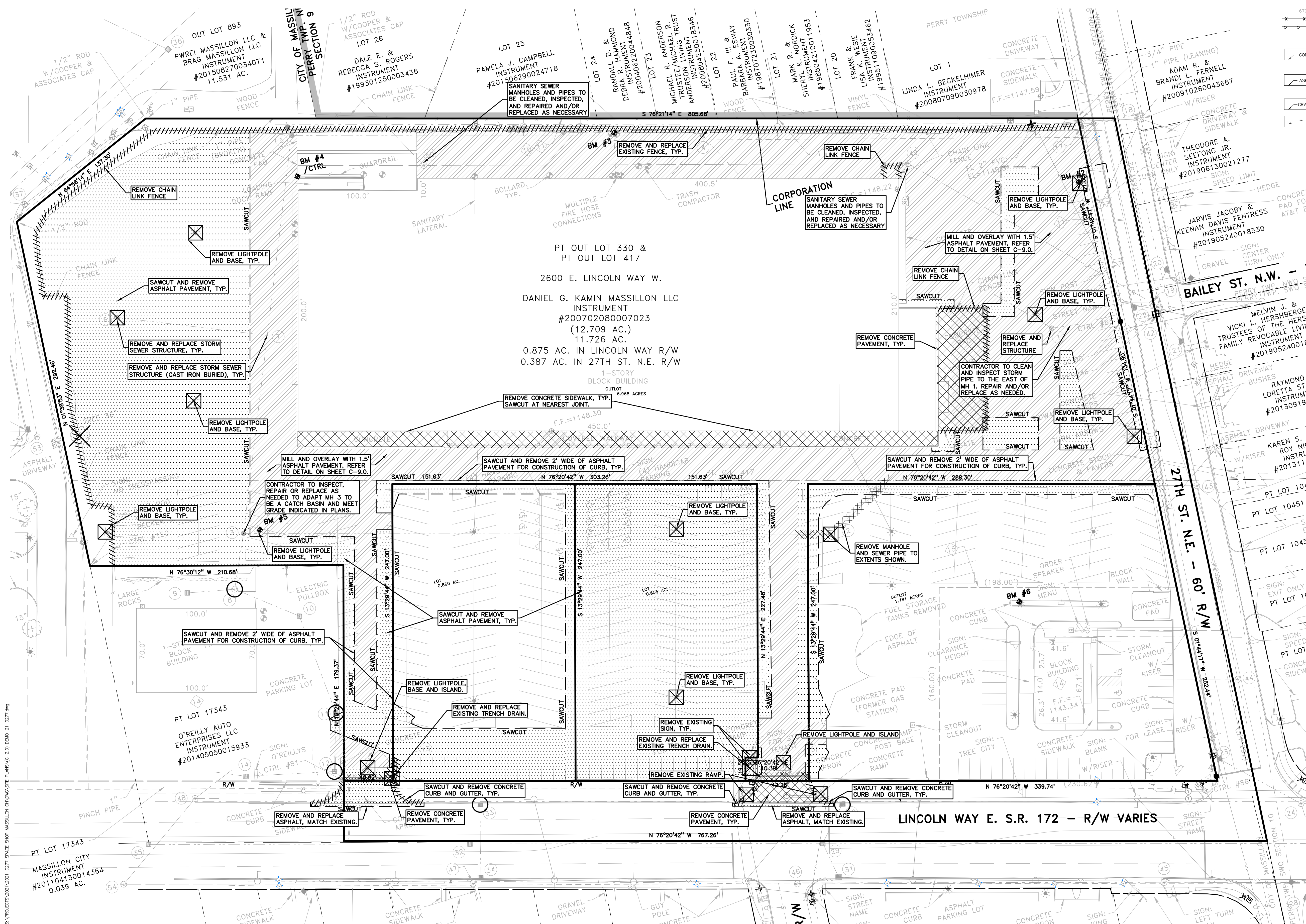
GENERAL DEMOLITION NOTES

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:

1. ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF IN A PROPER MANNER, NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.
2. ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
3. STAGING/PHASING OF DEMOLITION AND CONSTRUCTION TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BE COMPLETELY ELIMINATED FROM THE SITE. OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. THE CONTRACTOR SHALL NOT BE REQUIRED TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.
5. REMOVE ALL STRUCTURES DESIGNATED FOR REMOVAL ACCORDING TO THE DEMOLITION PLAN. THIS INCLUDES FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, FLOOR SLABS, UNDERGROUND UTILITIES, CONCRETE, ASPHALT, TREES, ETC.
6. THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF ALL DUST, DEBRIS, AND MATERIALS, THE DATES AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AREA SAFELY. THE CONTRACTOR SHALL FOLLOW ALL CITY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
9. THE CONTRACTOR SHALL CONTROL THE APPROPRIATE UTILITY COMPANIES TO CONFIRM THAT UTILITY LEADS HAVE BEEN TAKEN OUT OF SERVICE PRIOR TO DEMOLITION.
10. ALL BUILDING GAS LEADS, METERS AND ASSOCIATED EQUIPMENT SHALL BE REMOVED AS SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK WITH THE APPROPRIATE UTILITY COMPANY.
11. REMOVE ALL OVERHEAD AND UNDERGROUND ELECTRICAL LINES WITHIN THE AREA OF CONSTRUCTION AS SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK AND REMOVALS WITH ELECTRICAL SERVICE PROVIDER OR THE APPROPRIATE UTILITY COMPANY. (NOTE: PHONE AND CABLE T.V. SERVICES MAY ALSO BE LOCATED ON OVERHEAD LINES.)
12. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS AND SUPPORTS WITHIN THE WORK AREA AS NECESSARY TO FACILITATE CONSTRUCTION. SIGNS SHALL BE PROTECTED OR STOCKPILED FOR REUSE AS SPECIFIED IN THE PLANS OR AS REQUIRED BY THE CITY. IF THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNS AND SUPPORTS AT NO ADDITIONAL COST TO THE OWNER.
13. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION AT LEAST 7 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

DEMOLITION LEGEND:

- | | |
|--|---|
| ITEM TO BE PROTECTED |  |
| ITEM TO BE REMOVED |  |
| CURB/FENCE REMOVAL |  |
| CONCRETE PAVEMENT AND SIDEWALK REMOVAL |  |
| AREA OR ITEMS TO BE REMOVED |  |
| UTILITY REMOVAL |  |
| ABANDON UTILITY |  |
| ASPHALT REMOVAL |  |
| SAWCUT LINE |  |
| MILL AND OVERLAY ASPHALT |  |



GENERAL NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT OSHA, ODOT AND MUNICIPALITY STANDARDS AND REGULATIONS.
2. THE CONTRACTOR SHALL NOTIFY THE CITY OF MASSILLON ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
3. THE CONTRACTOR MUST CONTACT THE ENGINEER SHOULD THEY ENCOUNTER ANY DESIGN ISSUES DURING CONSTRUCTION. IF THE CONTRACTOR MAKES DESIGN MODIFICATIONS WITHOUT THE WRITTEN DIRECTION OF THE DESIGN ENGINEER, THE CONTRACTOR DOES SO AT HIS OWN RISK.
4. ALL NECESSARY PERMITS, TESTING, BONDS AND INSURANCES ETC., SHALL BE PAID FOR BY THE CONTRACTOR. THE OWNER SHALL PAY FOR ALL CITY INSPECTION FEES.
5. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. IF NO NOTIFICATION IS GIVEN AND DAMAGE RESULTS, SAID DAMAGE WILL BE REPAIRED AT SOLE EXPENSE OF THE CONTRACTOR. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
6. CONTRACTOR TO VERIFY THAT THE PLANS AND SPECIFICATIONS ARE THE VERY LATEST PLANS AND SPECIFICATIONS AND FURTHERMORE, VERIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED. ALL ITEMS CONSTRUCTED BY THE CONTRACTOR PRIOR TO RECEIVING FINAL APPROVAL, HAVING TO BE ADJUSTED OR RE-DONE, SHALL BE AT THE CONTRACTORS EXPENSE. SHOULD THE CONTRACTOR ENCOUNTER A CONFLICT BETWEEN THESE PLANS AND/OR SPECIFICATIONS, THEY SHALL SEEK CLARIFICATION IN WRITING FROM THE ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO SHALL BE AT SOLE EXPENSE TO THE CONTRACTOR.
7. ANY WORK WITHIN THE STREET OR HIGHWAY RIGHTS-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION AND SHALL NOT BEGIN UNTIL ALL NECESSARY PERMITS HAVE BEEN ISSUED FOR THE WORK.
8. ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DISTURBED DUE TO CONSTRUCTION, SHALL BE REPLACED AND/OR RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, SIGNAGE, LIGHTS AND TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AND SAFELY MAINTAIN TRAFFIC IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). THE DESIGN ENGINEER, OWNER, CITY AND STATE SHALL NOT BE HELD LIABLE FOR ANY CLAIMS RESULTING FROM ACCIDENTS OR DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO COMPLY WITH TRAFFIC AND PUBLIC SAFETY REGULATIONS DURING THE CONSTRUCTION PERIOD.
10. THE USE OF CRUSHED CONCRETE IS PROHIBITED ON THE PROJECT WITHIN 100 FEET OF ANY WATER COURSE (STREAM, RIVER, COUNTY DRAIN, ETC.) AND LAKE, REGARDLESS OF THE APPLICATION OR LOCATION OF THE WATER COURSE OR LAKE RELATIVE TO THE PROJECT LIMITS.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE TOP OF ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANS. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND WILL NOT BE PAID FOR SEPARATELY.

SIGN LEGEND:

- 'NO PARKING FIRE LANE' SIGN ①
 - 'STOP' SIGN ②
 - 'BARRIER FREE PARKING' SIGN ③
 - 'VAN ACCESSIBLE' SIGN ④
 - 'DO NOT ENTER' SIGN ⑤
 - 'ONE WAY' SIGN ⑥
- REFER TO DETAIL SHEET FOR SIGN DETAILS

SIDEWALK RAMP LEGEND:

- SIDEWALK RAMP 'TYPE R' ⑧
 - SIDEWALK RAMP 'TYPE P' ⑨
- REFER TO LATEST ODOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

LEGEND

- IRON FOUND
 - IRON SET
 - NAIL FOUND
 - NAIL & CAP SET
 - BRASS PLUG SET
 - MONUMENT FOUND
 - MONUMENT SET
 - SEC. CORNER FOUND
 - R RECORDED
 - M MEASURED
 - C CALCULATED
- EXISTING
- OH-ELEC-W-W-ELEC, PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
 - UG-CATV-UG-UNDERGROUND CABLE TV, CATV PEDESTAL
 - UG-PHONE-UG-TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
 - UG-ELEC-UG-ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
 - GAS-MAN-VALVE-GAS GAS LINE MANHOLE
 - WATER-MAN-VALVE-GATE VALVE, TAPPING SLEEVE & VALVE
 - SANITARY SEWER, CLEANOUT & MANHOLE
 - STORM SEWER, CLEANOUT & MANHOLE
 - COMBINED SEWER & MANHOLE
 - SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
 - POST REGULATOR VALVE
 - WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
 - MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
 - UNIDENTIFIED STRUCTURE
 - SPOT ELEVATION
 - CONTOUR LINE
 - FENCE
 - GUARDRAIL
 - STREET LIGHT
 - SIGN
 - CONC. CONCRETE
 - ASPH. ASPHALT
 - GRAVEL GRAVEL SHOULDER
 - WETLAND
- PROPOSED
- STD 310 HEAVY DUTY DUTY ONLY
 - STD 310 HEAVY MILL AND DUTY DUTY OVERLAY

SITE DATA TABLE:

TOTAL SITE AREA: 10.46 ACRES (455,834 SQ.FT.) NET AND GROSS

ZONING: B-3 (GENERAL BUSINESS) & I-1 (LIGHT INDUSTRIAL)

TOTAL BUILDING AREA: 106,335 SF

TOTAL PAVED AREA: 299,357 SF

TOTAL LANDSCAPED AREA: 50,142 SF

PROPOSED USES: COVERAGE AREA LOT

STORAGE FACILITY 104,000 SF 34.3%

RESTAURANT 2,335 SF 6.3%

BUILDING INFORMATION: MAXIMUM ALLOWABLE BUILDING HEIGHT (B-3) = 30 FEET (3 STORIES)

MAXIMUM ALLOWABLE BUILDING HEIGHT (I-1) = 40 FEET

PROPOSED BUILDING HEIGHT: STORAGE FACILITY = 29', 8" (1 STORY)

RESTAURANT = 20', 8" (1 STORY)

SETBACK REQUIREMENTS: REQUIRED: PROPOSED:

WAREHOUSE: FRONT (27TH STREET) 60' 119.07'

SIDE (NORTH) 25' 49.75'

SIDE (SOUTH) 25' 32.03'

REAR (WEST) 25' 200.29'

RESTAURANT: FRONT: 60' 66.19'

SIDE (EAST) 0' 75.67'

SIDE (WEST) 0' 24.50'

REAR: 20' 114.05'

(60' FRONT SETBACK FOR DRIVE-THRU BUILDINGS AND 10' SIDE SETBACK IF WALL CONTAINS WINDOWS OR OTHER OPENINGS)

PARKING CALCULATIONS: WAREHOUSE = 5 SPACES + 1 SPACE PER EMPLOYEE ON LARGEST SHIF

WAREHOUSE PARKING REQUIRED = 5 + 2 = 7 SPACES

PROPOSED PARKING SPACES = 59 SPACES INC. 3 H/C SPACES

RESTAURANT = (2335 x 0.8)/150 = 12 SPACES

PROPOSED PARKING SPACES = 45 SPACES INC. 2 H/C SPACES

TOTAL PROPOSED PARKING SPACES = 104 INC. 5 H/C SPACES

LOADING CALCULATIONS: LOADING REQUIRED = LOADING IN REAR YARD AT 15% OF GROSS FLOOR AREA

LOADING PROVIDED = 15,685 SQ.FT.

OFF-LOADING SPACE

LOADING PROVIDED = 15,685 SQ.FT.

SITE SOILS INFORMATION: ACCORDING TO THE USDA NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY FOR STARK COUNTY, THE SITE CONSISTS OF THE FOLLOWING SOIL TYPES:

8.8 ACRES OF OANFIELD-URBAN LAND COMPLEX, 2 TO 6 PERCENT SLOPES

1.2 ACRES OF RAVENNA-URBAN LAND COMPLEX, 0 TO 6 PERCENT SLOPES

GENERAL NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.

2. 'NO PARKING-FIRE LANE' SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 100 FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.

3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.

4. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS

REFER TO SHEET C-3.1 FOR ALL PAVING NOTES.

PEA GROUP

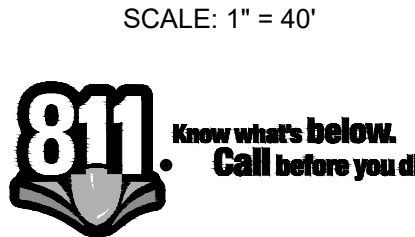
t: 844.813.2949

www.peagroup.com



0 20 40 80

SCALE: 1" = 40'



CAUTION!!

THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY

FOR INFORMATION. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT

STEIN INVESTMENT GROUP

5607 GLENRIDGE DRIVE, SUITE 200

ATLANTA, GA 30342

PROJECT TITLE

THE SPACE SHOP-MASSILLON

2600 LINCOLN WAY E

MASSILLON, STARK COUNTY, OHIO

REVISIONS

PER CITY REVIEW 9.9.2021

ISSUED FOR CONSTRUCTION 10.15.2021

PER COUNTY COMMENTS 11.03.2021

ORIGINAL ISSUE DATE:

JULY 21, 2021

DRAWING TITLE

SITE PLAN

PEA JOB NO. 2021-0277

P.M. LA

DN. JKS

DES. JDS

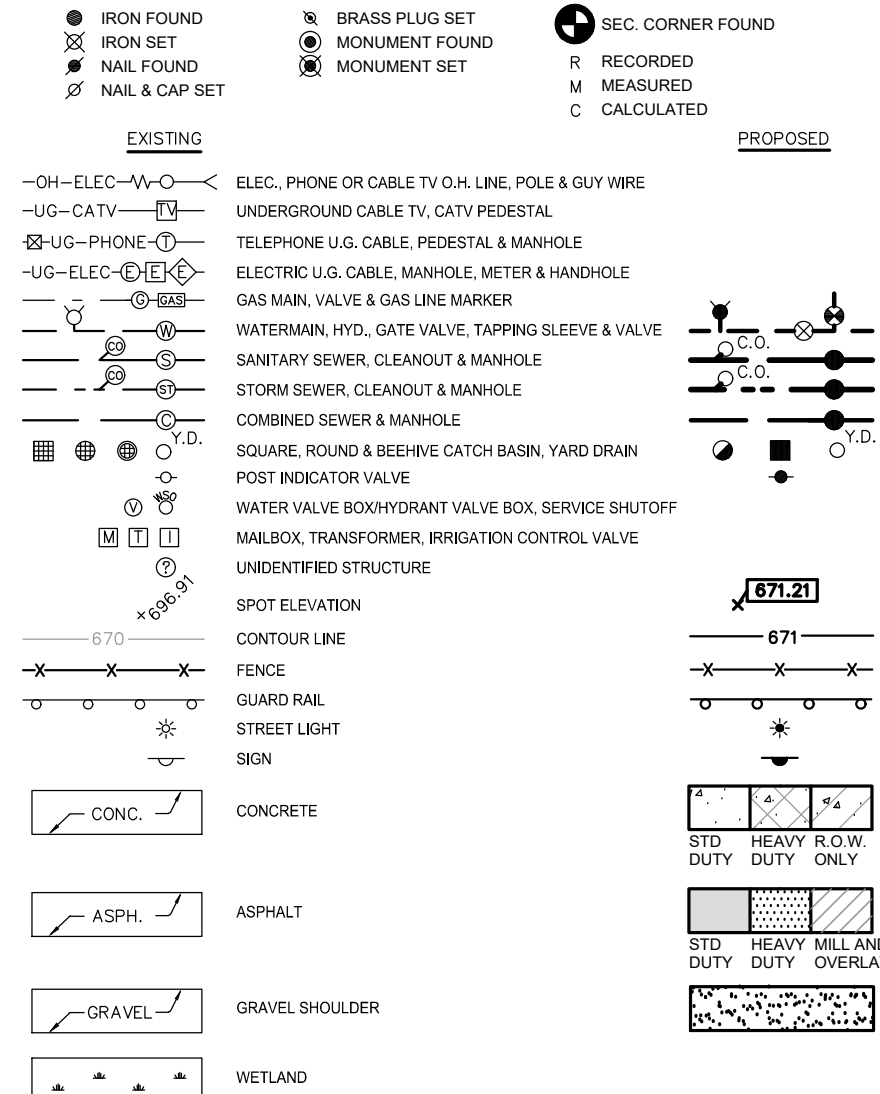
DRAWING NUMBER:

C-3.0

PAVING NOTES:

1. IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
2. PROVIDE EXPANSION JOINTS AND JOINT SEALANT AT TWO "END-OF-RADIUS" LOCATIONS (OPPOSITE SIDES AT EACH LONG END) OF CONCRETE CURB ISLANDS.
3. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF FROST SLAB AT EXTERIOR BUILDING DOORS.
4. CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.
5. CONCRETE PAVEMENT JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION:
 - 5.1. WHERE PROPOSED CONCRETE ABUTS A STRUCTURE PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT, THE JOINT FILLER BOARD MUST BE AT LEAST THE FULL DEPTH OF THE CONCRETE AND HELD DOWN A 1/4" INCH TO ALLOW FOR SEALING
 - 5.2. WHERE PROPOSED CONCRETE ABUTS EXISTING CONCRETE OR IN BETWEEN POURS OF PROPOSED CONCRETE (CONSTRUCTION JOINT) PROVIDE 5/8" DOWELS EVERY 30' CENTER TO CENTER HALF WAY ALONG THE THICKNESS OF THE PROPOSED PAVEMENT. ALTERNATE DOWELS SIZES AND SPACING MUST BE APPROVED THE ENGINEER PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
 - 5.3. WHERE PROPOSED CONCRETE ABUTS EXISTING OR PROPOSED SIDEWALK PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT
 - 5.4. WHERE PROPOSED CONCRETE ABUTS EXISTING OR PROPOSED CURBING PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT
 - 5.5. CONTROL LONGITUDINAL AND/OR TRANSVERSE JOINTS SHALL BE PLACED TO PROVIDE PANELS WITHIN THE PAVEMENT AS SQUARE AS POSSIBLE WITH THE FOLLOWING MAXIMUM SPACING PARAMETERS:
 - 5.5.1. 6-INCH THICK CONCRETE PAVEMENT: 12' X 12'
 - 5.5.2. 8-INCH THICK CONCRETE PAVEMENT: 15' X 15'
 - 5.6. IRREGULAR-SHAPED PANELS MAY REQUIRE THE USE OF REINFORCING MESH OR FIBER MESH AS DETERMINED BY THE ENGINEER. THE USE OF MESH MUST BE APPROVED THE ENGINEER PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
 - 5.7. IF A JOINT PLAN IS NOT PROVIDED IN THE PLANS, THE CONTRACTOR SHALL SUBMIT ONE TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
6. CONCRETE CURBING JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION:
 - 6.1. WHERE PROPOSED CONCRETE CURBING ABUTS A STRUCTURE PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT
 - 6.2. WHERE PROPOSED CONCRETE ABUTS EXISTING OR PROPOSED SIDEWALK PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT
 - 6.3. WHERE PROPOSED CONCRETE ABUTS EXISTING CURBING PROVIDE A MINIMUM 1/2" EXPANSION JOINT WITH SEALANT
 - 6.4. IN BETWEEN POURS OF PROPOSED CONCRETE CURBING (CONSTRUCTION JOINT)
 - 6.4.1. CARRY THE REBAR CONTINUOUSLY BETWEEN POURS
 - 6.4.2. IF THE REBAR IS NOT LONG ENOUGH TO CARRY CONTINUOUSLY THEN TIE TWO PIECES OF REBAR PER THE LATEST MDOT SPECIFICATIONS
 - 6.5. CONTROL JOINTS SHALL BE PLACED A MAXIMUM 10' CENTER TO CENTER AND AT ALL RADIUS RETURNS

LEGEND



CONSTRUCTION MATERIAL SUBMITTALS

UNLESS REQUIRED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL ONLY SUBMIT THE FOLLOWING CONSTRUCTION MATERIAL SUBMITTALS, AS APPLICABLE TO THE PLANS, FOR REVIEW BY THE ENGINEER. UNLESS APPROVED IN ADVANCE AND IN WRITING BY THE ENGINEER, ANY MATERIAL SUBMITTALS PROVIDED TO THE ENGINEER FOR REVIEW IN ADDITION TO THIS LIST SHALL BE RETURNED TO THE CONTRACTOR WITHOUT A REVIEW BEING PERFORMED.

1. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
2. UTILITY TRENCH BACKFILL MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
3. RIP RAP MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
4. STORM AND SANITARY SEWER PIPING INCLUDING JOINTS
5. STORM AND SANITARY SEWER STRUCTURES
6. STORM AND SANITARY SEWER STRUCTURE FRAME AND COVERS INCLUDING CLEAN OUTS
7. WATER DISTRIBUTION SYSTEM PIPING INCLUDING JOINTS
8. WATER DISTRIBUTION SYSTEM STRUCTURES
9. WATER DISTRIBUTION SYSTEM STRUCTURE FRAME AND COVERS
10. WATER DISTRIBUTION SYSTEM SHUT OFF BOXES
11. WATER DISTRIBUTION SYSTEM FIRE HYDRANTS
12. WATER DISTRIBUTION SYSTEM GATE VALVES
13. STORM WATER MANAGEMENT OUTLET CONTROL STRUCTURES INCLUDING COVERS OR GRATES
14. STORM WATER MANAGEMENT OUTLET SEDIMENTATION BASIN RISERS INCLUDING GRATES
15. STORM WATER MANAGEMENT MECHANICAL PRE-TREATMENT UNITS INCLUDING COVERS
16. STORM WATER MANAGEMENT OIL/GREASE SEPARATORS
17. STORM WATER MANAGEMENT UNDERGROUND DETENTION SYSTEM MATERIAL AND SHOP DRAWINGS DEPICTING THE LAYOUT OF THE SYSTEM
18. PAVEMENT AGGREGATE BASE MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
19. PAVEMENT UNDERDRAIN MATERIAL AND BACKFILL WITH ALL BACKFILL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
20. PAVEMENT MIX DESIGNS SUBMITTED FOR REVIEW BY THE ENGINEER MUST FOLLOW THE CURRENT MDOT REVIEW CHECKLISTS AS SUMMARIZED BELOW AND ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER:
 1. 8.1. CONCRETE MIX DESIGN REVIEW CHECKLIST (FORM 2000)
 2. 8.2. SUPERPAVE MIX DESIGN CHECKLIST (FORM 1882)
 3. 8.3. MARSHALL MIX DESIGN CHECKLIST (FORM 1849)
21. SITE FENCING AND GATES INCLUDING FOOTINGS
22. SITE RAILINGS INCLUDING FOOTING OR EMBEDMENTS
23. ANY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY STATE FOR THE CONTRACTOR TO SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
 24. RETAINING WALL MATERIAL AND STRUCTURAL CALCULATIONS
 25. TRENCH DRAIN MATERIAL AND SHOP DRAWING DEPICTING THE LAYOUT OF THE SYSTEM
 26. ANY SPECIALTY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY DO NOT STATE FOR THE CONTRACTOR TO SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW BUT THE CONTRACTOR REQUESTS TO BE REVIEWED. THE CONTRACTOR'S REQUEST FOR REVIEW MUST BE IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO SUBMITTING THE INFORMATION.

PEA
GROUP

t: 844.813.2949

www.peagroup.com



0 20 40 80
SCALE: 1" = 40'



CAUTION!!
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CLIENT

STEIN INVESTMENT
GROUP
5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE

THE SPACE
SHOP-MASSILLON
2600 LINCOLN WAY E
MASSILLON, STARK COUNTY, OHIO

REVISIONS

PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

ORIGINAL ISSUE DATE:

JULY 21, 2021

DRAWING TITLE

PAVING
PLAN

PEA JOB NO. 2021-0277

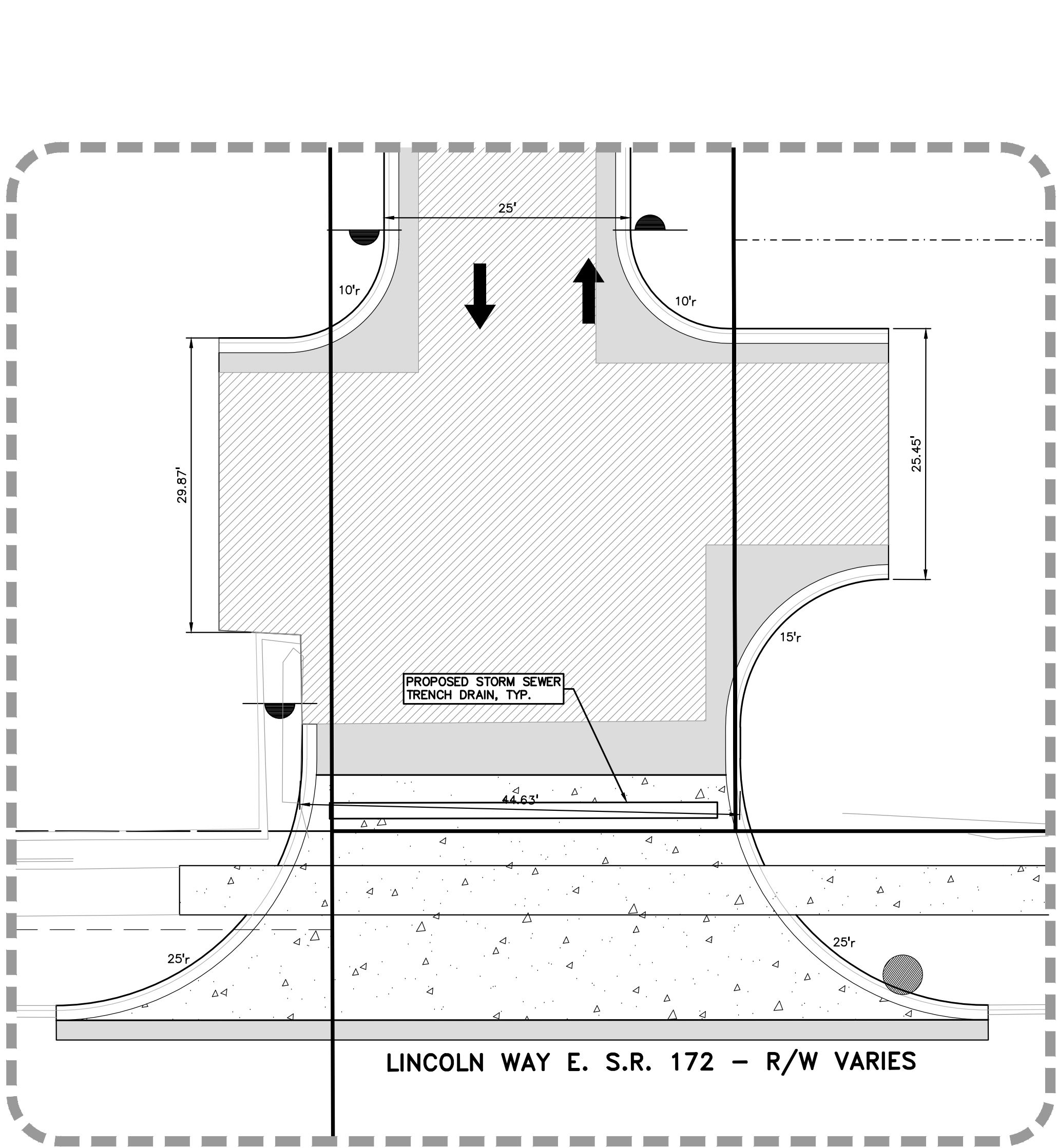
P.M. LA

DN. JKS

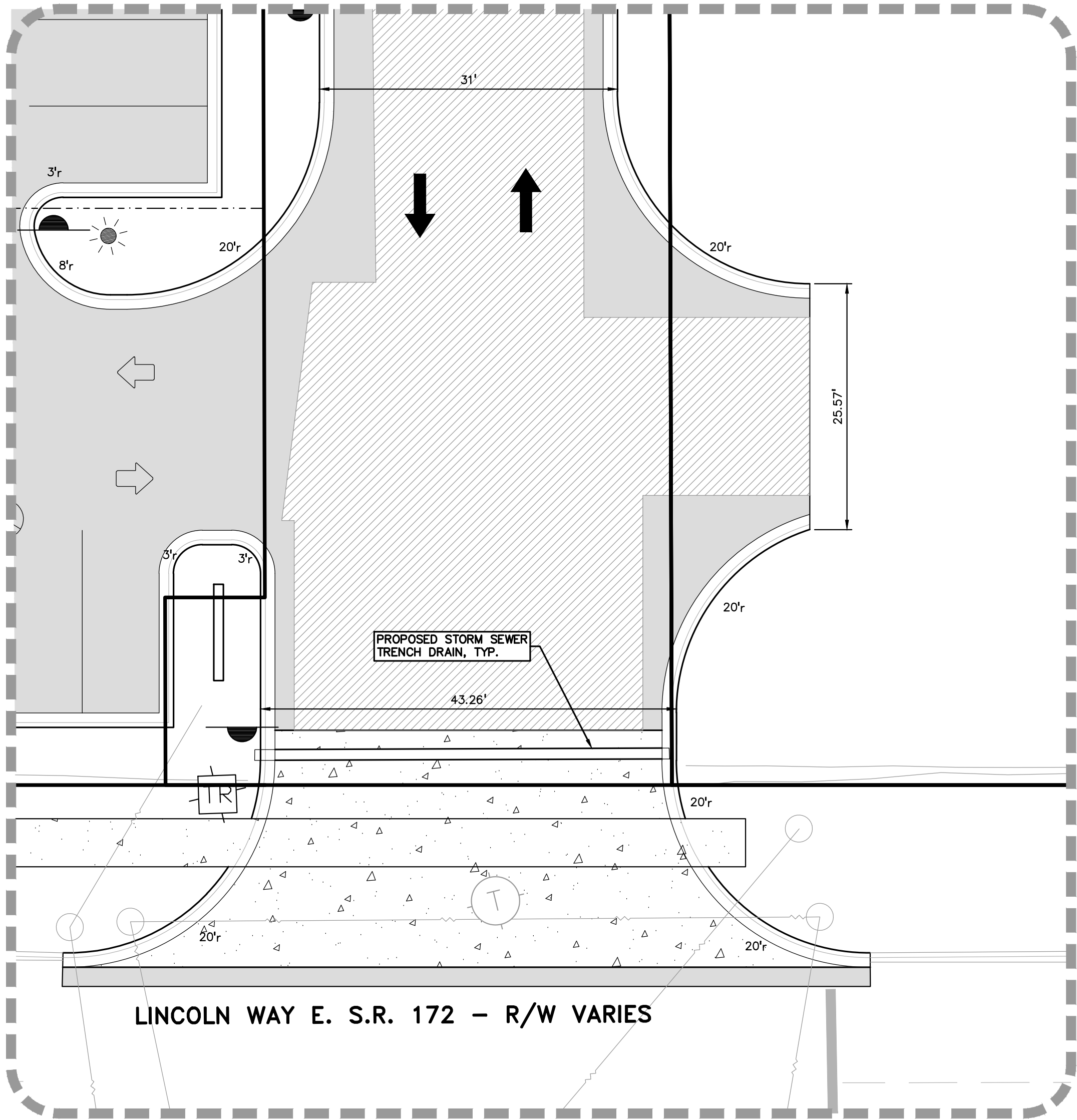
DES. JDS

DRAWING NUMBER:

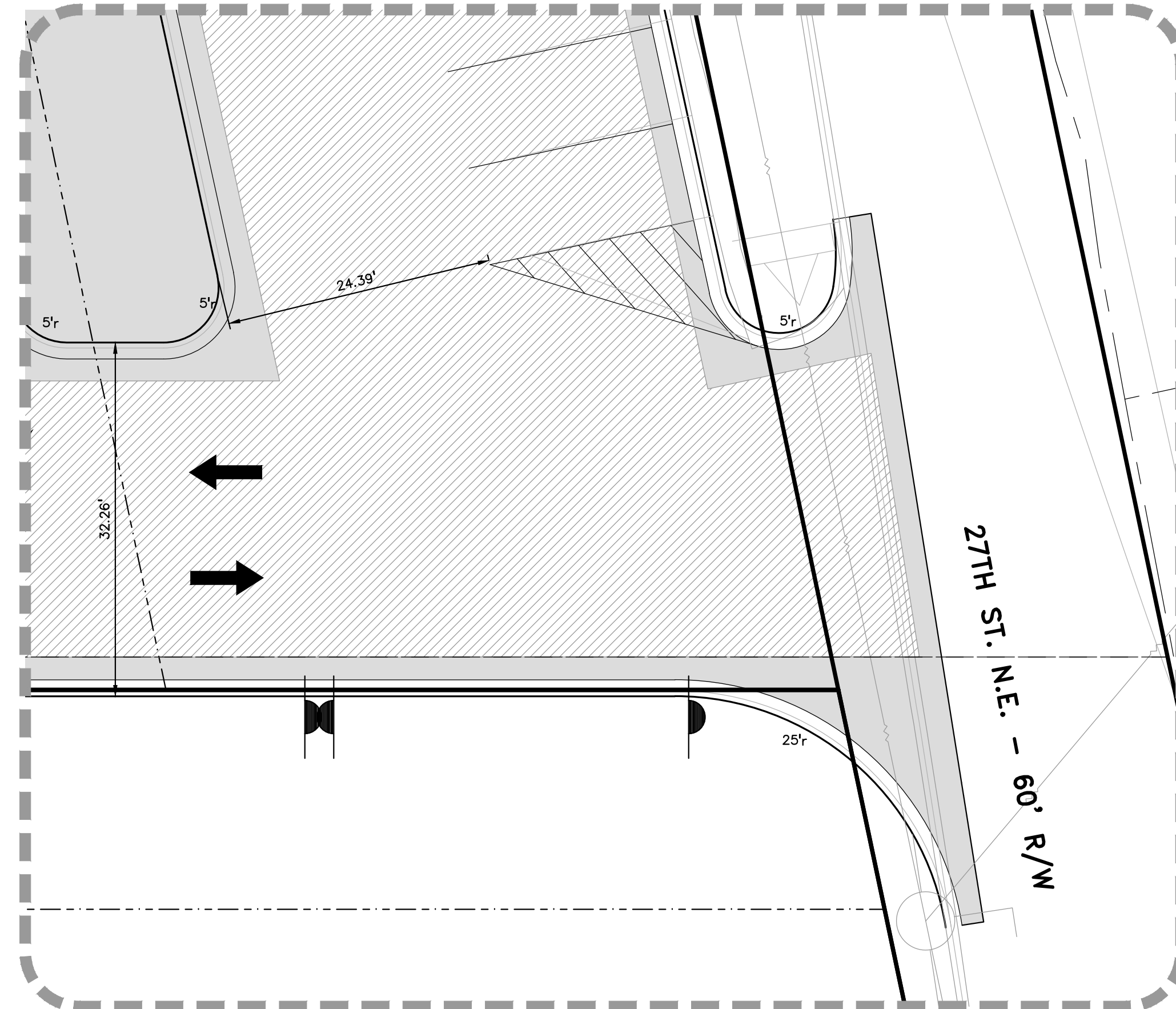
C-3.1



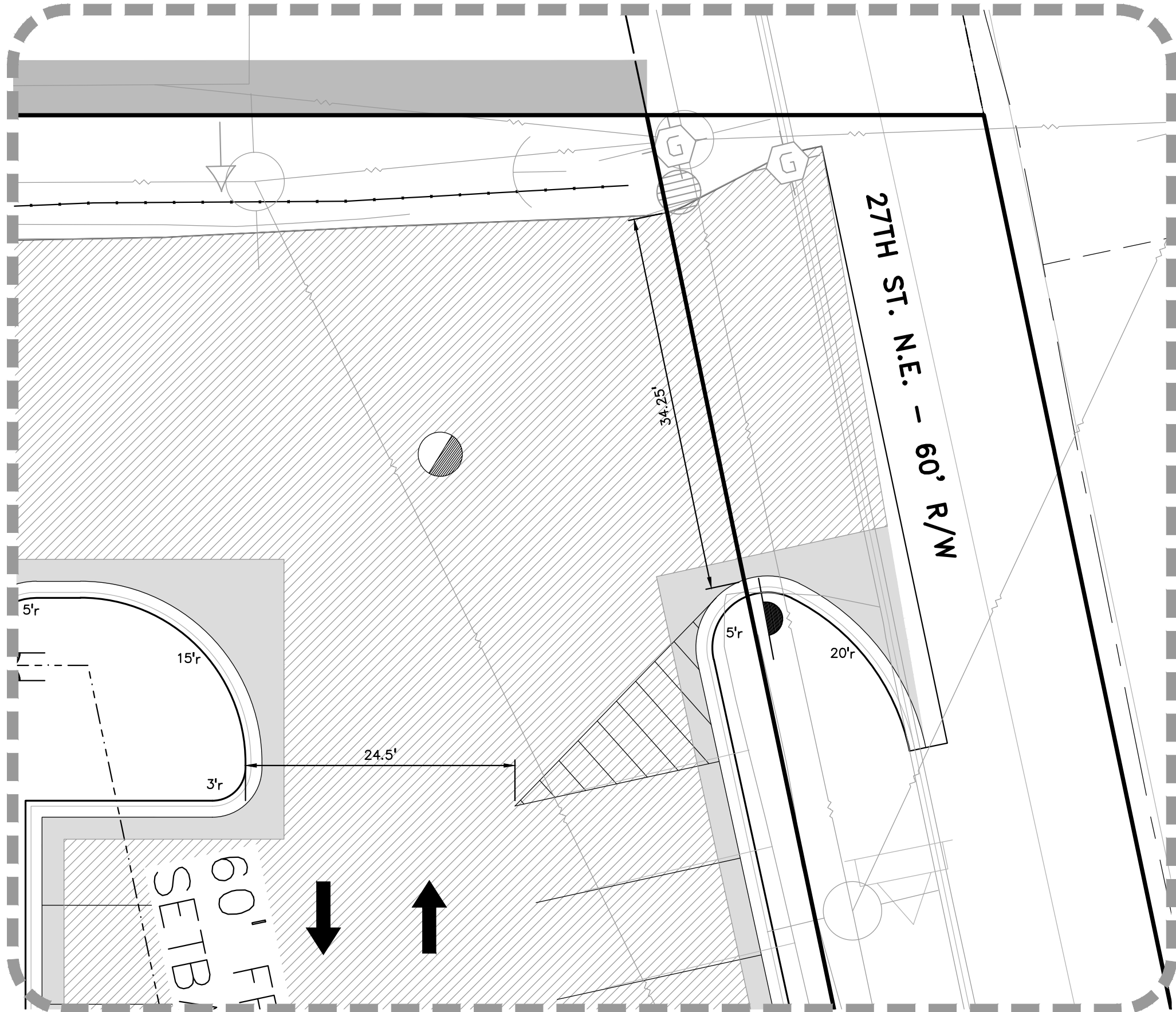
DRIVE "A" DETAIL



DRIVE "B" DETAIL



DRIVE "C" DETAIL



DRIVE "D" DETAIL

LEGEND

● IRON FOUND	⊗ BRASS PLUG SET	⊙ SEC. CORNER FOUND
⊗ IRON SET	⊙ MONUMENT FOUND	R RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	M MEASURED
⊗ NAIL & CAP SET		C CALCULATED

EXISTING

—OH—ELEC—W—O—	ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
—UG—CATV—	UNDERGROUND CABLE TV, CATV PEDESTAL
⊗—UG—PHONE—	TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
—UG—ELEC—C—E—	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
⊗	GAS MAIN, VALVE & GAS LINE MARKER
⊗	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
⊗	SANITARY SEWER, CLEANOUT & MANHOLE
⊗	STORM SEWER, CLEANOUT & MANHOLE
⊗	COMBINED SEWER & MANHOLE
⊗	SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
⊗	POST INDICATOR VALVE
⊗	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
⊗	MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
⊗	UNIDENTIFIED STRUCTURE
⊗	SPOT ELEVATION
—670—	CONTOUR LINE
—X—X—X—	FENCE
—X—X—X—	GUARD RAIL
⊗	STREET LIGHT
⊗	SIGN
CONC.	CONCRETE
ASPH.	ASPHALT
GRAVEL	GRAVEL SHOULDER
WETLAND	WETLAND

PROPOSED

⊗	310 HEAVY FLOW DUTY
⊗	310 HEAVY FLOW DUTY ONLY
⊗	310 HEAVY MILL AND DUTY OVERLAY

PEA GROUP
t: 844.813.2949
www.peagroup.com

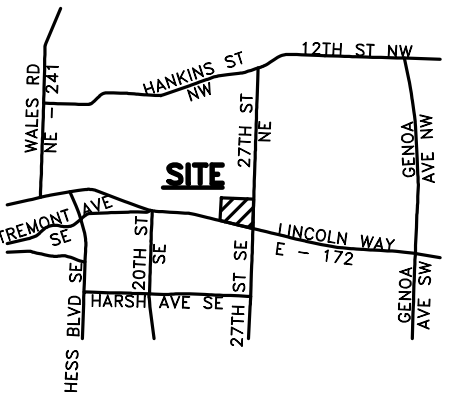
STATE OF OHIO
David N. Hunter
74979
REGISTERED PROFESSIONAL ENGINEER

NORTH

0 5 10 20
SCALE: 1" = 10'

811 Know what's below. Call before you dig.

CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT
STEIN INVESTMENT GROUP
5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
2600 LINCOLN WAY E.
MASSILLON, STARK COUNTY, OHIO

REVISIONS	
PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

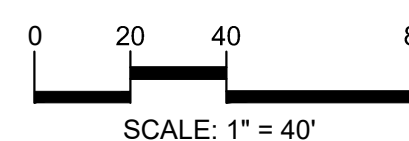
ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE
DRIVE DETAILS

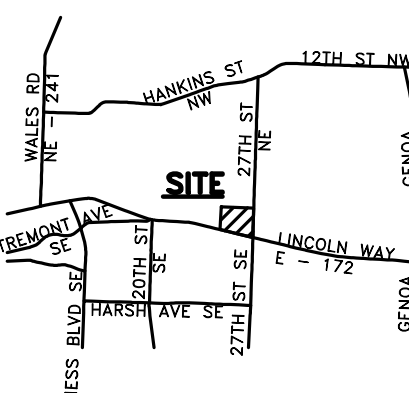
PEA JOB NO.	2021-0277
P.M.	LA
DN.	JKS
DES.	JDS

DRAWING NUMBER:

C-3.3



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT

STEIN INVESTMENT GROUP

5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE

**THE SPACE
SHOP-MASSILLO**

2600 LINCOLN WAY E
MASSILLON, STARK COUNTY, OHIO

REVISIONS	
PER CITY REVIEW	9.9.2
ISSUED FOR CONSTRUCTION	10.15.2
PER COUNTY COMMENTS	11.03.2

ORIGINAL ISSUE DATE:
JULY 21, 2021

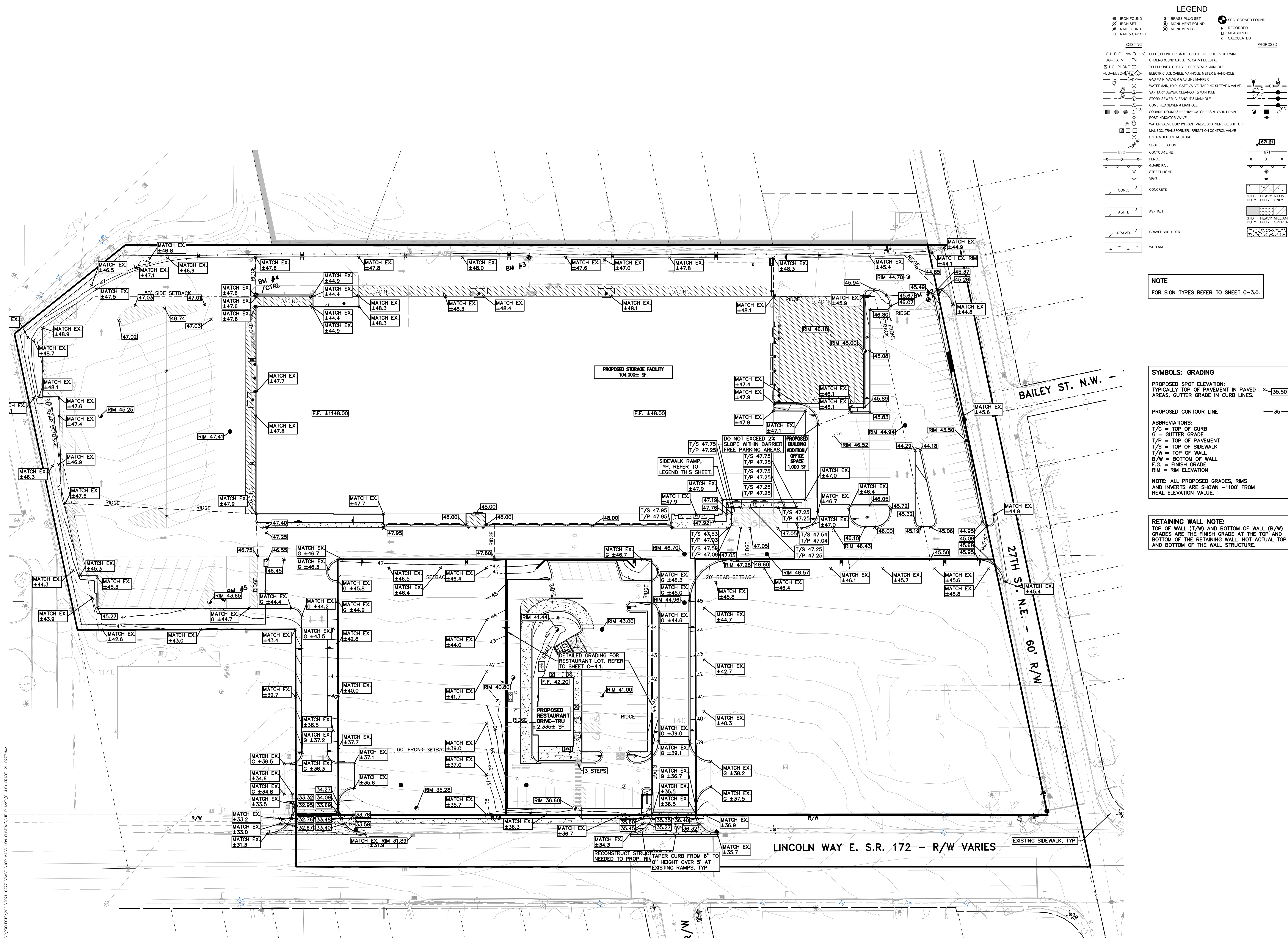
DRAWING TITLE

**GRADING
PLAN**

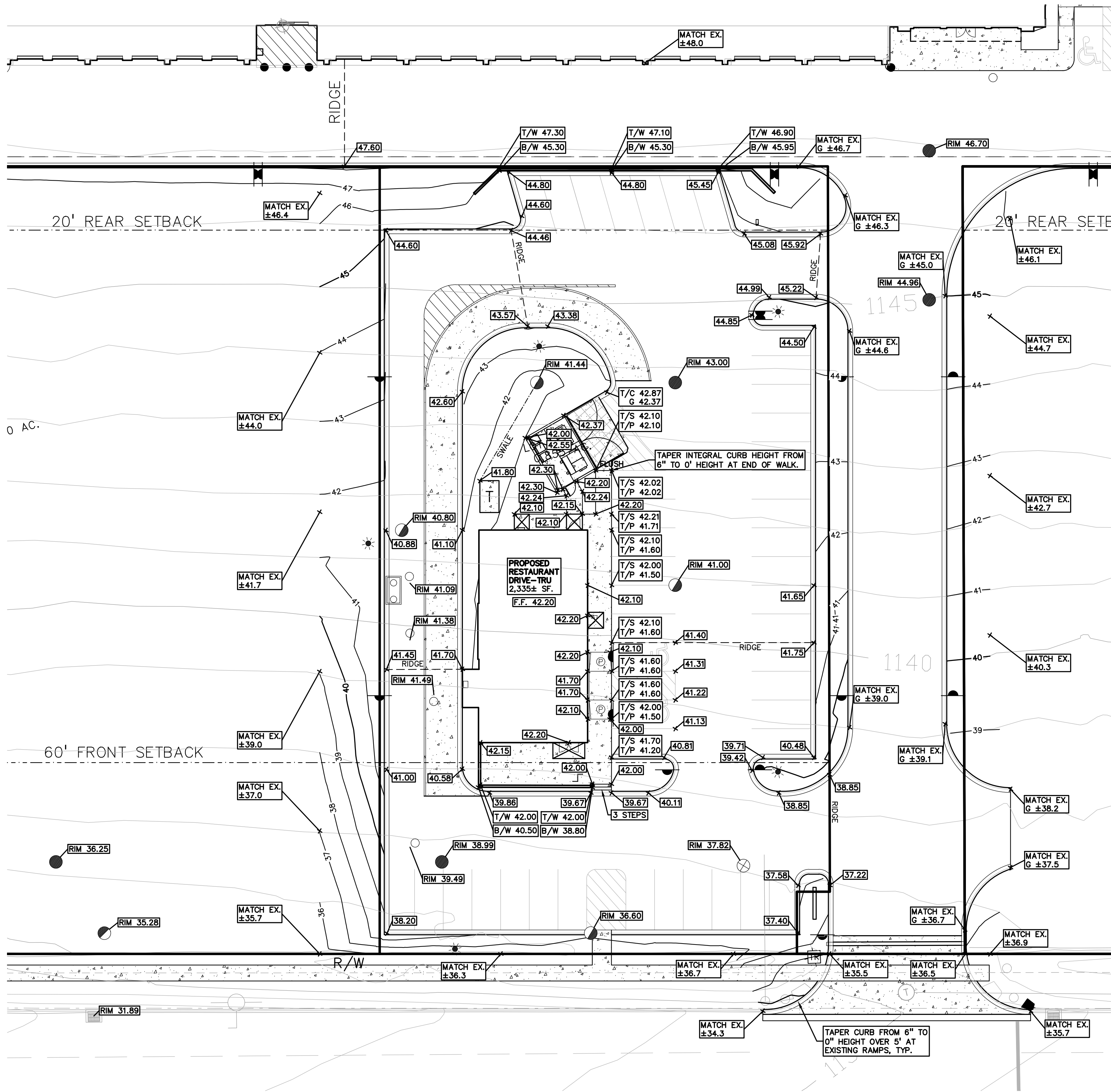
PEA JOB NO.	2021-02
P.M.	
DN.	J
DES.	J

DRAWING NUMBER:

C-4.0



S:\PROJECTS\2021\2021-0277 SPACE SHOP MASSILLON CH\DWG\SITE PLANS\1(C-4.0) GRADE-21-0277.dwg



LEGEND

EXISTING

- IRON FOUND
- IRON SET
- NAIL FOUND
- NAIL & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND
- MONUMENT SET
- SEC. CORNER FOUND
- R RECORDED
- M MEASURED
- C CALCULATED

PROPOSED

- OH-ELEC-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244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CITY OF MASSILLON NOTE:

THE CONTRACTOR SHALL PREVENT AND/OR REDUCE AND CONTROL SOIL EROSION RESULTING FROM THE PROPOSED IMPROVEMENTS. THE USE OF SILT FENCING, JUTE MATTING, TEMPORARY SEEDING, SILT CHECKS, INLET PROTECTION AROUNDALL CATCH BASINS, STABILIZED CONSTRUCTION ENTRANCE(S), ETC. WILL BE REQUIRED. SEDIMENT CONTROL STRUCTURES/DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL FOR RAINWATER AND LAND DEVELOPMENT - OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION. SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS SET FORTH ON THE APPROVED STORM WATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF MASSILLON.

SEQUENCE OF CONSTRUCTION:

START DAY	END DAY	
1	90	INSTALL CRUSHED CONCRETE ACCESS APPROACH AT SITE ROAD APPROACH.
1	120	INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES, SILT FENCES, INLET PROTECTION, ETC. AS NECESSARY.
1	120	MAINTAIN A 25' BUFFER OF VEGETATION AROUND PERIMETER OF SITE WHERE POSSIBLE.
1	120	REMOVE ALL VEGETATION, TREES AND BRUSH FROM THE PROPOSED CONSTRUCTION AREA UNLESS MARKED TO REMAIN. STRIP AND STOCKPILE TOPSOIL AS REQUIRED RESTORATION. ALL STOCKPILES MUST BE GRADED AND SEEDDED.
5	14	REMOVE ALL PAVEMENT, CURB, UTILITIES, ETC. AS REQUIRED TO INSTALL THE PROPOSED WORK AS SHOWN ON THE TOPOGRAPHIC SURVEY AND DEMOLITION PLAN.
5	14	DISPOSE OF ALL EXCESS/UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO ON-SITE BURN OR BURY PITS ALLOWED.
14	28	ROUGH GRADE SITE. SEE AND MULCH BLANKETS MUST BE INSTALLED AS SHOWN WITHIN 5 DAYS OF FINAL GRADE. REPAIR AND/OR RE-INSTALL ALL TEMPORARY SOIL EROSION CONTROL MEASURES THAT WERE DAMAGED DURING GRADING OPERATIONS.

SOIL EROSION NARRATIVE:

EROSION CONTROL WILL BE UTILIZED FOR BOTH THE EXISTING BUILDING, PAVEMENT AND SEWER RETROFIT. ALL STORM CATCH BASINS WILL REQUIRE A SILT SACK OR APPROVED ALTERNATIVE. TRENCH DRAINS WILL BE PROTECTED FROM SILTED RUNOFF. PAVEMENT AREAS TO BE REMOVED AS NECESSARY FOR GRADING. THESE AREAS WILL REQUIRE SEEDING. ALL MEASURES TO BE CONSTRUCTED PER SEDIMENTATION CONTROL NOTES ON THIS PAGE.

THE PROPOSED DRIVE-THRU RESTAURANT WILL REQUIRE STANDARD TYPICAL SOIL EROSION AND SEDIMENT CONTROL. ALL CATCH BASINS WILL WILL REQUIRE A SILT SACK OR APPROVED ALTERNATIVE. ALL MEASURES TO BE CONSTRUCTED PER SEDIMENTATION CONTROL NOTES ON THIS PAGE.

NOTE:

IT IS PROHIBITED TO BURN, BURY OR POUR OUT ONTO THE GROUND OR INTO THE STORM SEWERS ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, AND ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH TOXIC OR HAZARDOUS WASTES.

EROSION CONTROL QUANTITIES:

SILT FENCE	3,444 LF
LOW POINT INLET FILTER	16 EA.
TEMPORARY CONSTRUCTION ACCESS DRIVE	1 EA
EROSION CONTROL BLANKETS	920 SY.

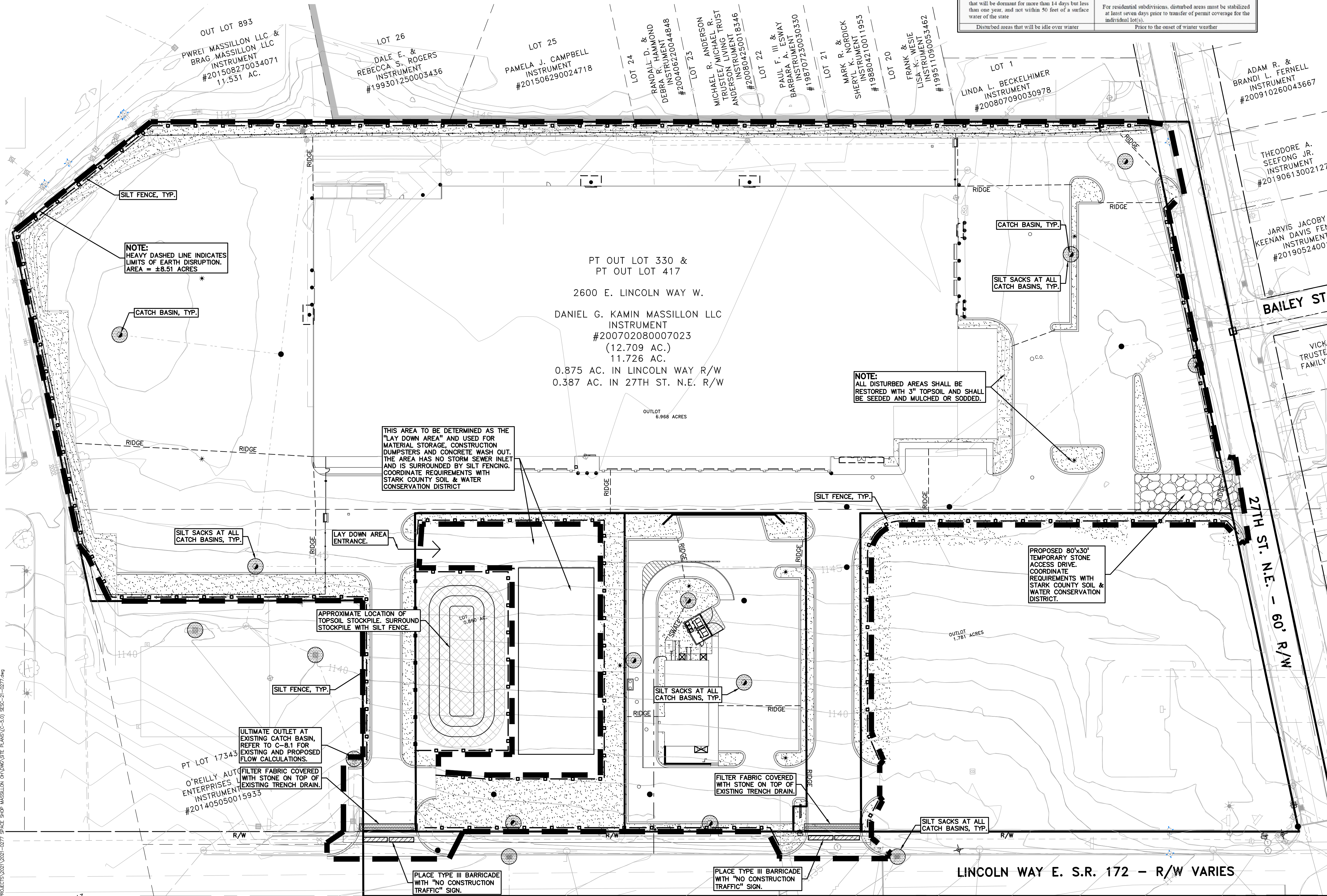
SYMBOLS: EROSION CONTROL:

(SP-2) SILT FENCE	(SI-2A) LOW POINT INLET FILTER
(SP-9) TEMPORARY STONE ACCESS DRIVE	(E-9) EROSION CONTROL BLANKET
TEMPORARY SEED AND MULCH	

REFER TO SOIL EROSION DETAIL SHEET C-5.1 AND SEDIMENTATION CONTROL COUNTY DETAILS SHEET FOR ALL DEVICE DETAILS.

LEGEND

EXISTING	PROPOSED
OH-ELEC-W	ELEC. PHONE OR CABLE TV OH LINE, POLE & GUY WIRE
UG-CATV	UNDERGROUND CABLE TV, CATV PEDESTAL
UG-PHONE	TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
UG-ELEC-CH	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
WATERMAIN	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
STORM SEWER	STORM SEWER, CLEANOUT & MANHOLE
COMBINED SEWER	COMBINED SEWER & MANHOLE
SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN	
POST RIGID VALVE	POST RIGID VALVE
WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF	
MANHOLE, TRANSFORMER, IRRIGATION CONTROL VALVE	
UNIDENTIFIED STRUCTURE	
SPOT ELEVATION	
CONTOUR LINE	
FENCE	
GUARD RAIL	
STREET LIGHT	
SIGN	
CONC.	CONCRETE
ASPH.	ASPHALT
GRAVEL	GRAVEL SHOULDER
	WETLAND
	STD. DUTY ONLY
	STD. DUTY MILL AND DUTY OVERLAY



SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE OF CONSTRUCTION

- CONTACT STARK SOIL & WATER CONSERVATION DISTRICT TO SCHEDULE A PRE-CONSTRUCTION MEETING AT (330) 451-7645 PRIOR TO ANY EARTH MOVING ACTIVITY.
- SEE STARK COUNTY W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL SOIL EROSION CONTROL RELATED DETAILS.
- PLACE SILT FENCE & INSTALL INLET FILTERS ON EXISTING STORM SEWER STRUCTURES, ACCORDING TO PLANS.
- INSTALL TEMPORARY CRUSHED CONCRETE ACCESS DRIVE AT ALL CONSTRUCTION ENTRANCES. (80"x24"x8" W/ MINIMUM OF 1"-3" CRUSHED CONCRETE - NO FINES).
- REMOVE CURB, PAVEMENT, TREES, ETC. AS DIRECTED ON THE DEMOLITION PLAN.
- STRIP AND STOCKPILE TOPSOIL FOR RESTORATION REQUIREMENTS.
- DISPOSE OF ALL EXCESS, UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO BURN OR BURY PITS ALLOWED.
- UNUSABLE MATERIALS CONSIST OF, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING: CONCRETE, ASPHALT, TREES, BRUSH, STUMPS, ROOTS, OR OTHER MISCELLANEOUS DEBRIS OR TRASH.
- MASS GRADE THE SITE IN ACCORDANCE WITH THE PLANS.
- INSTALL SEED, MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN WITHIN 5 DAYS OF COMPLETION OF MASS GRADING OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3-4" TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED. REFER TO STABILIZATION CHART ON THIS SHEET PER STARK COUNTY REQUIREMENTS.
- COMPLETE ROUGH GRADING OF SITE AND INSTALL UTILITIES. PLACE INLET FILTERS AT ALL INLETS AND CATCH BASINS, AS SHOWN.
- FINISH GRADE AND PAVE SITE AS PROPOSED TO DRAIN TO STORM SEWER SYSTEM. REPAIR INLET FILTERS AS REQUIRED.
- APPLY TOPSOIL, SEED AND MULCH/SOD TO ALL DISTURBED AREAS UPON COMPLETION OF GRADING. THE CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE EXPOSURE OF UNSTABILIZED AREAS.
- CLEAN PAVEMENT AND STORM SEWERS. REMOVE SILT FENCE, AND INLET FILTERS ONCE VEGETATION HAS BEEN ESTABLISHED.
- CLEAN DETENTION BASIN AND OVERFLOW SPILLWAYS AND REPAIR RIPRAP AS NECESSARY.
- ALL DIRT AND MUD TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY.
- STREET CATCH BASINS TO BE PERIODICALLY CLEANED AND FILTER CLOTH CHANGED AND MAINTAINED.

SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:

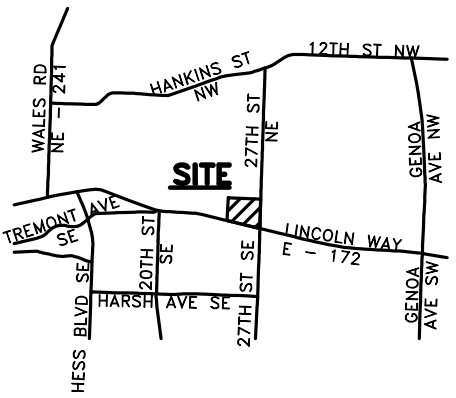
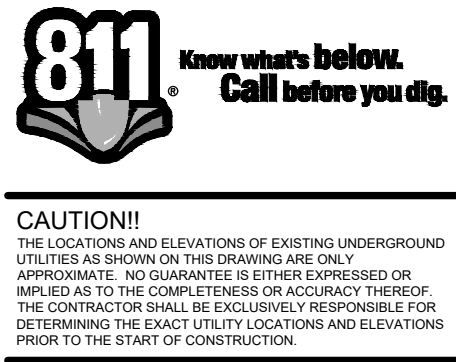
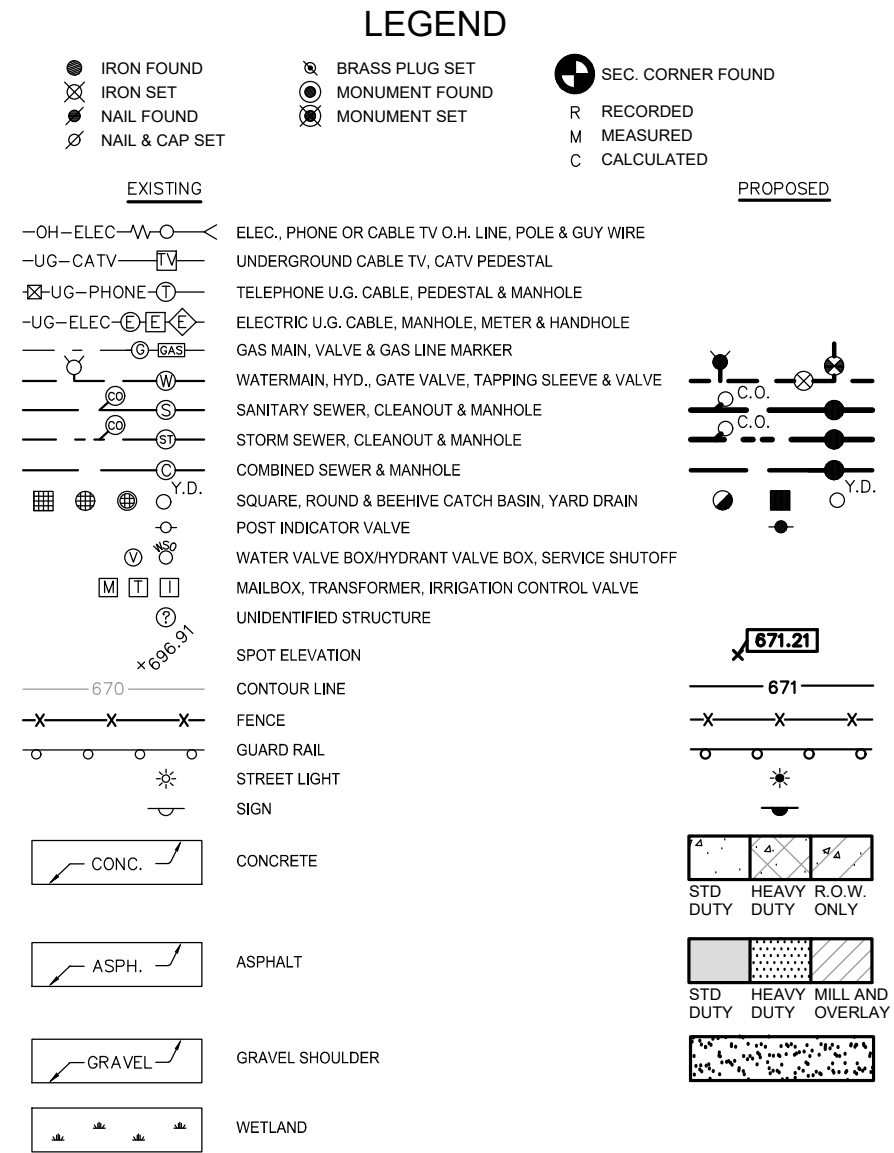
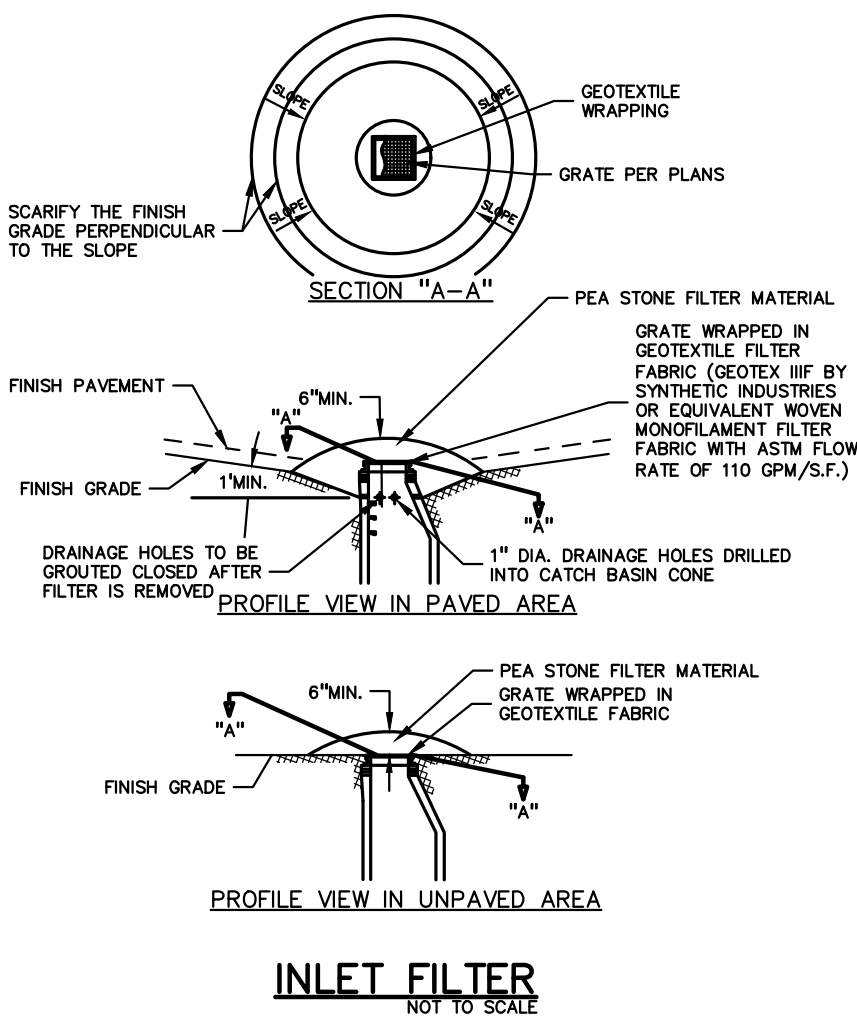
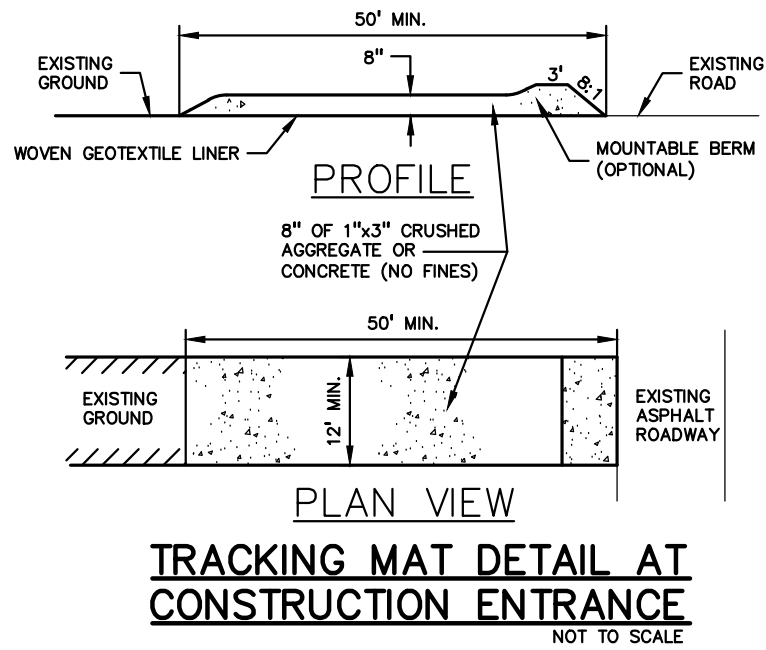
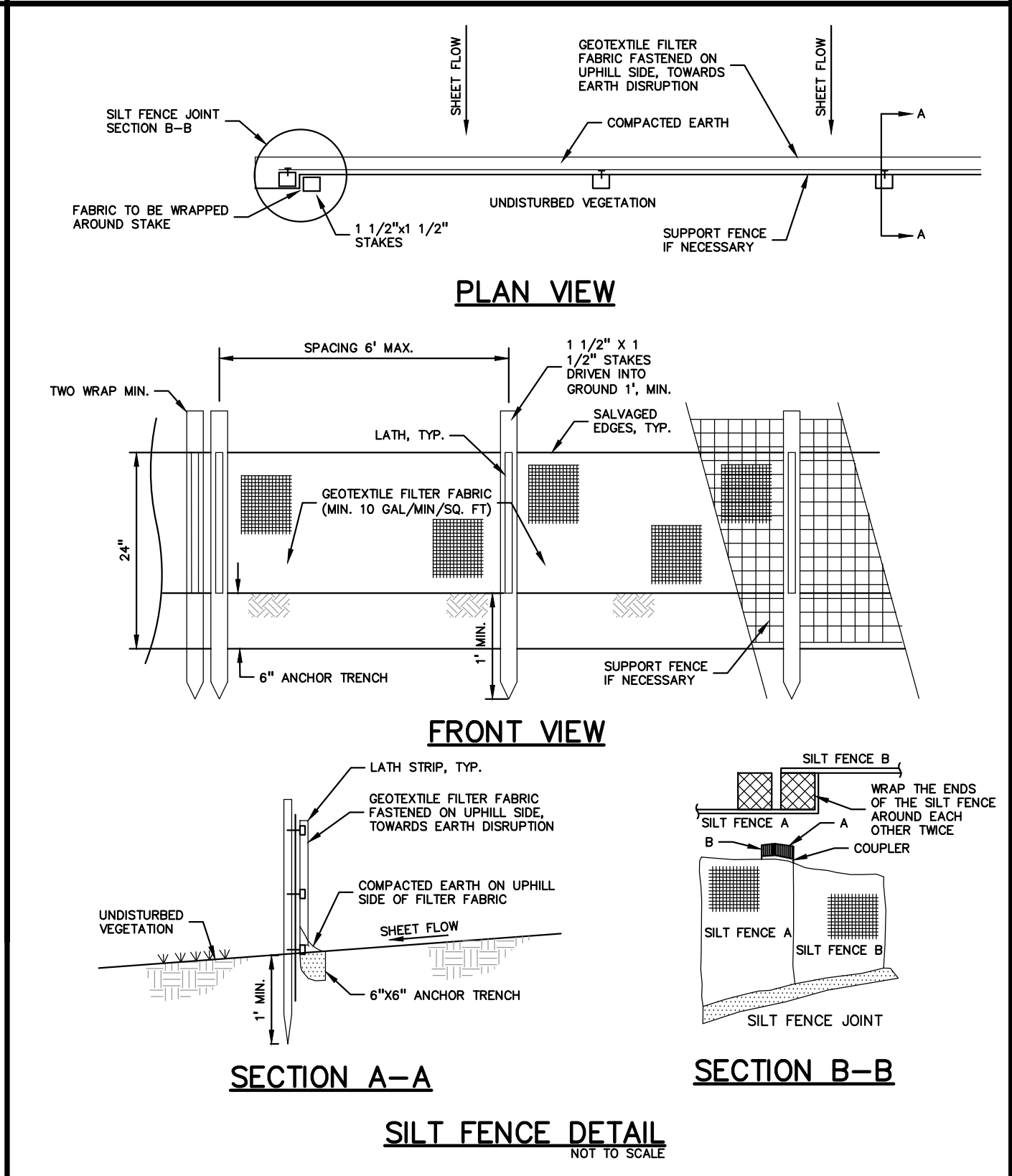
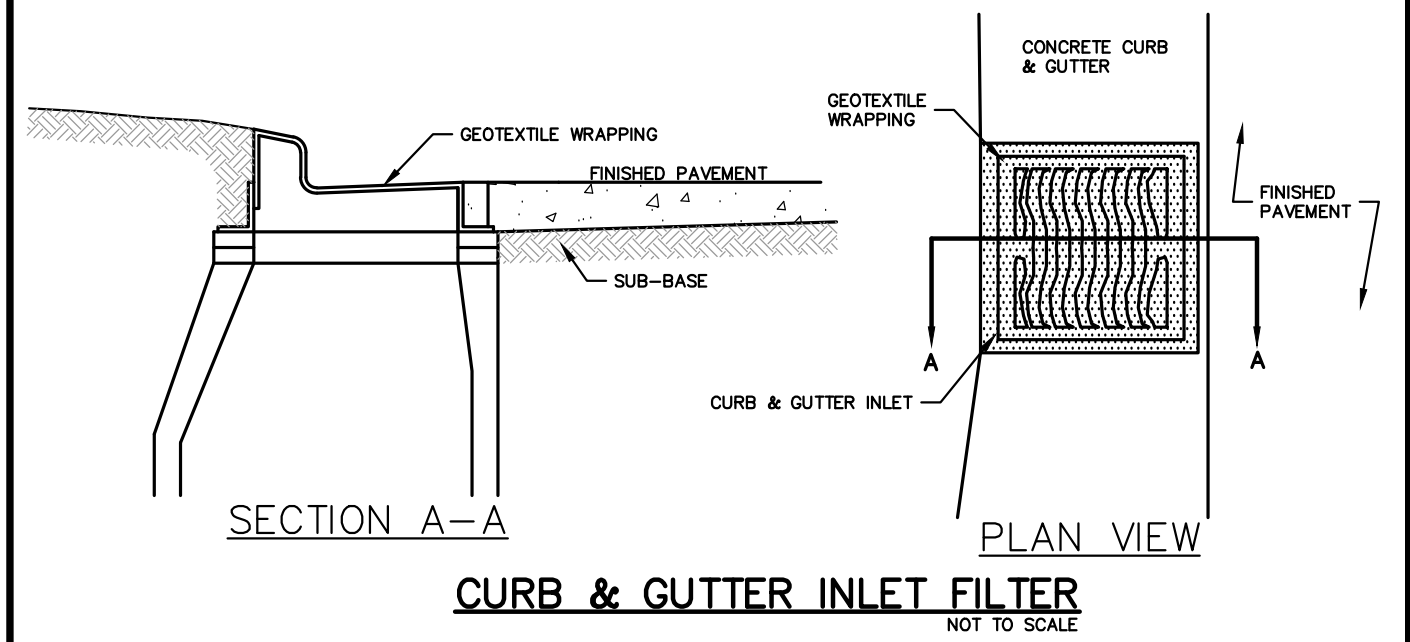
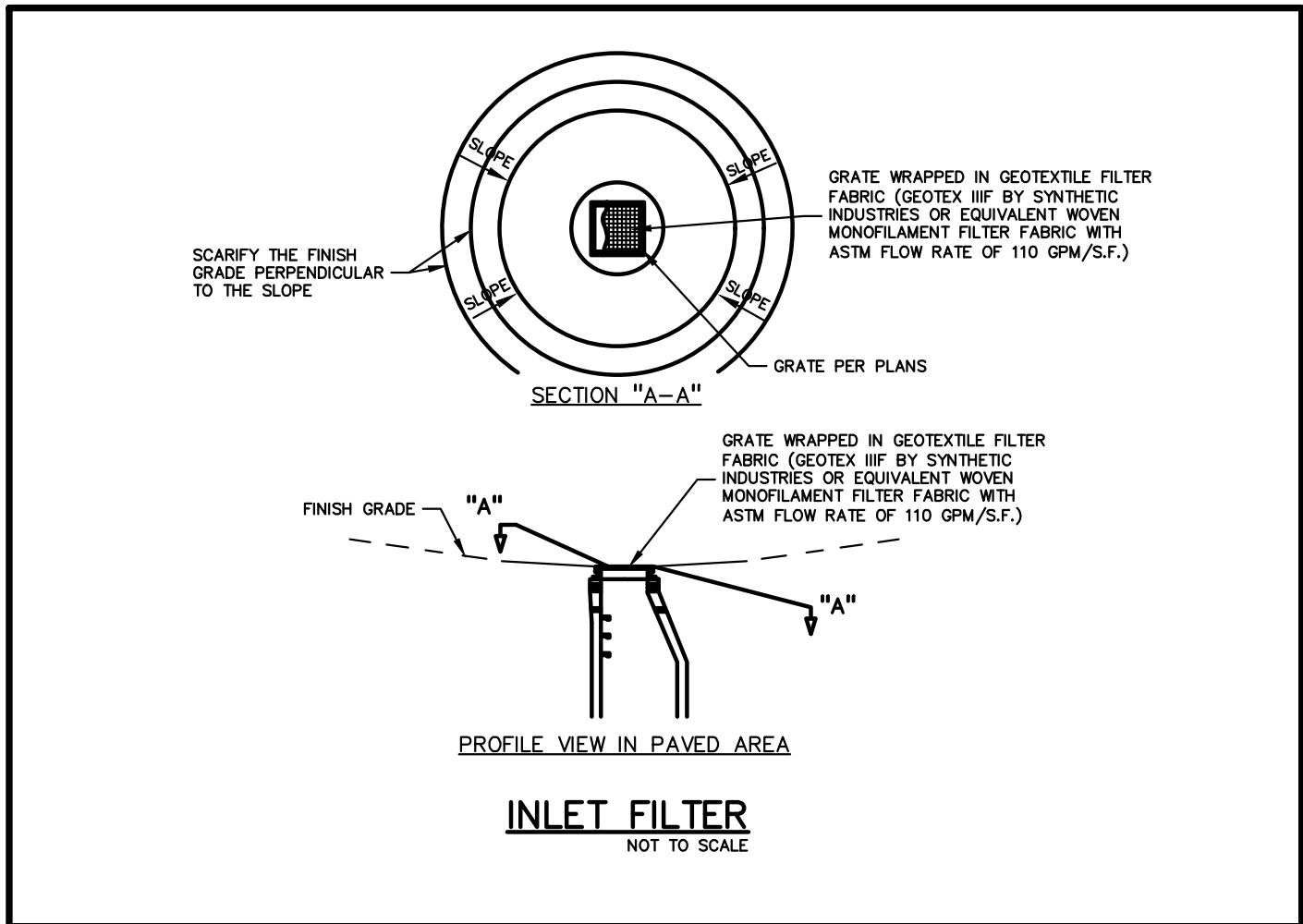
- THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY:
TBD
- IF ANY DAMAGE HAS OCCURRED OR WHEN EROSION PRACTICES FAIL OR NEED REPAIRS AS A RESULT OF STORM WATER DISCHARGE FROM THE SITE, THE FOLLOWING STEPS SHALL BE IMPLEMENTED.
- ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.
- ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
- SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
- INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
- CONTRACTOR TO PROVIDE WATER TRUCK TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.
- IF HIGH GROUNDWATER IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION A DEWATERING PLAN MUST BE SUBMITTED TO THE CITY ENGINEERING DIVISION FOR REVIEW.
- IF EROSION PRACTICES REPEATEDLY FAIL THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER.
- IF THE CONTRACTOR FINDS THAT THE SOIL EROSION MEASURES HAVE NOT BEEN INSTALLED PER THE SWPPP AND THIS PLAN, ALL WORK SHALL HALT UNTIL THE INSTALLATION HAS BEEN CORRECTED.
- REFER TO C-5.1 FOR OHIO EPA PERMIT OCH000005, PART III.G.2.i INSPECTION REQUIREMENTS.

GENERAL SITE CONDITIONS:

- TOTAL DISTURBED AREA = ±8.51 ACRES
- N.P.D.E.S. NOTICE OF COVERAGE IS REQUIRED



S:\PROJECTS\2021\0271-0277 SPACE SHOP MASSILLON ON\DWG\SITE PLANS\C-5.01 SESS-C-21-0277.dwg



CLIENT
STEIN INVESTMENT GROUP
5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
2600 LINCOLN WAY E
MASSILLON, STARK COUNTY, OHIO

REVISIONS	
PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

ORIGINAL ISSUE DATE:
JULY 21, 2021

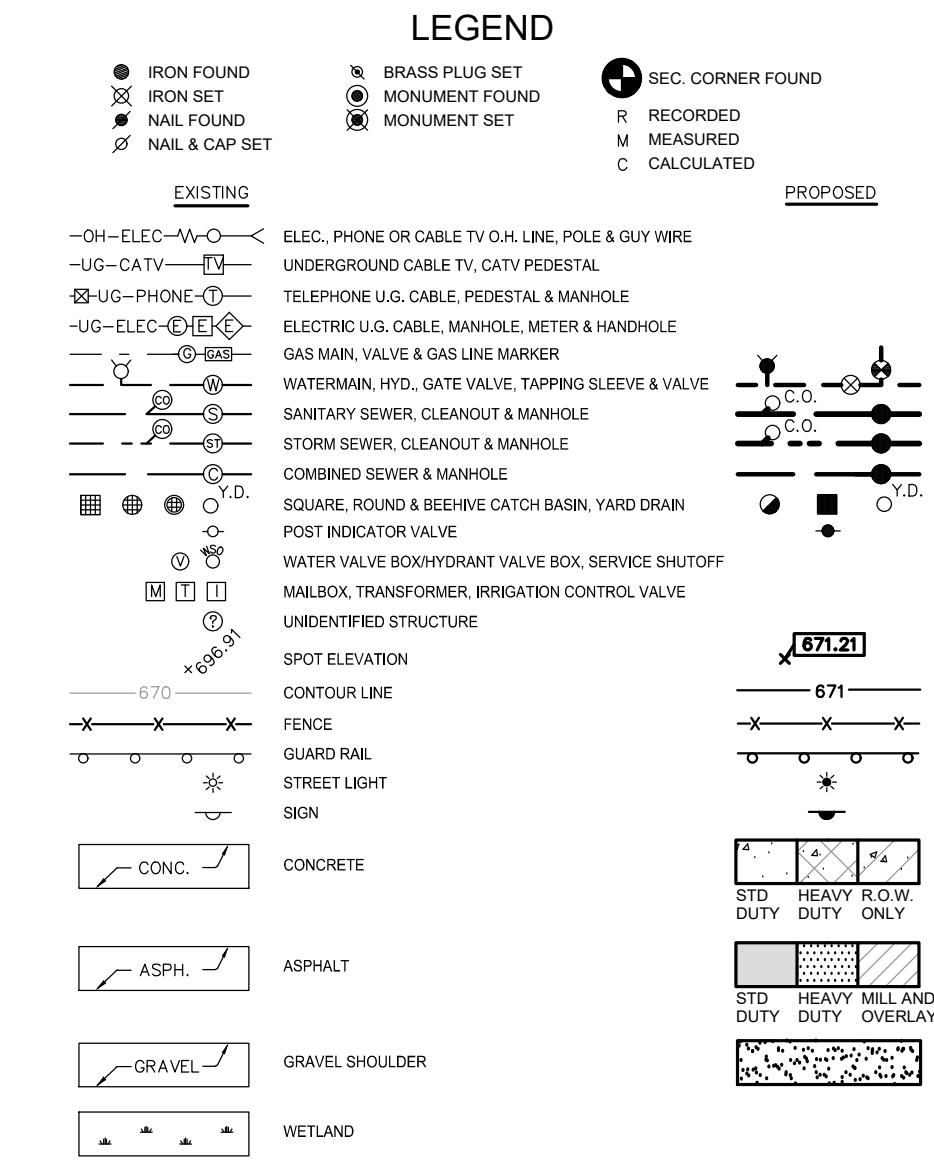
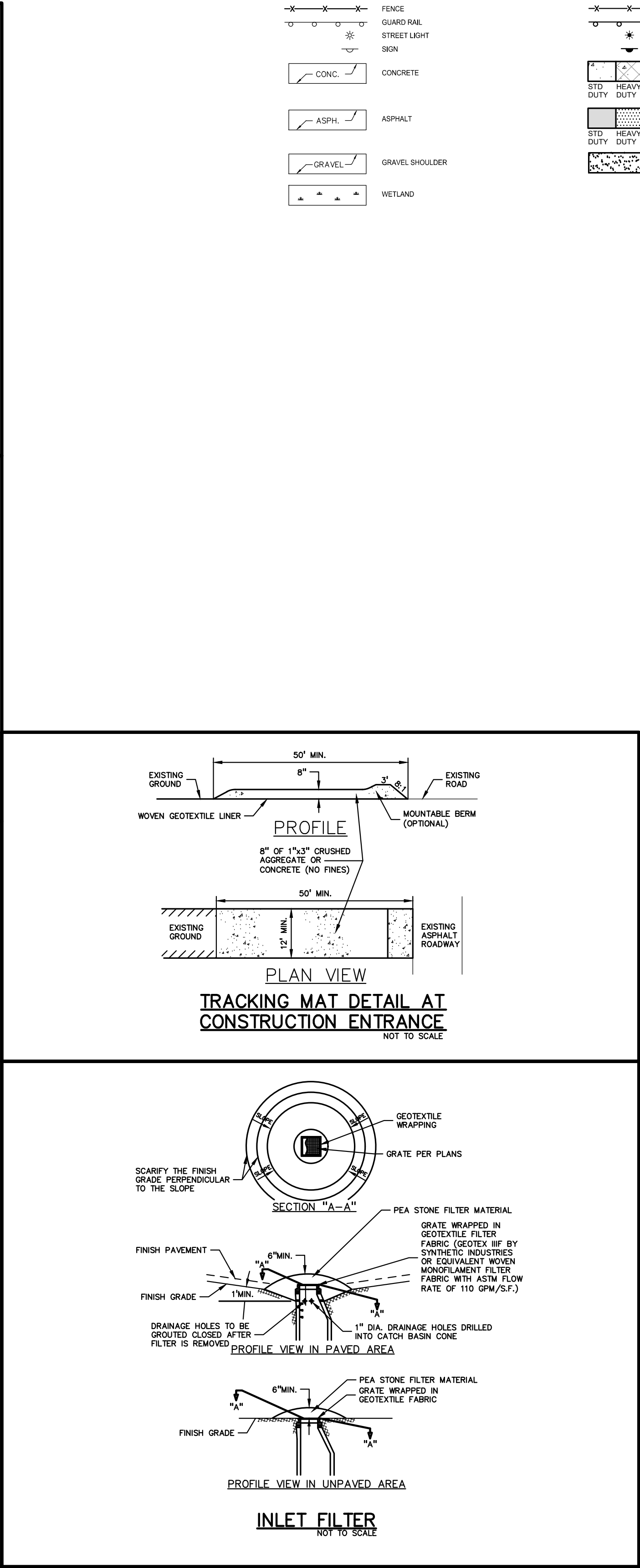
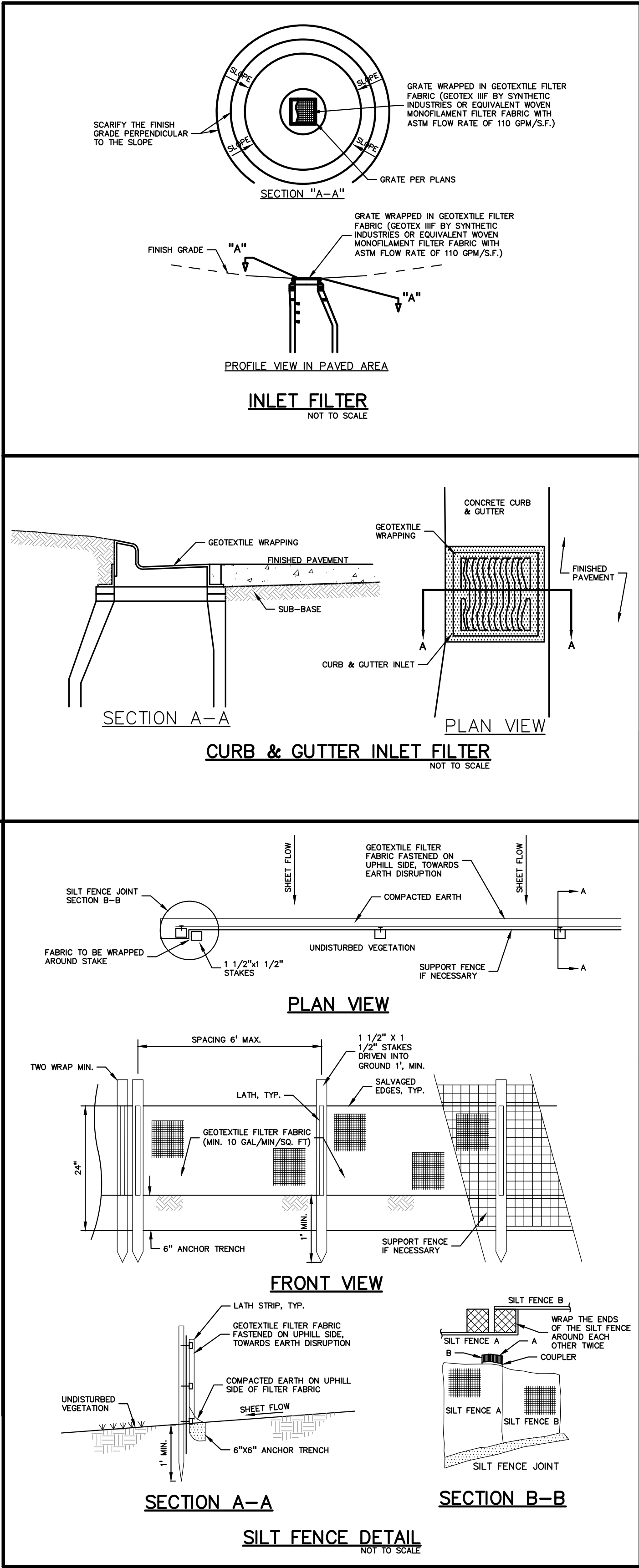
DRAWING TITLE
**SESS
DETAILS**

PEA JOB NO.	2021-0277
P.M.	LA
DN.	JKS
DES.	JDS

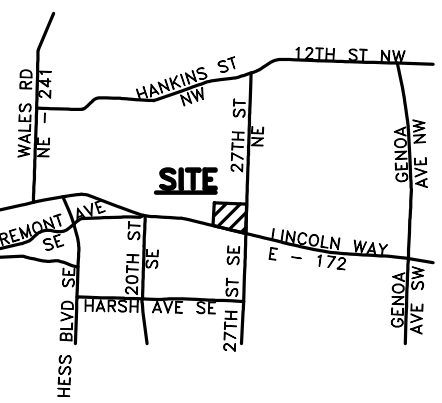
DRAWING NUMBER:
C-5.1

Per Ohio EPA Permit OCH000005, Part III.G.2.i – Inspections:
The permittee shall maintain for three years following the submittal of a notice of termination form, a record summarizing the results of the inspection, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWP3 and a certification as to whether the facility is in compliance with the SWP3 and the permit and identify any incidents of non-compliance. The record and certification shall be signed in accordance with Part V.G. of this permit.

- i. When practices require repair or maintenance. If the inspection reveals that a control practice is in need of repair or maintenance, with the exception of a sediment settling pond, it shall be repaired or maintained within 3 days of the inspection. Sediment settling ponds shall be repaired or maintained within 10 days of the inspection.
- ii. When practices fail to provide their intended function. If the inspection reveals that a control practice fails to perform its intended function and that another, more appropriate control practice is required, the SWP3 shall be amended and the new control practice shall be installed within 10 days of the inspection.
- iii. When practices depicted on the SWP3 are not installed. If the inspection reveals that a control practice has not been implemented in accordance with the schedule contained in Part III.G.1.h of this permit, the control practice shall be implemented within 10 days from the date of the inspection. If the inspection reveals that the planned control practice is not needed, the record shall contain a statement of explanation as to why the control practice is not needed



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CLIENT
STEIN INVESTMENT GROUP
5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
2600 LINCOLN WAY E
MASSILLON, STARK COUNTY, OHIO

REVISIONS
PER CITY REVIEW 9.9.2021
ISSUED FOR CONSTRUCTION 10.15.2021
PER COUNTY COMMENTS 11.03.2021

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JULY 21, 2021

DRAWING TITLE
SESC DETAILS

PEA JOB NO. 2021-0277
P.M. LA
DN. JKS
DES. JDS

DRAWING NUMBER:
C-5.1

UTILITY CROSSINGS									
CROSSING	CROSSING PIPE 1				CROSSING PIPE 2				WM COVER
1	4"	SAN	T/P=	35.88	6"	ST	B/P=	37.44	1.56
2	4"	SAN	T/P=	35.88	6"	ST	B/P=	37.38	1.50
3	24"	ST	T/P=	34.44	1.50"	WM	B/P=	36.03	1.59
4	12"	ST	B/P=	29.37	1.50"	WM	T/P=	27.87	1.50
									DIP WATER 8.64

LEGEND

IRON FOUND

IRON SET

NAIL FOUND

NAIL & CAP SET

BRASS PLUG SET

MONUMENT FOUND

MONUMENT SET

SEC. CORNER FOUND

RECORDED

NAIL & CAP SET

CALCULATED

EXISTING

OH-ELEC-W-W

UG-CATV

UG-PHONE

UG-ELEC-CH-CH

WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE

SANITARY SEWER, CLEANOUT & MANHOLE

STORM SEWER, CLEANOUT & MANHOLE

COMBINED SEWER & MANHOLE

SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

POST INDICATOR VALVE

WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF

MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE

UNIDENTIFIED STRUCTURE

SPOT ELEVATION

CONTOUR LINE

FENCE

GUARD RAIL

STREET LIGHT

SIGN

CONC.

ASPH.

GRAVEL

WETLAND

PROPOSED

ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE

UNDERGROUND CABLE TV, CATV PEDESTAL

TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE

ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE

GAS MAIN, VALVE & GAS LINE WARMER

WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE

SANITARY SEWER, CLEANOUT & MANHOLE

STORM SEWER, CLEANOUT & MANHOLE

COMBINED SEWER & MANHOLE

SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

POST INDICATOR VALVE

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SIGN

CONC.

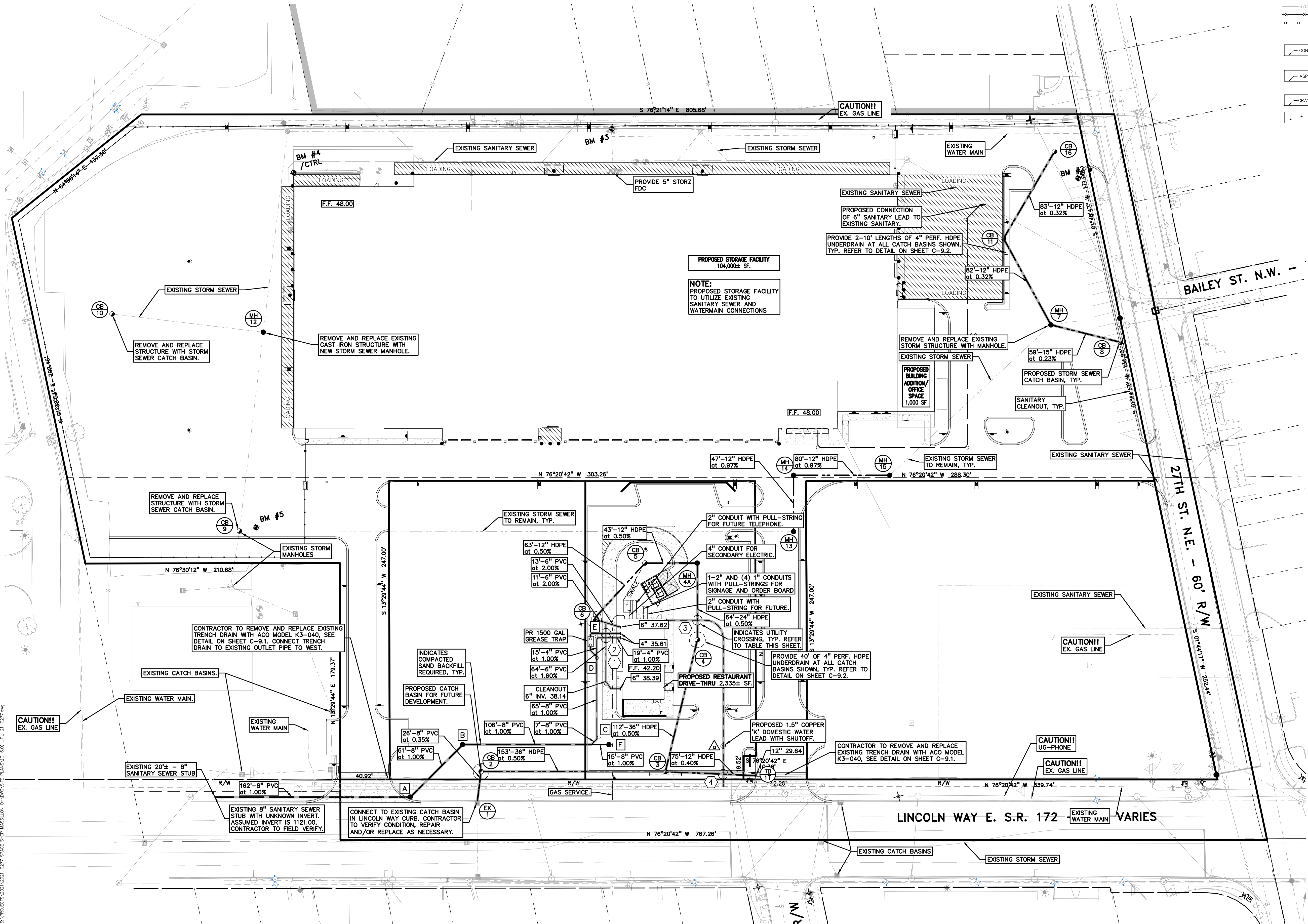
ASPH.

GRAVEL

WETLAND

REFER TO SHEET C-8.1 FOR STORM SEWER CALCULATIONS.

NOTE:
ALL PROPOSED GRADES, RIMS AND INVERTS ARE SHOWN -1100' FROM REAL ELEVATION VALUE.



STORM STRUCTURES		
CB 2	(4' DIA./2' SUMP) RIM = 35.28 36" E 26.98 8" S 26.98	
CB 3	(6' DIA./2' SUMP) RIM = 36.60 36" NE 29.24 12" E 29.34 36" W 27.74	
MH 4A	(4' DIA./0' SUMP) RIM = 43.00 12" W 34.72 24" S 32.42	
CB 4	(4' DIA./2' SUMP) RIM = 41.00 24" N 32.11 36" SW 29.81	
CB 5	(4' DIA./2' SUMP) RIM = 41.44 12" SW 36.44 12" E 34.94	
CB 6	(4' DIA./2' SUMP) RIM = 40.80 6" SE 37.15 12" NE 36.75	
MH 7	(4' DIA./2' SUMP) RIM = 44.94 15" SE 39.16 12" N 39.16 12" SW 39.16	EXISTING
CB 8	(4' DIA./2' SUMP) RIM = 43.50 15" NW 39.30	
CB 9	(4' DIA./2' SUMP) RIM = 43.65 12" E 33.51 18" SW 33.01 18" N 35.21	EXISTING EXISTING EXISTING
CB 10	(4' DIA./2' SUMP) RIM = 45.25 12" E 37.42	EXISTING
CB 11	(4' DIA./2' SUMP) RIM = 45.00 12" NE 39.42 12" S 39.42	
MH 12	(4' DIA./0' SUMP) RIM = 47.41	
MH 13	(4' DIA./0' SUMP) RIM = 44.96 12" N 35.48 12" W 35.48	EXISTING
MH 14	(4' DIA./0' SUMP) RIM = 46.57 12" E 35.93 12" S 35.93	
MH 15	(4' DIA./0' SUMP) RIM = 46.70 12" NE 36.71 12" W 36.71	EXISTING
CB 16	(4' DIA./2' SUMP) RIM = 44.70 12" SW 39.69	

EXISTING STORM STRUCTURES	
EX 1	EXISTING STRUCTURE RIM = 31.89 8" N 26.89 10" E 26.89 10" W 26.89

WATER MAIN STRUCTURES	
a	1.5" VALVE IN BOX RIM = 37.82

SANITARY STRUCTURES		SANITARY CLEANOUTS	
A	MH (4' DIA.) RIM = 32.36 8" NE 32.44 8" W 34.28	C	C.O. IN BOX RIM. 39.49 8" N 34.38 8" SW 34.28
B	MH (4' DIA.) RIM = 36.25 8" E 33.15 8" SW 33.05	E	C.O. IN BOX RIM. 41.09 4" NE 35.41 4" S 35.31
F	MH (4' DIA.) RIM = 38.99 8" W 34.36	D	C.O. IN BOX RIM. 41.38 4" N 35.13 8" S 35.03

PEA GROUP

t: 844.813.2949

www.peagroup.com



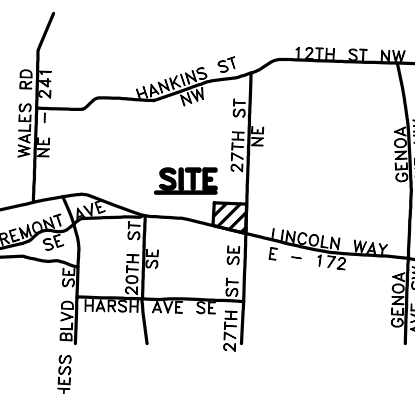
NORTH

0 20 40 80

SCALE: 1" = 40'



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CLIENT

STEIN INVESTMENT GROUP

5607 GLENRIDGE DRIVE, SUITE 200

ATLANTA, GA 30342

PROJECT TITLE

THE SPACE SHOP-MASSILLON

2600 LINCOLN WAY E

MASSILLON, STARK COUNTY, OHIO

REVISIONS	
PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE
UTILITY PLAN

PEA JOB NO. 2021-0277

P.M. LA

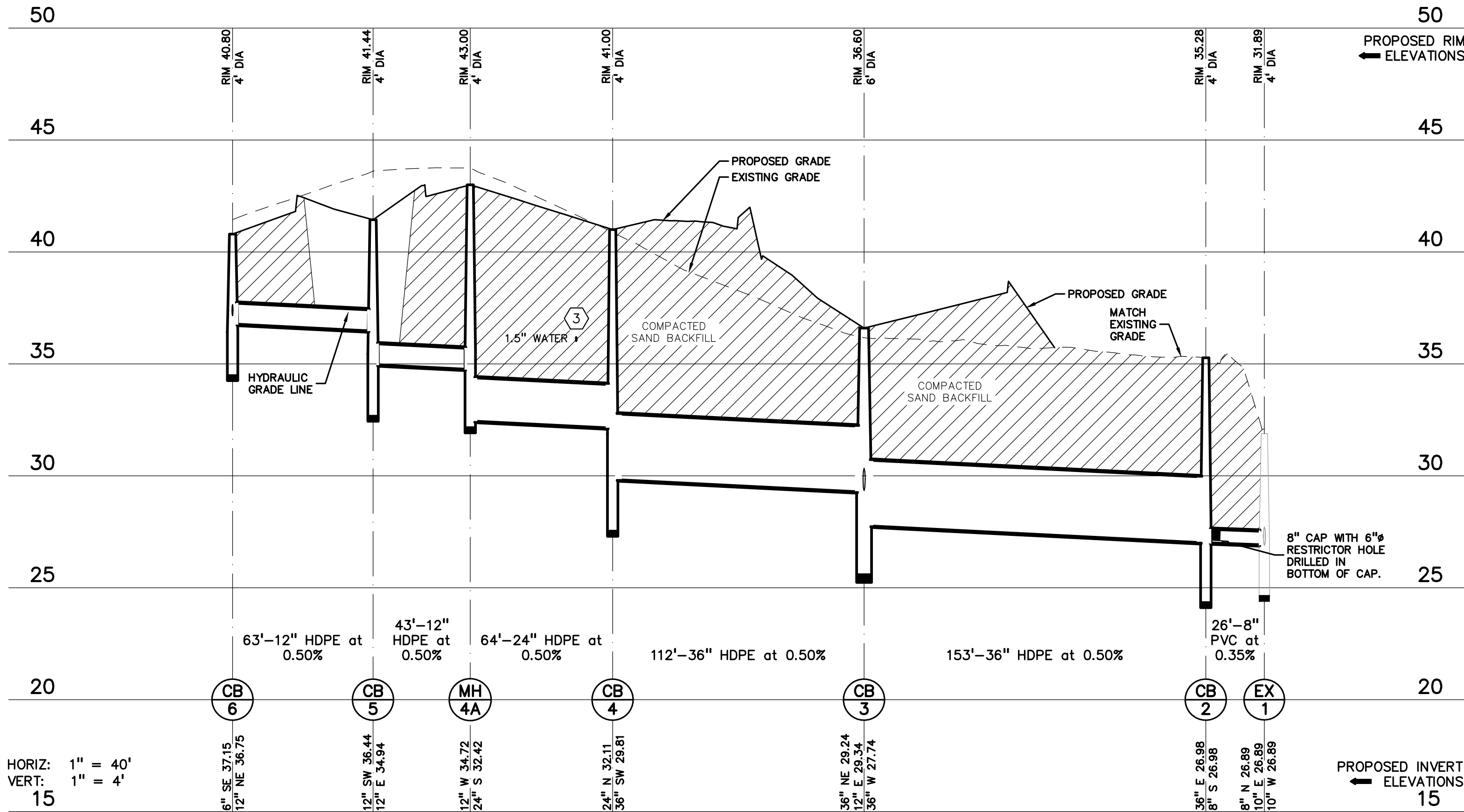
DN. JKS

DES. JDS

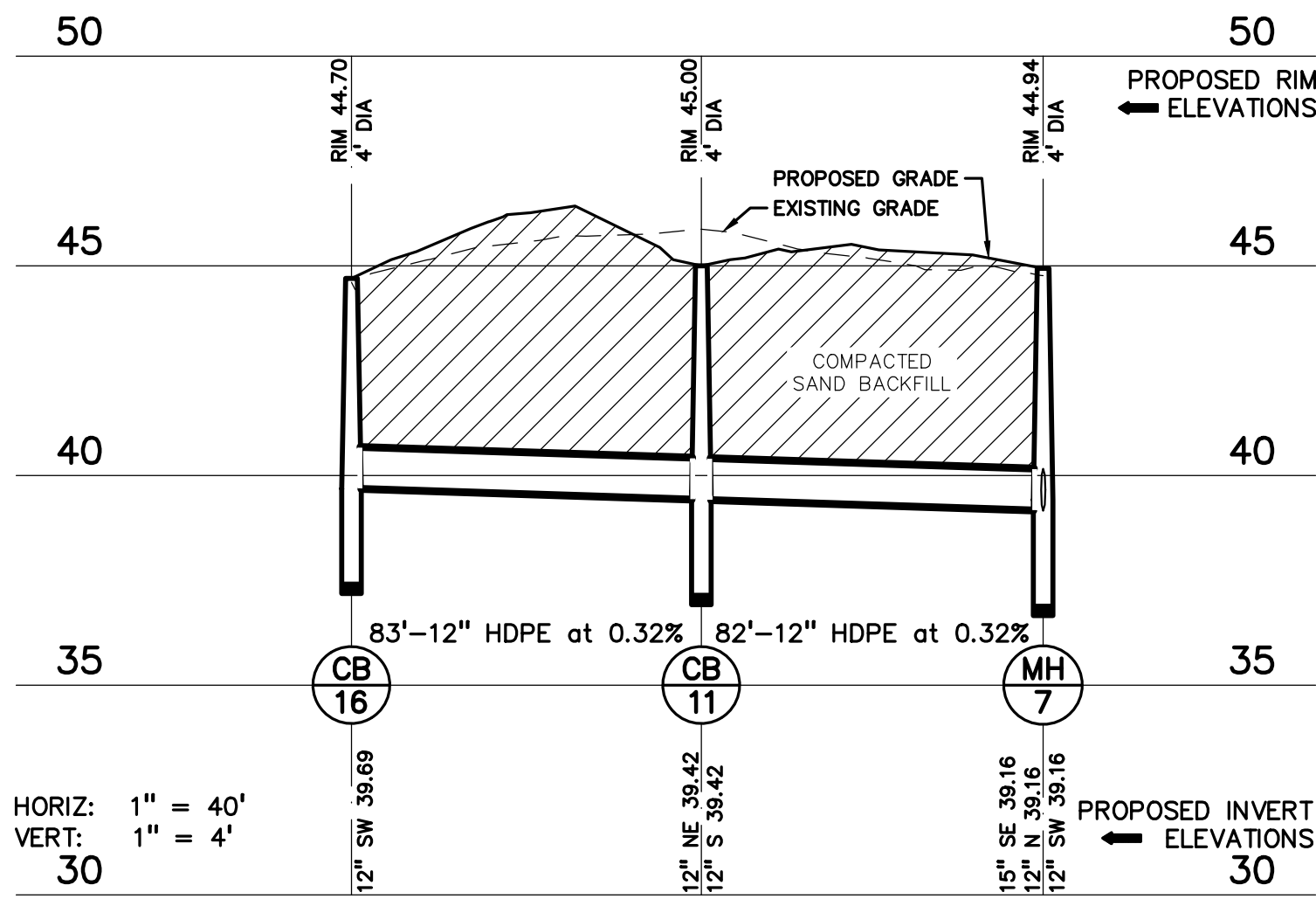
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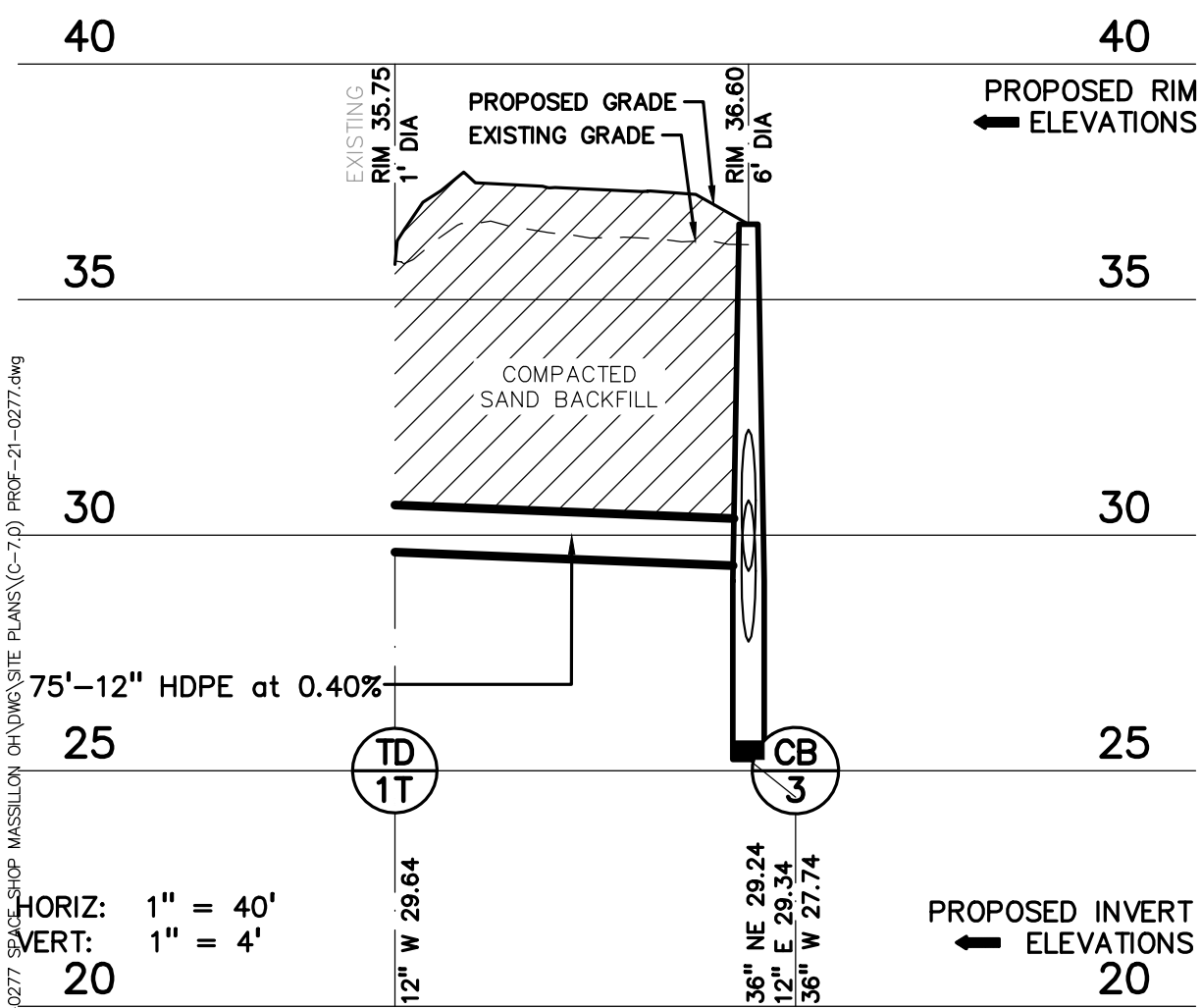
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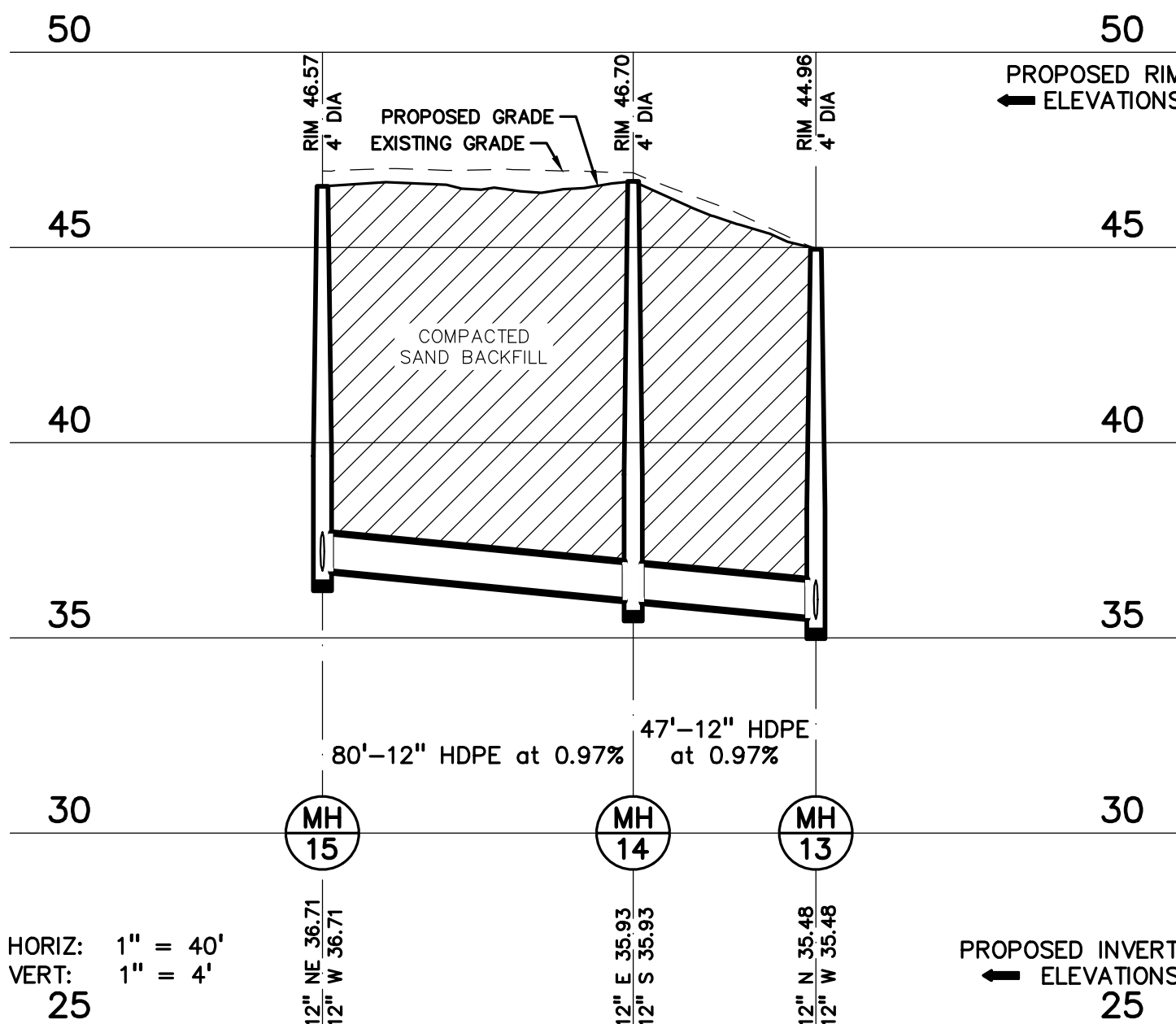
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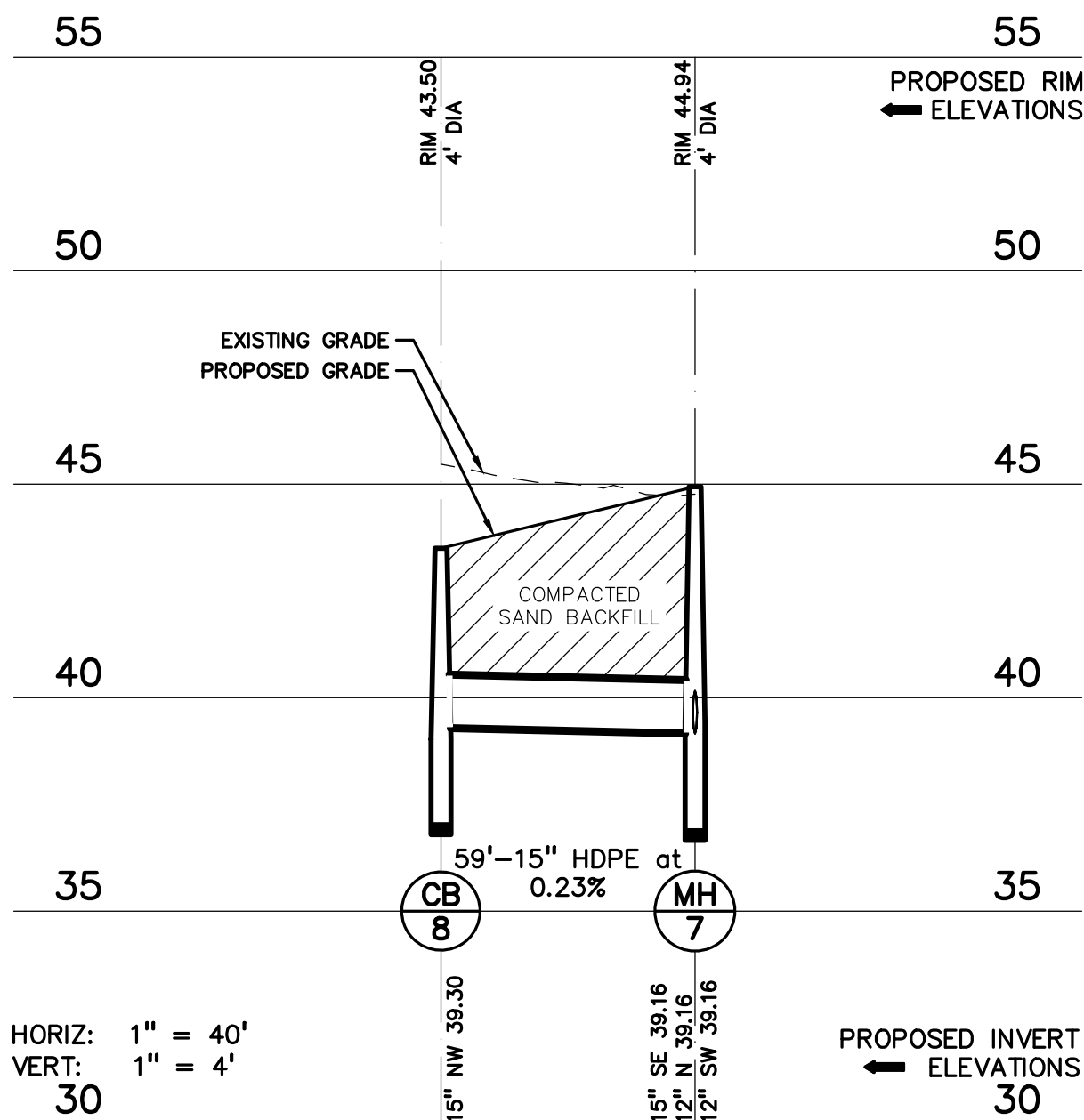
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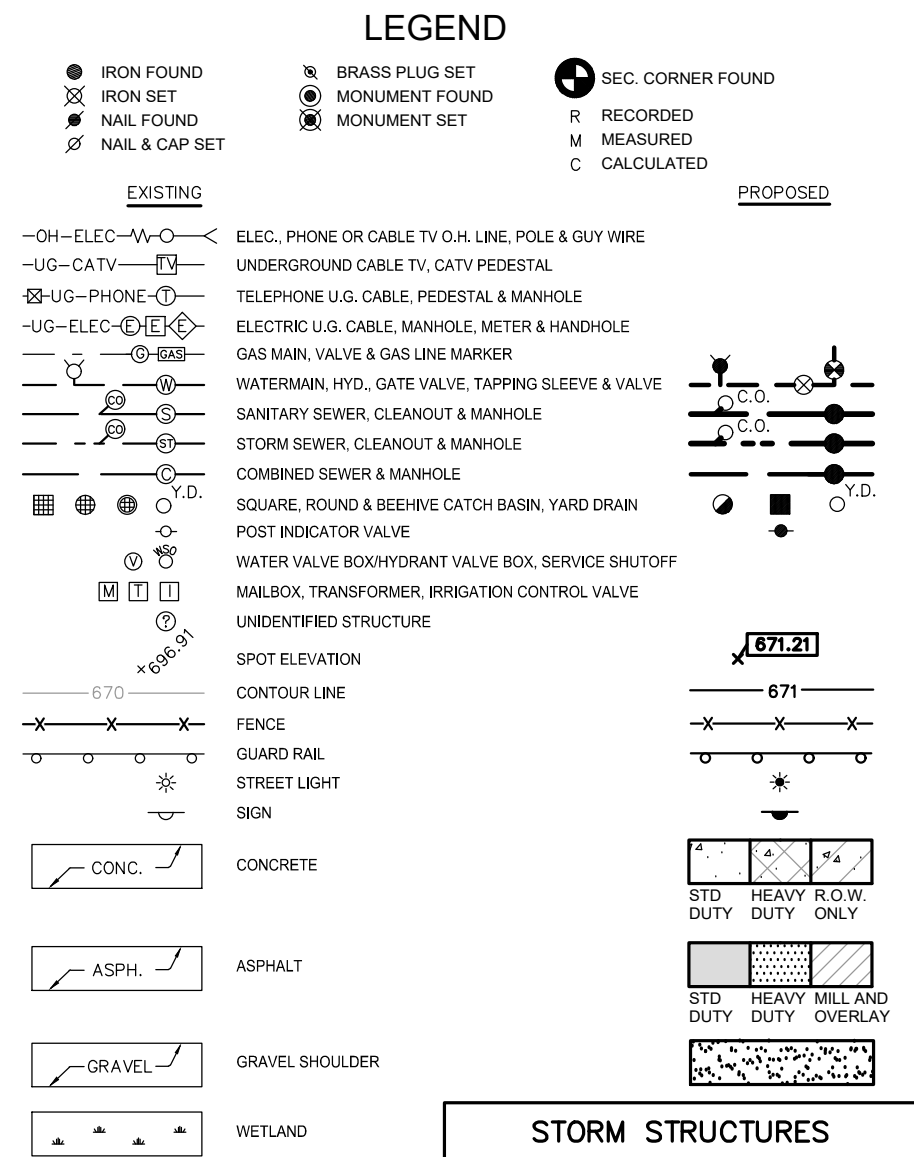
TRENCH DRAIN - 3 PROFILE



ST 15 - 13 PROFILE



ST 8 - 7 PROFILE



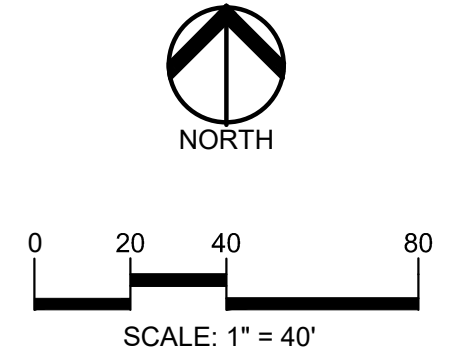
STORM STRUCTURES		
CB	2	(4' DIA./2' SUMP) RIM = 35.28 36" E 26.98 8" S 26.98
CB	3	(6' DIA./2' SUMP) RIM = 36.60 36" NE 29.24 12" E 29.34 36" W 27.74
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CB	8	(4' DIA./2' SUMP) RIM = 43.65 12" E 33.51 18" SW 33.01 18" N 35.21
CB	9	(4' DIA./2' SUMP) RIM = 45.25 12" E 37.42
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EXISTING STORM STRUCTURES	
EX	1
1	EXISTING STRUCTURE RIM = 31.89 8" N 26.89 EXISTING 10" E 26.89 EXISTING 10" W 26.89 EXISTING

WATER MAIN STRUCTURES	
W	1
1	1.5" VALVE IN BOX RIM = 37.82

SANITARY STRUCTURES		SANITARY CLEANOUTS	
A	MH (4' DIA.) RIM = 32.36 8" NE 32.44 8" SW 22.62	C	C.O. IN BOX RIM = 39.49 8" N 34.38 8" SW 34.28
B	MH (4' DIA.) RIM = 36.25 8" E 33.15 8" SW 33.05	E	C.O. IN BOX RIM = 41.09 4" NE 35.41 4" S 35.31
F	MH (4' DIA.) RIM = 38.99 8" W 34.36	D	C.O. IN BOX RIM = 41.38 4" N 35.13 8" S 35.03

UTILITY CROSSINGS						
CROSSING	CROSSING PIPE 1		CROSSING PIPE 2		CLEARANCE NOTES	WM COVER
1	4"	SAN T/P=	35.88	6"	ST B/P=	37.44
2	4"	SAN T/P=	35.88	6"	ST B/P=	37.38
3	24"	ST T/P=	34.44	1.50"	WM B/P=	36.03
4	12"	ST B/P=	29.37	1.50"	WM T/P=	27.87
					1.50	DIP WATER



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CLIENT
STEIN INVESTMENT GROUP
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ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
2600 LINCOLN WAY E
MASSILLON, OHIO

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ORIGINAL ISSUE DATE:
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DRAWING TITLE
STORM SEWER PROFILES

PEA JOB NO. 2021-0277

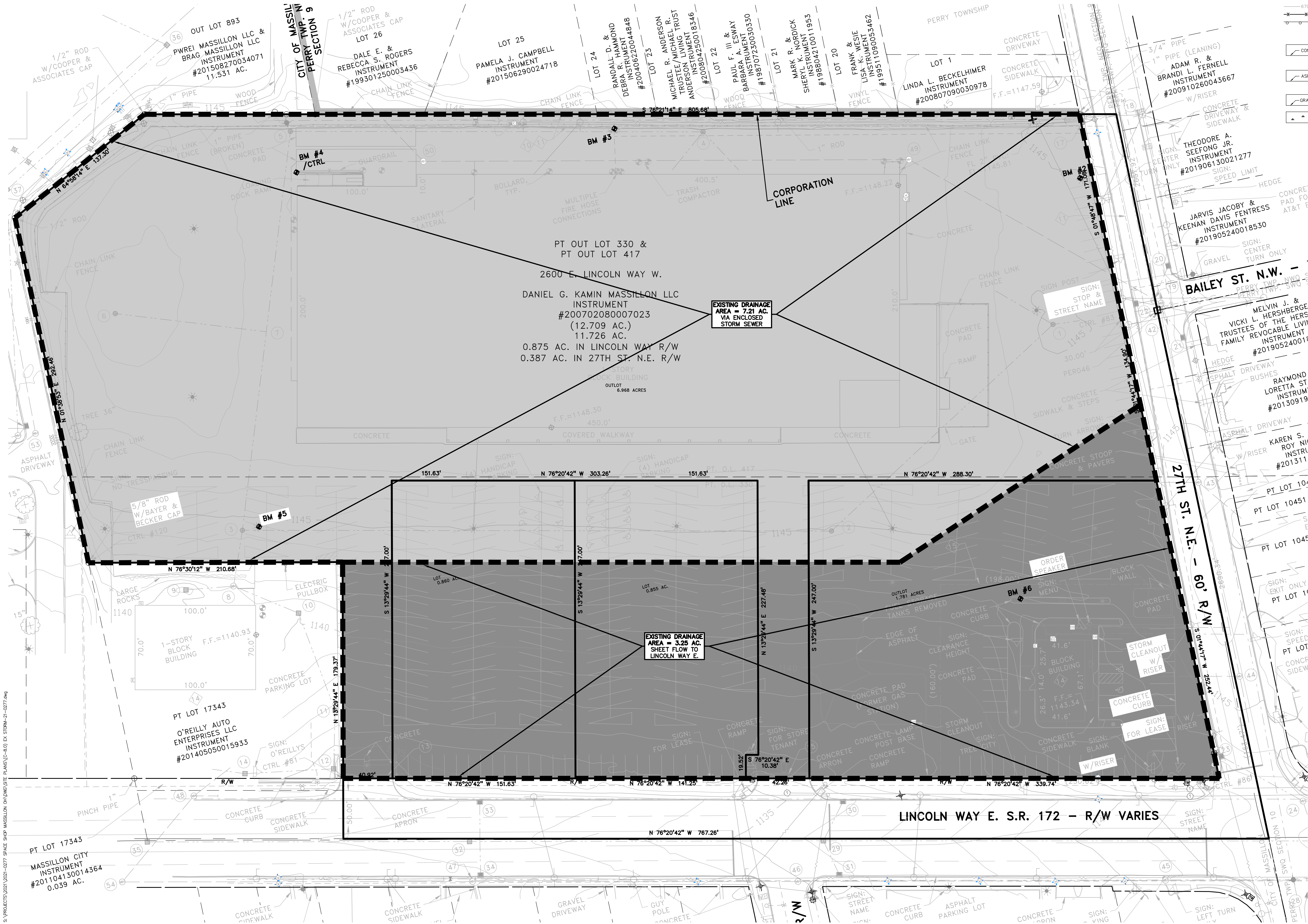
P.M. LA

DN. JKS

D.S. JDS

DRAWING NUMBER:

C-7.0



LEGEND

● IRON FOUND	⊗ BRASS PLUG SET	⊙ SEC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	⊗ R. RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	⊗ M. MEASURED
⊗ NAIL & CAP SET		⊗ C. CALCULATED

EXISTING

—OH—ELEC—W—	ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
—UG—CATV—	UNDERGROUND CABLE TV, CATV PEDESTAL
—UG—PHONE—	TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
—UG—ELEC—	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
—GAS—	GAS MAIN, VALVE & GAS LINE MARKER
—WATER—	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
—SEWER—	SANITARY SEWER, CLEANOUT & MANHOLE
—STORM—	STORM SEWER, CLEANOUT & MANHOLE
—COMB—	COMBINED SEWER & MANHOLE
—SQUARE—	SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
—POST—	POST INDICATOR VALVE
—WATER—	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
—MAIL—	MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
—UNID—	UNIDENTIFIED STRUCTURE
—SPOT—	SPOT ELEVATION
—CONTOUR—	CONTOUR LINE
—FENCE—	FENCE
—GUARD—	GUARD RAIL
—STREET—	STREET LIGHT
—SIGN—	SIGN
—CONC.—	CONCRETE
—ASPH.—	ASPHALT
—GRAVEL—	GRAVEL SHOULDER
—WETLAND—	WETLAND

NOTE:
STORMWATER MANAGEMENT
CALCULATIONS FOR EXISTING
AND PROPOSED CONDITIONS,
REFER TO SHEET C-8.1.

PEA GROUP
t. 844.813.2949
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STATE OF OHIO
David N. Hunter
74979
REGISTERED PROFESSIONAL ENGINEER

NORTH

0 20 40 80
SCALE: 1" = 40'

811 Know what's below.
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CLIENT
STEIN INVESTMENT GROUP
5607 GLENDRIVE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
2600 LINCOLN WAY E.
MASSILLON, STARK COUNTY, OHIO

REVISIONS	
PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

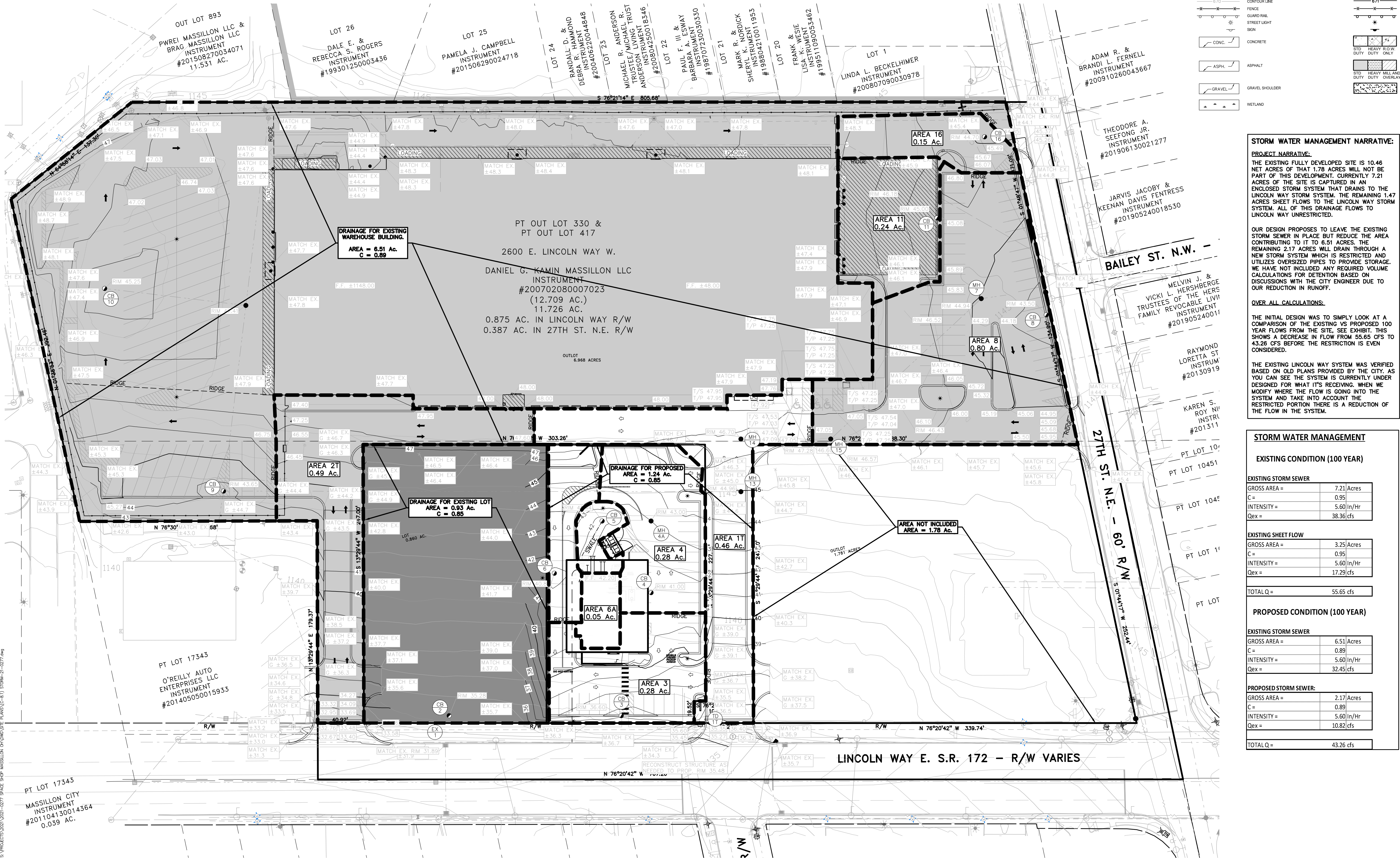
ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE
EXISTING DRAINAGE MAP

PEA JOB NO.	2021-0277
P.M.	LA
DN.	JKS
DES.	JDS

DRAWING NUMBER:
C-8.0

STORM SEWER SYSTEM DESIGN - 10 YEAR																															
I = B(T+D) ^E				B = 175.0				D = 25.0				E = 1																			
C = varies				Pipe "n" Value =				0.013																							
T = 15 (min.)																															
FROM STR	TO STR	AREA (A) (Acres)	COEF. C	A x C	TOTAL AREA (Acres)	TOTAL AREA (Ac)	TIME t (min.)	INT. I (in/hr)	FLOW Q (cfs)	PIPE CAP. (cfs)	PIPE DIA. (in.)	PIPE LENGTH (ft.)	PIPE SLOPE (%)	MIN HG PER "Q"	VEL. FULL (ft./sec)	TIME FLOW (min.)	H.G.L. ELEV.		RIM ELEV.		INVERT ELEV.		PIPE COVER		HGL COVER						
																		UP STREAM	DOWN STREAM	UP STREAM	DOWN STREAM	UP STREAM	DOWN STREAM	UP STREAM	DOWN STREAM	UP STREAM	DOWN STREAM				
6	5	0.12	0.81	0.10	0.15	15.00	4.38	0.65	2.52	12	63	0.50	0.03%	3.2	0.3	37.55	37.24	40.80	41.44	36.75	36.44	2.88	3.84	3.25	4.20						
5	4A	0.05	0.49	0.02	0.17	0.22	15.30	4.34	0.75	2.52	12	43	0.50	0.04%	3.2	0.2	35.74	35.52	41.44	43.00	34.94	34.72	5.34	7.11	5.70	7.48					
4A	4	0.00	0.00	0.00	0.17	0.22	15.50	4.32	0.75	16.00	24	64	0.50	0.00%	5.1	0.2	34.02	33.71	43.00	41.00	32.42	32.11	8.33	6.64	8.98	7.29					
4	3	0.28	0.90	0.25	0.42	0.50	15.70	4.30	1.81	47.16	36	112	0.50	0.00%	6.7	0.3	32.21	31.64	41.00	36.60	29.81	29.24	7.86	4.02	8.79	4.96					
3	2	0.28	0.87	0.24	1.10	1.24	16.00	4.29	4.69	47.16	36	153	0.50	0.00%	6.7	0.4	31.38	31.37	36.60	35.28	27.74	26.98	5.52	4.96	5.22	3.90					
2	1	0.00	0.00	0.00	1.10	1.24	16.40	4.23	4.69	0.71	8	26	0.35	15.10%	2.0	0.2	31.37	27.42	35.28	31.89	26.98	26.89	7.49	4.19	3.90	4.47					
8	7	0.80	0.88	0.70	0.70	0.80	15.00	4.38	3.06	3.10	15	59	0.23	0.22%	2.5	0.4	40.30	40.16	43.50	44.94	39.30	39.16	2.77	4.34	3.20	4.78					
16	11	0.15	0.91	0.13	0.13	0.15	15.00	4.38	0.58	2.02	12	83	0.32	0.03%	2.6	0.5	40.49	40.22	44.70	45.00	39.69	39.42	3.85	4.41	4.21	4.78					
11	7	0.24	0.91	0.22	0.35	0.39	15.50	4.32	1.52	2.02	12	82	0.32	0.18%	2.6	0.5	40.22	39.96	45.00	44.94	39.42	39.16	4.41	4.62	4.78	4.98					
15	14	0.00	0.00	0.00	0.00	0.00	15.00	4.38	0.00	3.51	12	80	0.97	0.00%	4.5	0.3	37.51	36.73	46.57	46.70	36.71	35.93	8.69	9.60	9.06	9.96					
14	13	0.00	0.00	0.00	0.00	0.00	15.30	4.34	0.00	3.51	12	47	0.97	0.00%	4.5	0.2	36.73	36.28	46.70	44.96	35.93	35.48	9.60	8.31	9.96	8.68					
17	3	0.46	0.95	0.44	0.44	0.46	15.00	4.38	1.92	2.25	12	75	0.40	0.29%	2.9	0.4	31.60	31.38	35.75	36.60	29.64	29.34	4.94	6.09	4.15	5.22					



LEGEND

●

IRON FOUND

⊗

IRON SET

⊙

NAIL FOUND

⊗

NAIL & CAP SET

⊗

BRASS PLUG SET

⊗

MONUMENT FOUND

⊗

MONUMENT SET

⊗

SEC. CORNER FOUND

⊗

R. RECORDED

⊗

M. MEASURED

⊗

C. CALCULATED

— OH-ELEC—

OH-ELEC

— UG-CATV—

UG-CATV

— UG-PHONE—

UG-PHONE

— UG-ELEC—

UG-ELEC

— GAS MAIN—

GAS MAIN

— WATER MAIN—

WATER MAIN

— SANITARY SEWER—

SANITARY SEWER

— STORM SEWER—

STORM SEWER

— COMBINED SEWER—

COMBINED SEWER

— SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

— POST INDICATOR VALVE

POST INDICATOR VALVE

— WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF

WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF

— MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE

MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE

— UNIDENTIFIED STRUCTURE

UNIDENTIFIED STRUCTURE

— SPOT ELEVATION

SPOT ELEVATION

— CONTOUR LINE

CONTOUR LINE

— FENCE

FENCE

— GUARD RAIL

GUARD RAIL

— STREET LIGHT

STREET LIGHT

— SIGN

SIGN

— CONC.

CONC.

— ASPH.

ASPH.

— GRAVEL

GRAVEL

— GRVEL SHOULDER

GRVEL SHOULDER

— WETLAND

WETLAND

— STD DUTY

STD DUTY

— HEAVY FLOW DUTY ONLY

HEAVY FLOW DUTY ONLY

— STD DUTY MILL AND OVERLAY

STD DUTY MILL AND OVERLAY

STORM WATER MANAGEMENT NARRATIVE:

PROJECT NARRATIVE:

THE EXISTING FULLY DEVELOPED SITE IS 10.46 NET ACRES OF THAT 1.78 ACRES WILL NOT BE PART OF THIS DEVELOPMENT. CURRENTLY 7.21 ACRES OF THE SITE IS CAPTURED IN AN ENCLOSED STORM SYSTEM THAT DRAINS TO THE LINCOLN WAY STORM SYSTEM. THE REMAINING 1.47 ACRES SHEET FLOWS TO THE LINCOLN WAY STORM SYSTEM. ALL OF THIS DRAINAGE FLOWS TO LINCOLN WAY UNRESTRICTED.

OUR DESIGN PROPOSES TO LEAVE THE EXISTING STORM SEWER IN PLACE BUT REDUCE THE AREA CONTRIBUTING TO IT TO 0.51 ACRES. THE REMAINING 2.17 ACRES WILL DRAIN THROUGH A NEW STORM SYSTEM WHICH IS RESTRICTED AND UTILIZES OVERSIZED PIPES TO PROVIDE STORAGE. WE HAVE NOT INCLUDED ANY REQUIRED VOLUME CALCULATIONS FOR DETENTION BASED ON DISCUSSIONS WITH THE CITY ENGINEER DUE TO OUR REDUCTION IN RUNOFF.

OVER ALL CALCULATIONS:

THE INITIAL DESIGN WAS TO SIMPLY LOOK AT A COMPARISON OF THE EXISTING VS PROPOSED 100 YEAR FLOWS FROM THE SITE, SEE EXHIBIT. THIS SHOWS A DECREASE IN FLOW FROM 55.65 CFS TO 43.26 CFS BEFORE THE RESTRICTION IS EVEN CONSIDERED.

THE EXISTING LINCOLN WAY SYSTEM WAS VERIFIED BASED ON OLD PLANS PROVIDED BY THE CITY. AS YOU CAN SEE THE SYSTEM IS CURRENTLY UNDER DESIGNED FOR WHAT IT'S RECEIVING. WHEN WE MODIFY WHERE THE FLOW IS GOING INTO THE SYSTEM AND TAKE INTO ACCOUNT THE RESTRICTED PORTION THERE IS A REDUCTION OF THE FLOW IN THE SYSTEM.

STORM WATER MANAGEMENT	
EXISTING CONDITION (100 YEAR)	
EXISTING STORM SEWER	
GROSS AREA =	7.21 Acres
C =	0.95
INTENSITY =	5.60 in/Hr
Q _{ex} =	38.36 cfs
EXISTING SHEET FLOW	
GROSS AREA =	3.25 Acres
C =	0.95
INTENSITY =	5.60 in/Hr
Q _{ex} =	17.29 cfs
TOTAL Q =	55.65 cfs
PROPOSED CONDITION (100 YEAR)	
EXISTING STORM SEWER	
GROSS AREA =	6.51 Acres
C =	0.89
INTENSITY =	5.60 in/Hr
Q _{ex} =	32.45 cfs
PROPOSED STORM SEWER:	
GROSS AREA =	2.17 Acres
C =	0.89
INTENSITY =	5.60 in/Hr
Q _{ex} =	10.82 cfs
TOTAL Q =	43.26 cfs

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STATE OF OHIO

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74979

REGISTERED PROFESSIONAL ENGINEER

NORTH

0 20 40 80

SCALE: 1" = 40'

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CLIENT

STEIN INVESTMENT GROUP

5607 GLENFIELD DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE

THE SPACE SHOP-MASSILLON

2600 LINCOLN WAY E
MASSILLON, OHIO

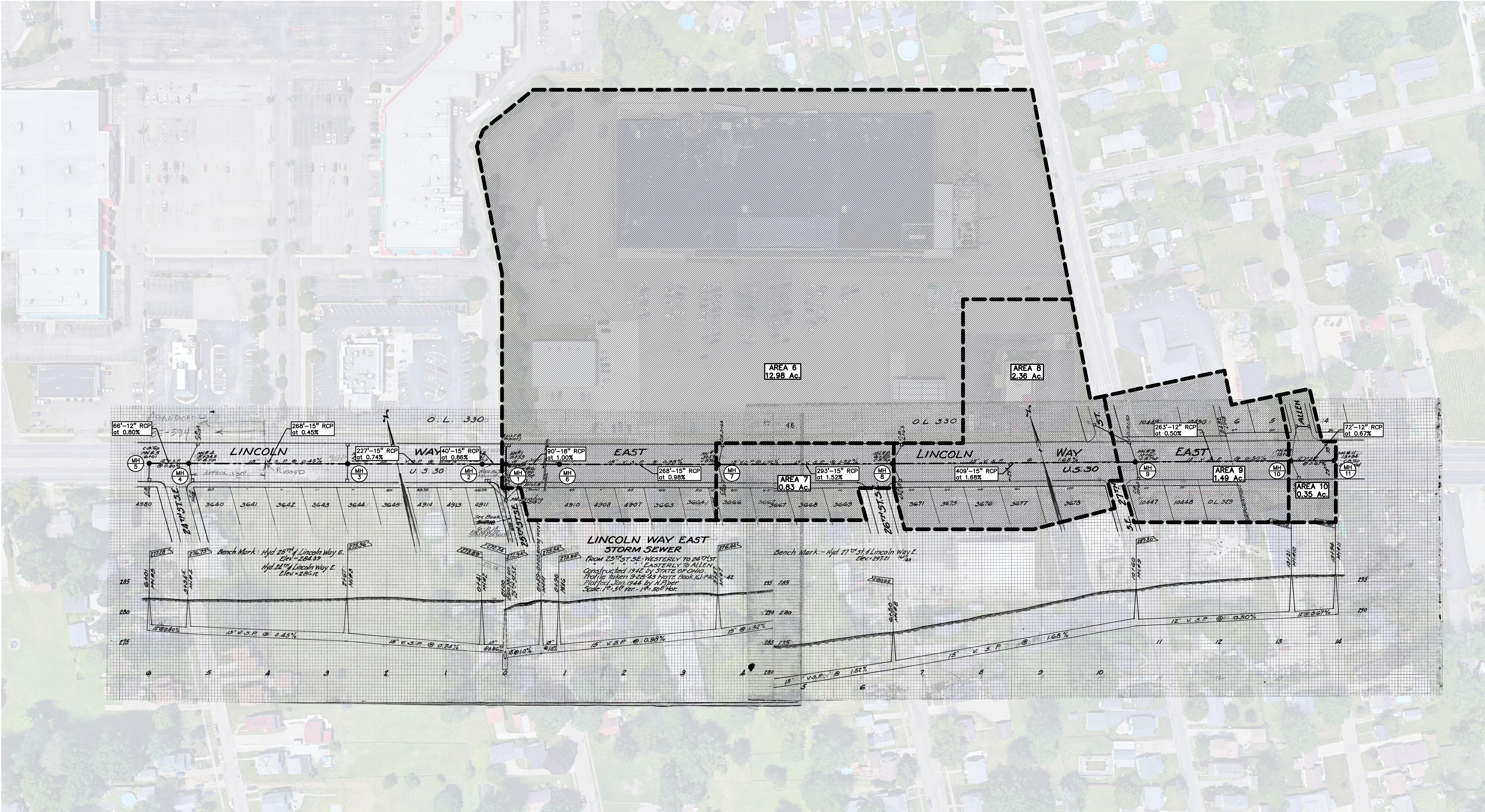
REVISIONS

PER CITY REVIEW	9.9.2021
ISSUED FOR CONSTRUCTION	10.15.2021
PER COUNTY COMMENTS	11.03.2021

ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PEA JOB NO.	2021-0277
P.M.	LA
DN.	JKS
DES.	JDS
DRAWING NUMBER:	C-8.1



S:\PROJECTS\2021-0277 SPACE SHOP MASSILLON ONVIND\SITE PLANS\C-8.2 STORM REPORT-21-0277.dwg

EXISTING STORM SEWER SYSTEM DESIGN																		
FROM STR	TO STR	AREA (A) (Acres)	COEF. C	A x C	TOTAL AREA (Ax C)	TOTAL AREA (Acres)	TIME t (min.)	INT. I (in/hr)	FLOW Q (cfs)	PIPE CAP. (cfs)	PIPE DIA. (in.)	PIPE LENGTH (ft.)	PIPE SLOPE (%)	MIN HG PER "Q"	VEL. FULL (ft./sec)	TIME FLOW (min.)	INVERT ELEV.	
																	UP STREAM	DOWN STREAM
11	10	0.00	0.00	0.00	0.00	0.00	20.00	3.89	0.00	2.92	12	72	0.67	0.00%	3.7	0.3	290.60	290.12
10	9	0.35	0.68	0.24	0.24	0.35	20.30	3.86	0.92	2.52	12	263	0.50	0.07%	3.2	1.4	290.12	288.81
9	8	1.49	0.85	1.27	1.50	1.84	21.70	3.75	5.64	8.37	15	409	1.68	0.76%	6.8	1.0	288.61	281.73
8	7	2.36	0.87	2.06	3.57	4.20	22.70	3.67	13.08	7.96	15	293	1.52	4.11%	6.5	0.8	281.73	277.28
7	6	0.83	0.71	0.59	4.15	5.02	23.50	3.61	14.98	6.39	15	268	0.98	5.38%	5.2	0.9	277.28	274.65
6	1	12.98	0.95	12.33	16.49	18.01	24.40	3.54	58.40	10.50	18	90	1.00	30.93%	5.9	0.3	274.45	273.55
1	EX1	0.00	0.00	0.00	16.49	18.01	24.70	3.52	58.40	10.50	18	61	1.00	30.93%	5.9	0.2	273.55	272.94

PROPOSED STORM SEWER SYSTEM DESIGN																		
FROM STR	TO STR	AREA (A) (Acres)	COEF. C	A x C	TOTAL AREA (Ax C) (Acres)	TOTAL AREA (Acres)	TIME t (min.)	INT. I (in/hr)	FLOW Q (cfs)	PIPE CAP. (cfs)	PIPE DIA. (in.)	PIPE LENGTH (ft.)	PIPE SLOPE (%)	MIN HG PER "Q"	VEL. FULL (ft./sec)	TIME FLOW (min.)	INVERT ELEV.	
																	UP STREAM	DOWN STREAM
11	10	0.00	0.00	0.00	0.00	0.00	20.00	3.89	0.00	2.92	12	72	0.67	0.00%	3.7	0.3	290.60	290.12
10	9	0.35	0.68	0.24	0.24	0.35	20.30	3.86	0.92	2.52	12	263	0.50	0.07%	3.2	1.4	290.12	288.81
9	8	1.49	0.85	1.27	1.50	1.84	21.70	3.75	5.64	8.37	15	409	1.68	0.76%	6.8	1.0	288.61	281.73
8	7	2.36	0.87	2.06	3.57	4.20	22.70	3.67	13.08	9.96	15	293	1.52	4.11%	6.5	0.8	281.73	277.28
7	6	3.00	0.89	2.67	6.24	7.20	23.50	3.61	22.50	6.39	15	268	0.98	12.14%	5.2	0.9	277.28	274.65
6	1	10.81	0.89	9.62	15.86	18.01	24.40	3.54	56.17	10.50	18	90	1.00	28.62%	5.9	0.3	274.45	273.55
1	EX1	0.00	0.00	0.00	15.86	18.01	24.70	3.52	56.17	10.50	18	61	1.00	28.62%	5.9	0.2	273.55	272.94



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5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE
THE SPACE SHOP-MASSILLON
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MASSILLON, STARK COUNTY, OHIO

REVISONS		
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PER COUNTY COMMENTS	11.03.2021	

ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE
STORM REPORT

PEA JOB NO. 2021-0277
P.M. LA
DN. JKS
DES. JDS
DRAWING NUMBER:

C-8.2

THE FOLLOWING NOTES PROVIDE AN OUTLINE OF SOME OF THE REQUIREMENTS CONTAINED WITHIN THE "STANDARDS FOR ACCESSIBLE DESIGN - AMERICANS WITH DISABILITIES ACT 2010", AND "ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES", ICC/ANSI A117.1-2009. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE REQUIREMENTS PRESENTED WITHIN THESE DOCUMENTS, WHICH ARE AVAILABLE IN FULL UPON REQUEST.

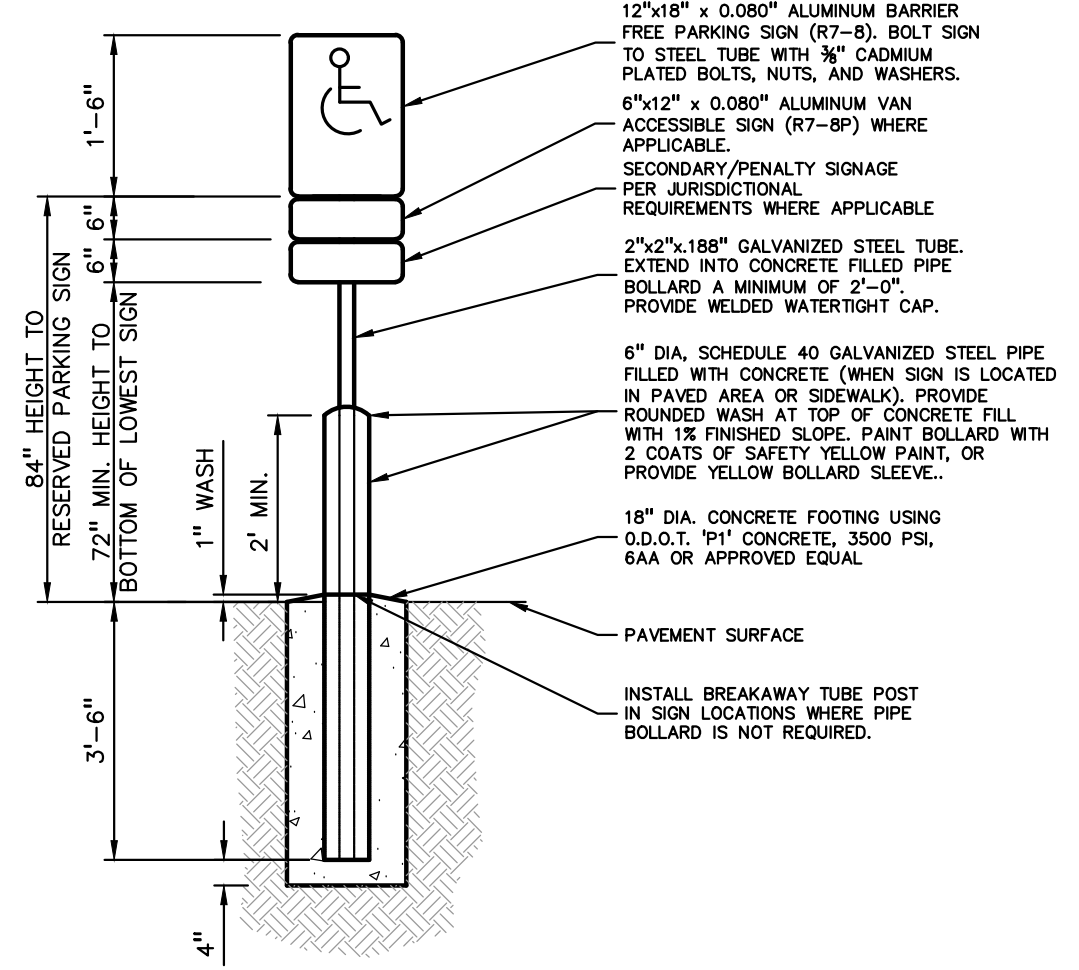
-
- 2.5" O.D. LINE POST
- 3.0" O.D. CORNER POST
- POST TOP
- 1 5/8" O.D. TOP RAIL
- CHAINLINK FENCE TO INCLUDE BLACK VINYL COATING
- INSTALL BLACK PRIVACY SLATS THROUGHOUT CHAINLINK FENCE. USE EZ FENCE SLATS. SLATSOURCE BY PRIVACYLINK OR APPROVED EQUAL. (REFER TO PLAN FOR SLATTED FENCE LOCATION).
- 2" #9 GAUGE GALVANIZED FABRIC
- 1 5/8" O.D. BOTTOM RAIL
- GROUND LINE
- CONCRETE FOOTING (3000 PSI)
- PROVIDE HEAVY DUTY STEEL FABRIC TIES AT ALL POSTS, TOP.
- NOTE: FENCE POST TO BE SCHEDULE 40 PIPE WEIGHT.
- WHEN NOT ADDRESSED IN THE GEOTECHNICAL INVESTIGATION OR THE ARCHITECTURAL PLAN PLACE ON NATURAL SOILS OF AT LEAST 1500 PSF NET ALLOWABLE BEARING CAPACITY OR DOCUMENTED ENGINEERED FILL
- 6'-0"
- 12"
- 42" MIN.

NOT TO SCALE

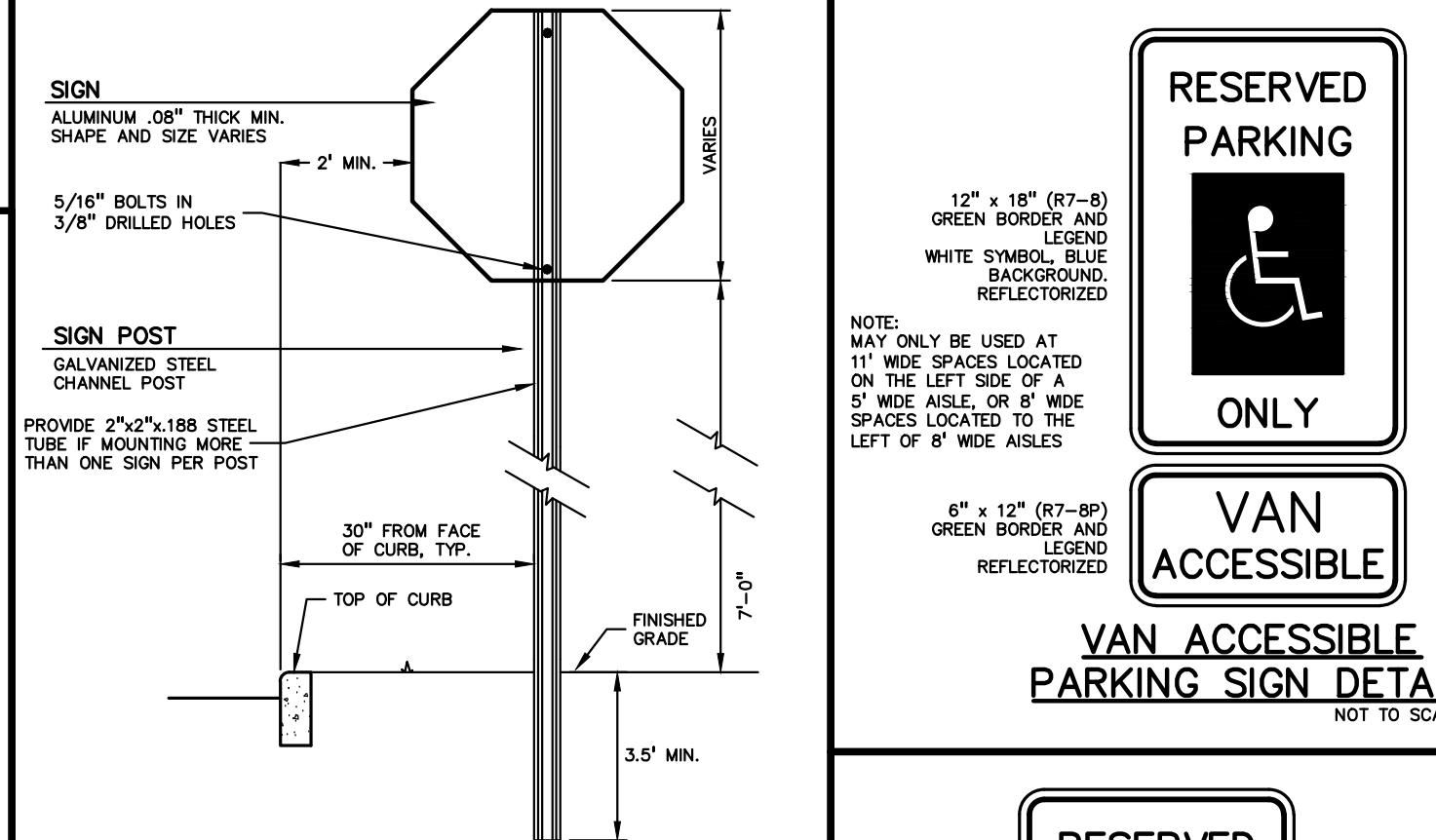
-
- The diagram illustrates a standard accessible parking space with the following dimensions and features:
- Overall Dimensions:**
 - Width: 2'-9"
 - Length: 3'
 - Internal Dimensions:**
 - Clearance from side curb: 1.5"
 - Clearance from front curb: 1.5"
 - Clearance from rear curb: 1.5"
 - Clearance from side curb (to symbol): 2' MIN.
 - Clearance from front curb (to symbol): 2'-4" MIN.
 - Clearance from rear curb (to symbol): 2'-9"
 - Symbol and Markings:**
 - A white wheelchair symbol is centered in the space.
 - A 4" wide blue parking stripe is located to the right of the space.
 - A 3" (MIN.) wide white border is located to the left of the space.
 - A white symbol of accessibility with a blue background is located to the right of the space.
 - Location:**
 - The space is located adjacent to a drive lane.

NOT TO SCALE

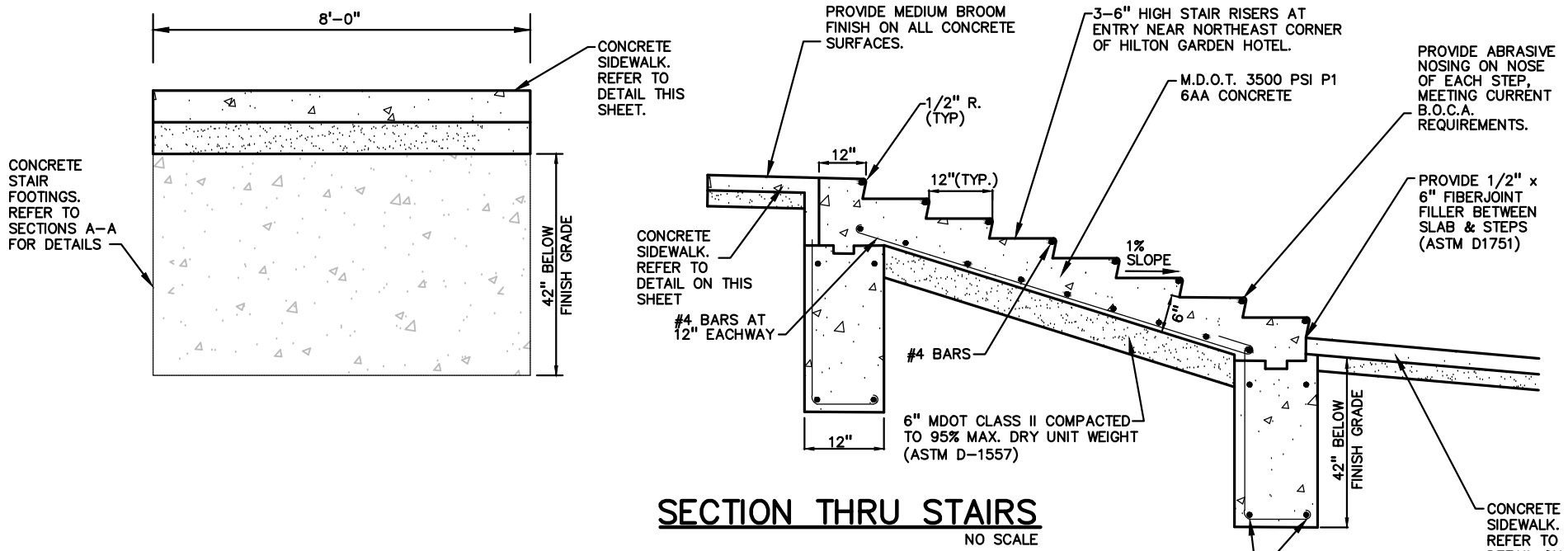
1. ONE SIGN IS REQUIRED AT EACH BARRIER FREE PARKING SPACE.
2. ALL SIGNS SHALL COMPLY WITH THE LATEST STANDARDS OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. ONE BARRIER FREE PARKING SPACE SHALL BE ADJACENT AND FACING EACH OF THE OTHER TWO SIGNS ARE REQUIRED, BUT CAN BE MOUNTED ON THE SAME POST.
4. SIGN POSTS SHALL BE 2" NOM. SQUARE 14-GAUGE GALVANIZED STEEL TUBE WITH AN OUTSIDE DIAMETER OF 11" CENTERS. POSTS SHALL TELESCOPE INSIDE ANCHOR POSTS A MINIMUM OF 12".
5. ANCHOR POSTS SHALL BE 2.25" NOM. SQUARE 12-GAUGE GALVANIZED STEEL POST.
6. IF THESE NOTES AND DETAILS CONFLICT WITH LOCAL CODES AND ORDINANCES, THE STRICTER REQUIREMENT SHOULD BE USED.
7. ALTERNATE MATERIALS MAY BE USED IF IN COMPLIANCE WITH A.D.A. GUIDELINES AND LOCAL REQUIREMENTS.



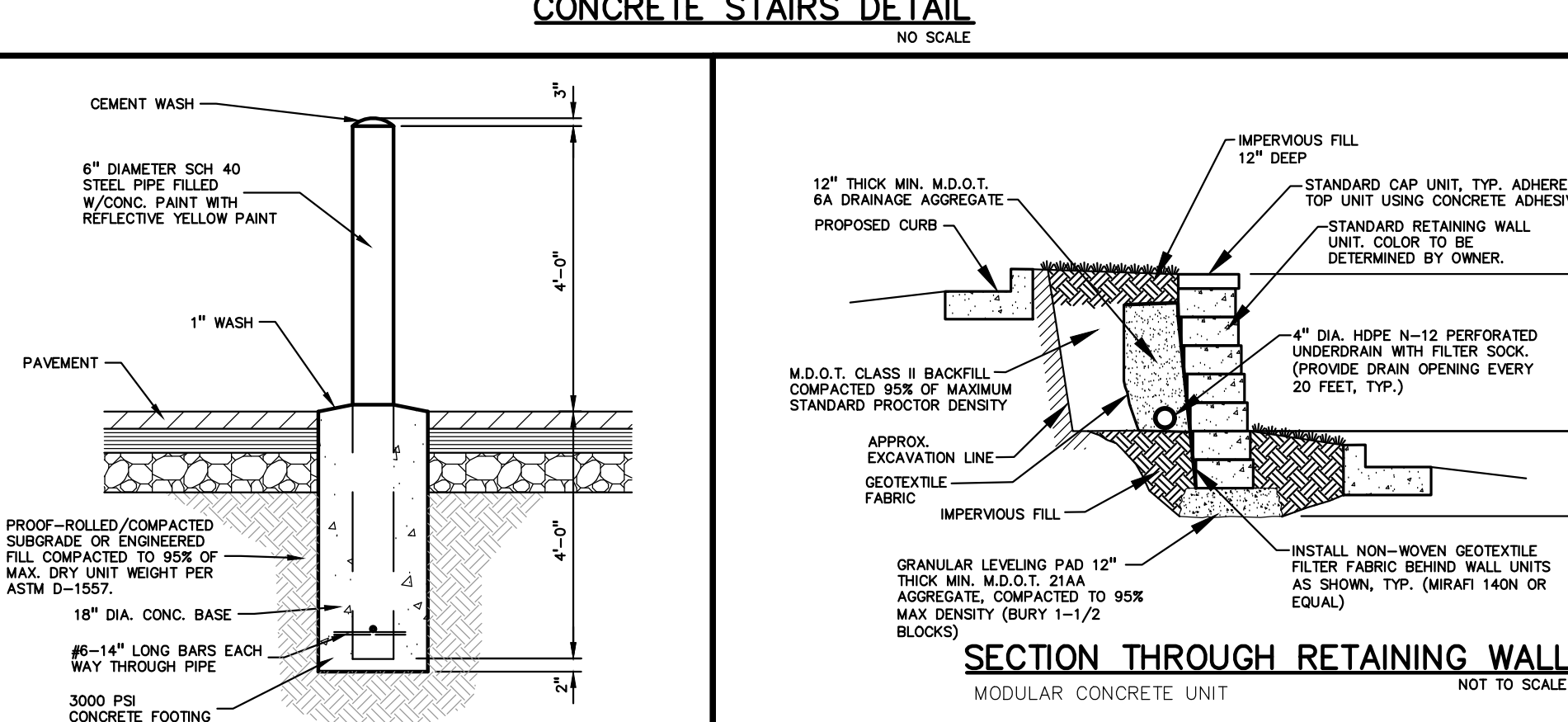
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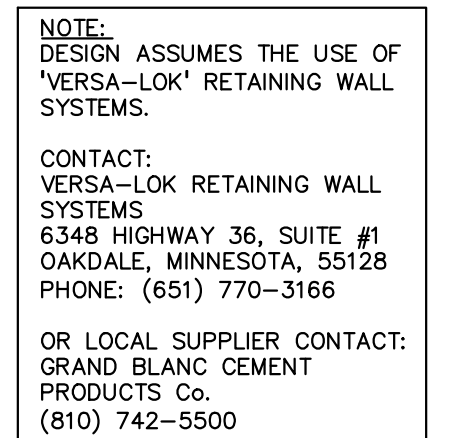
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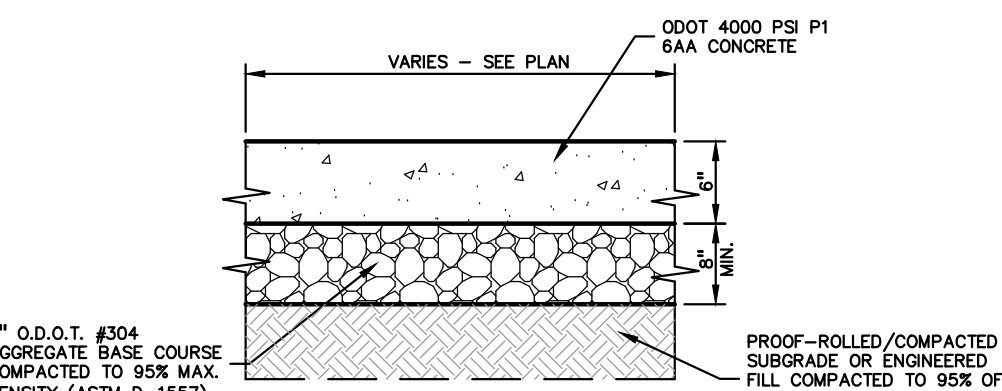


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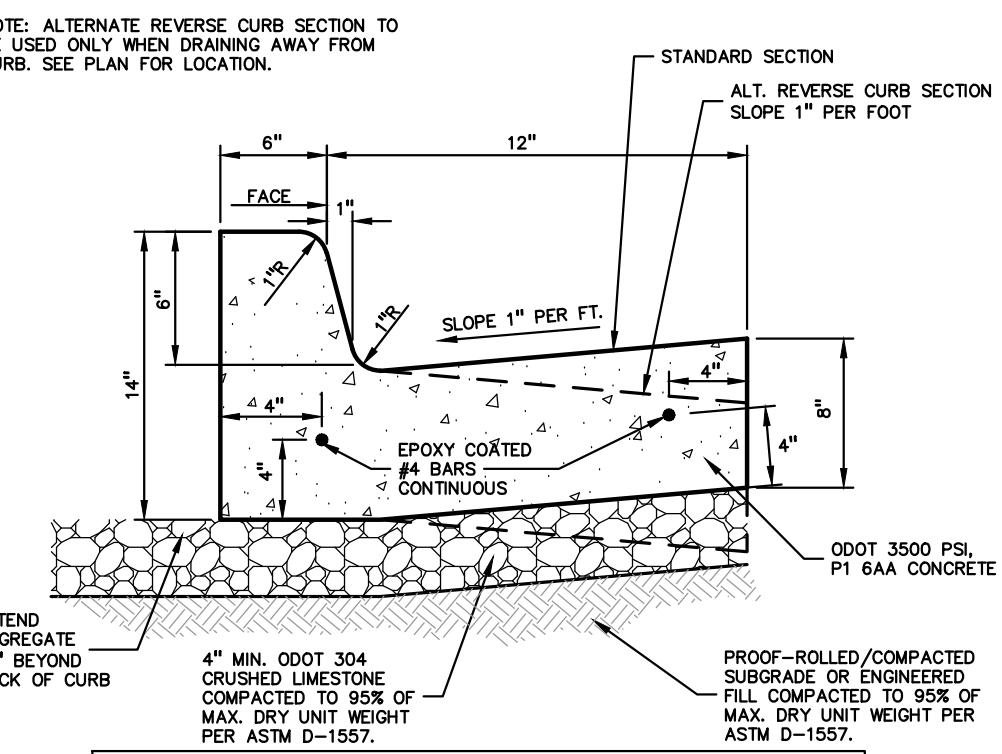


MODULAR CONCRETE UNIT NOT TO SCALE

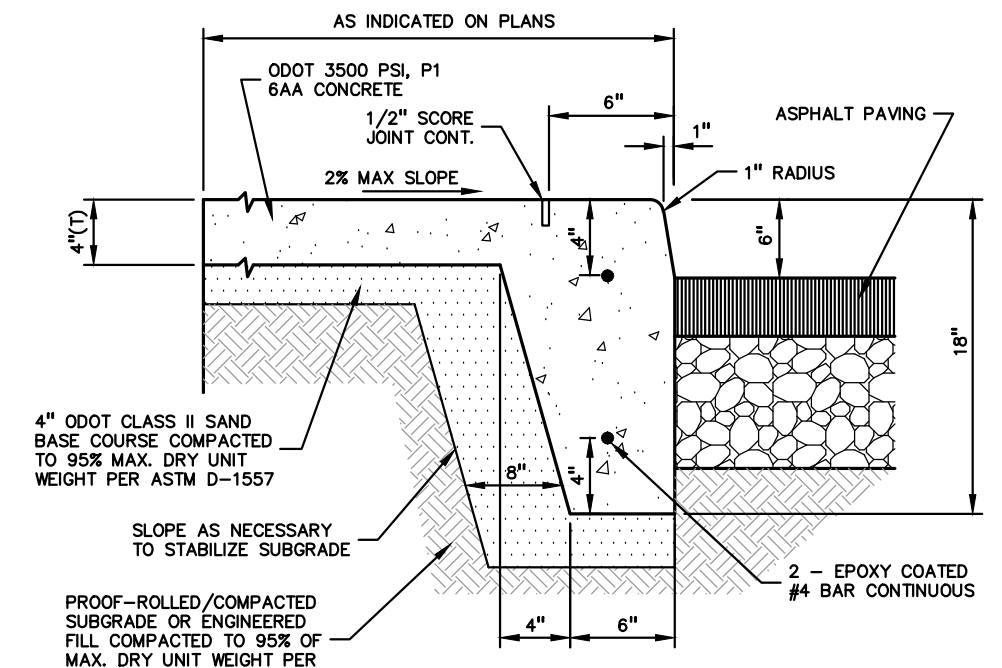




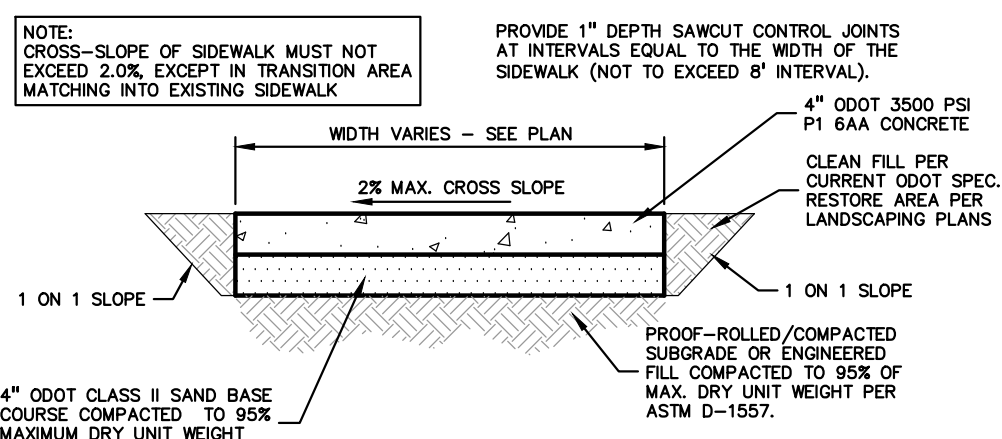
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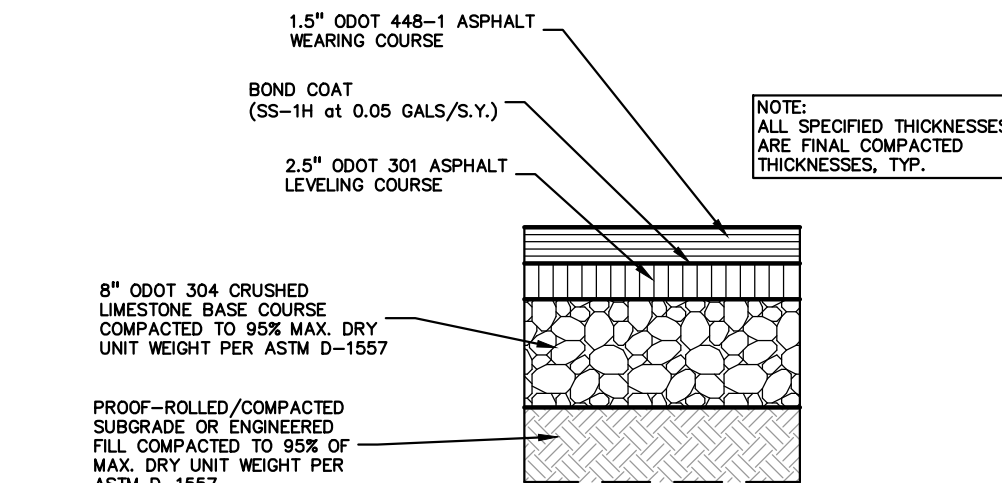
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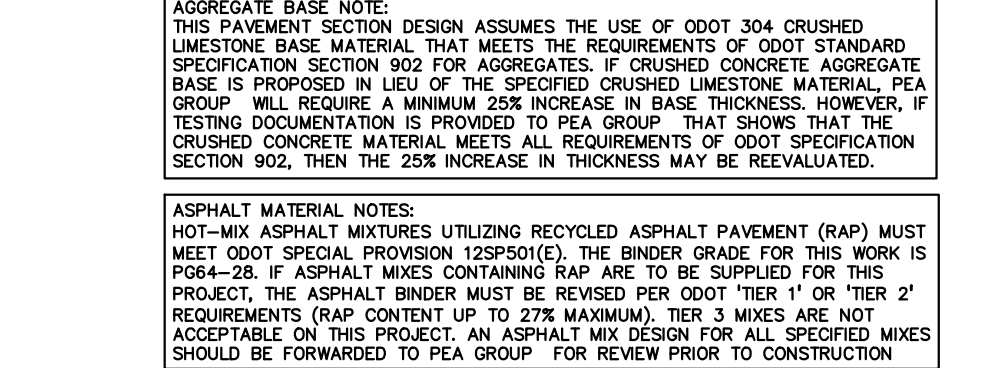
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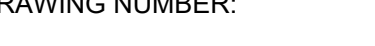
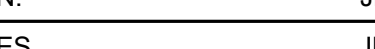
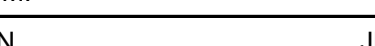
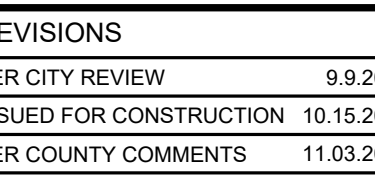
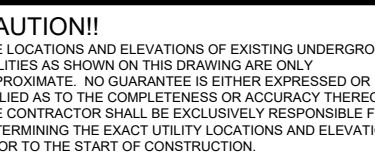
NOT TO SCALE

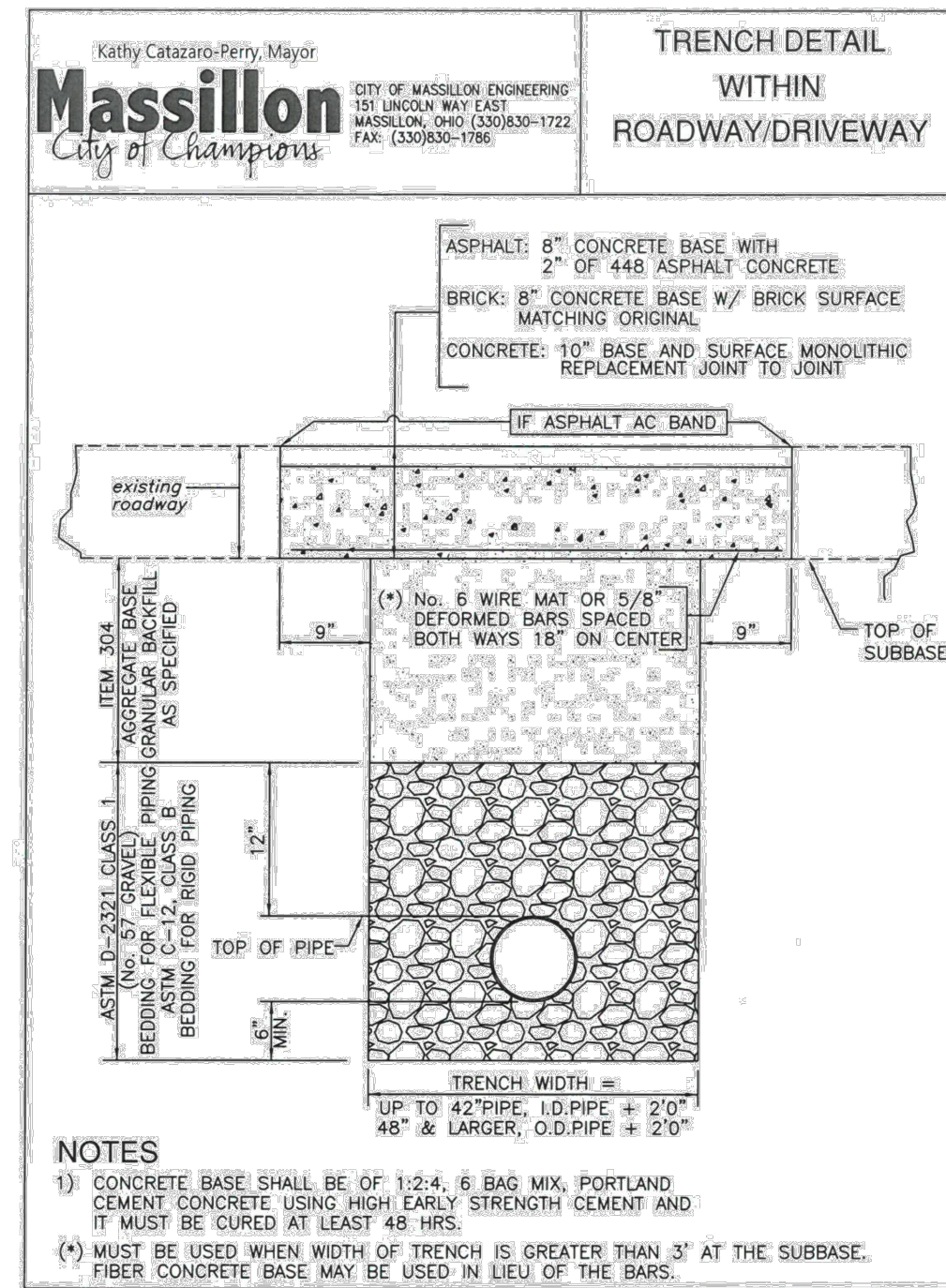
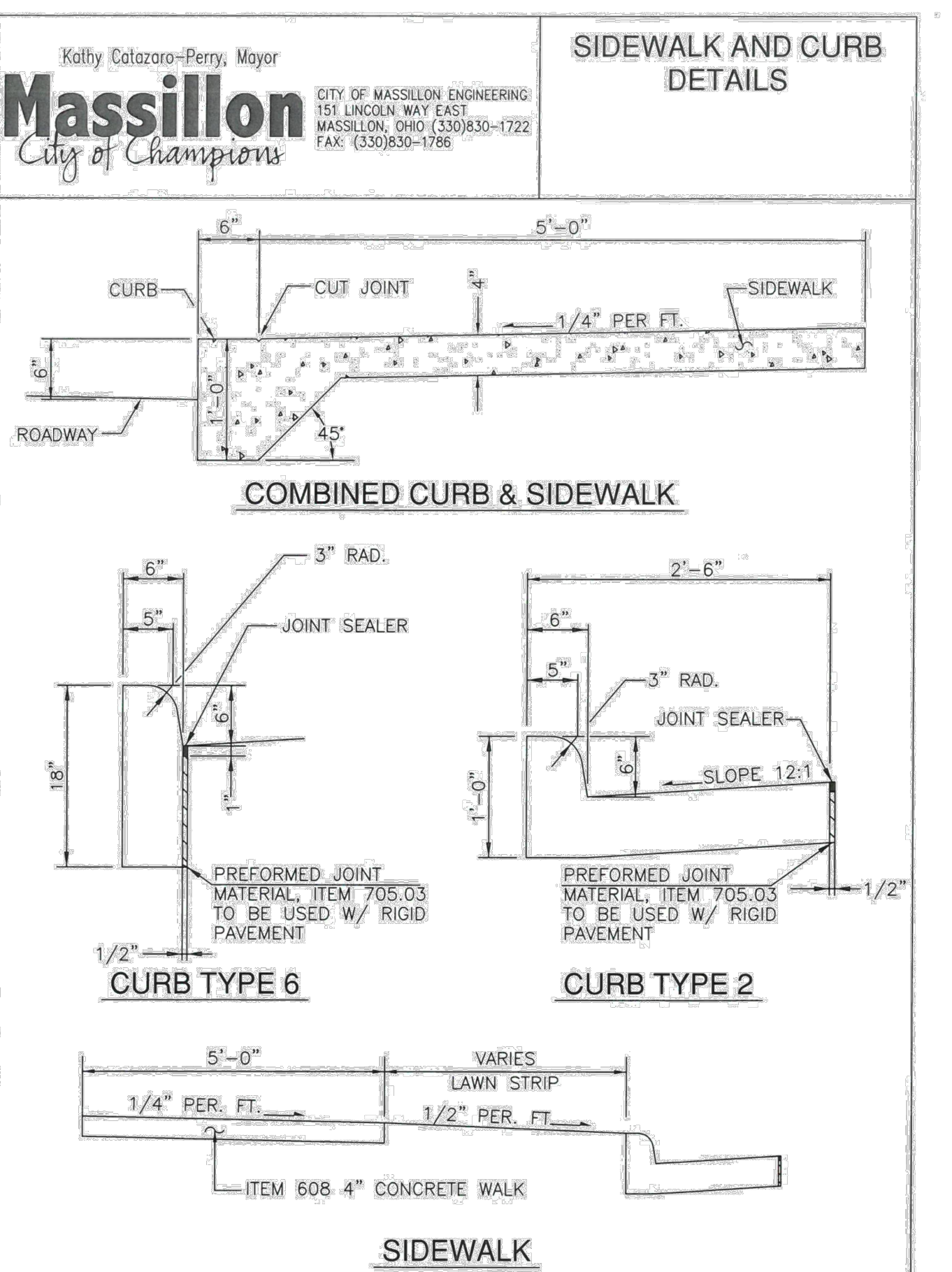
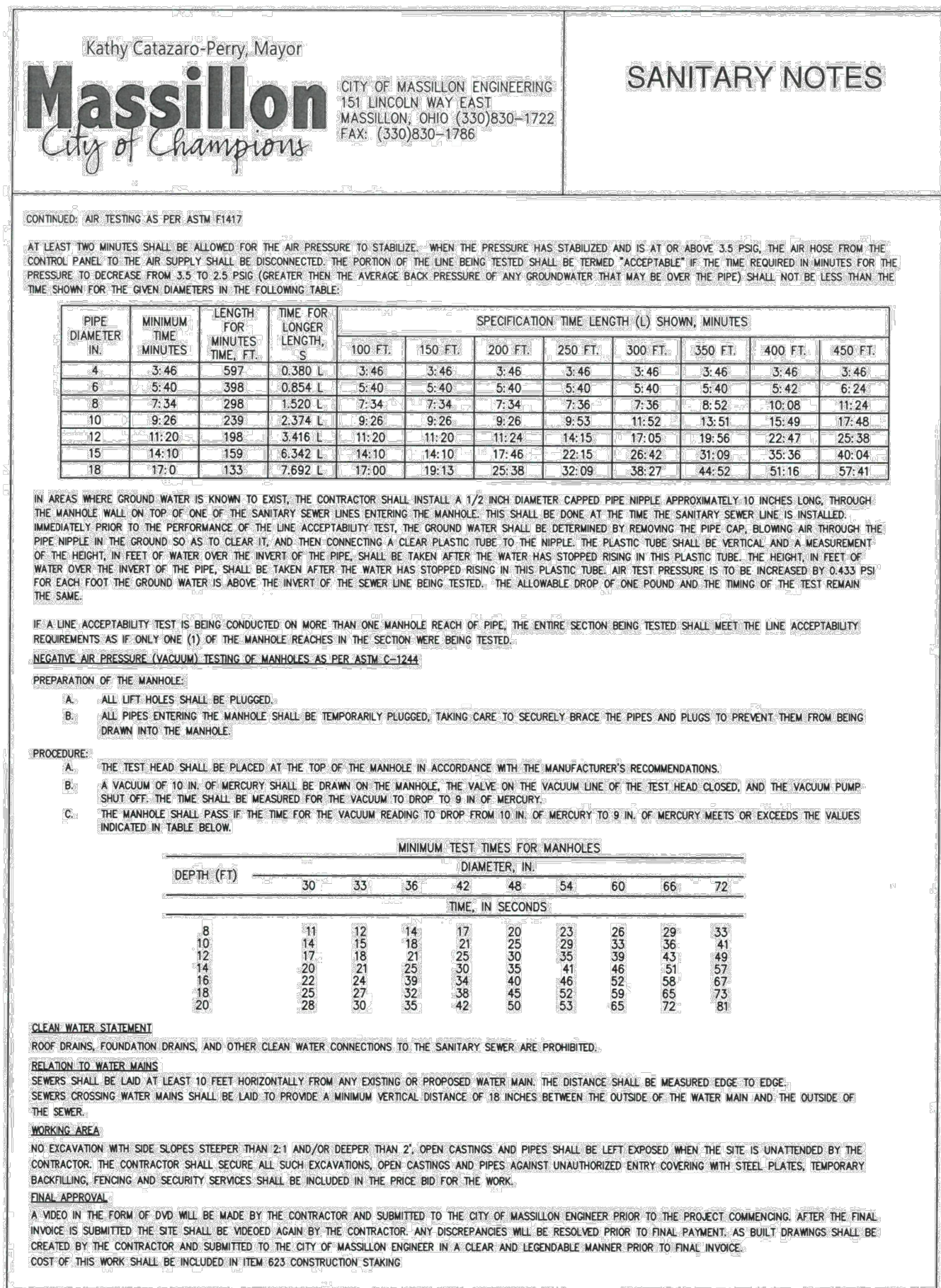
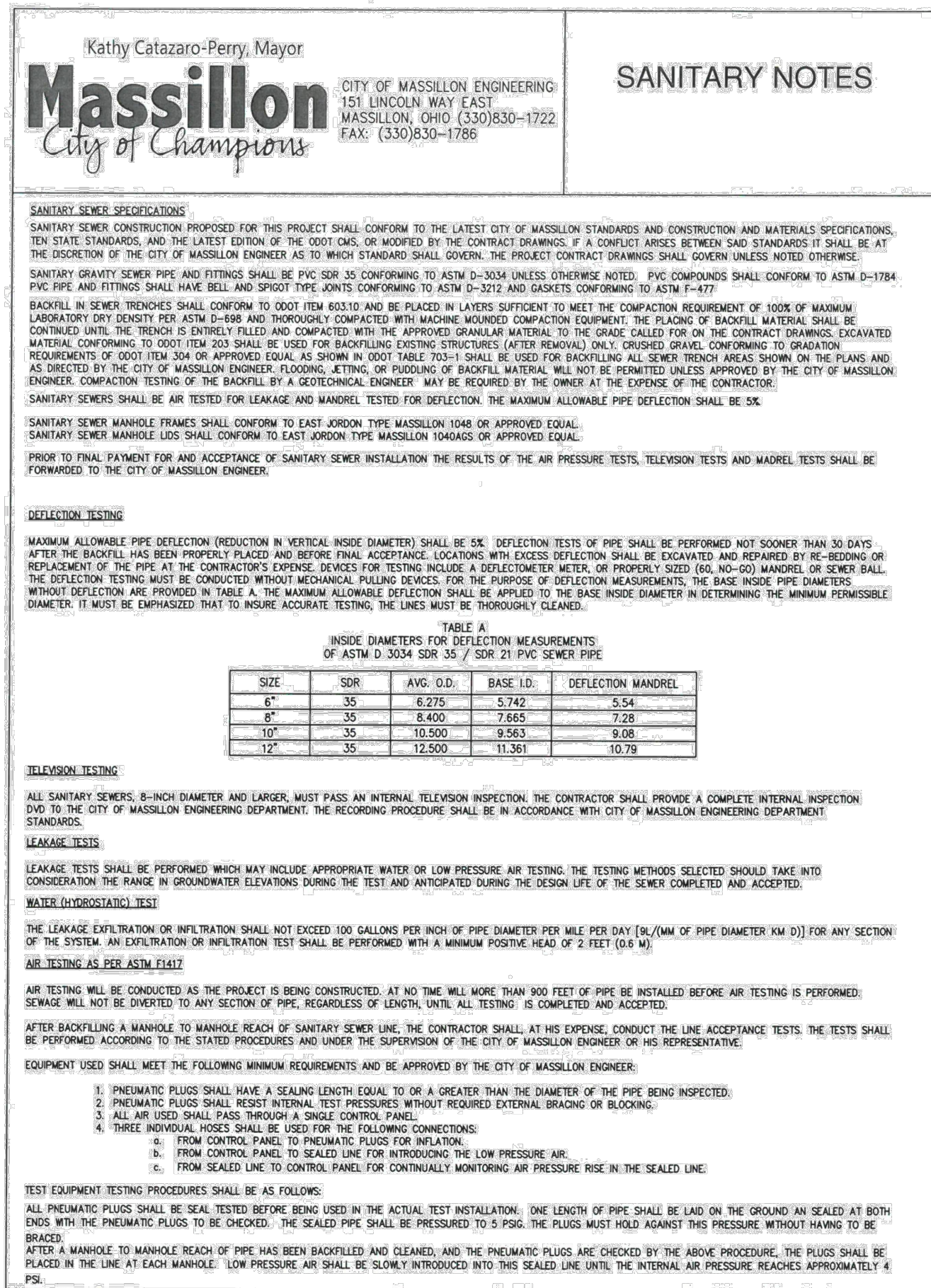


(NOT FOR USE IN THE RIGHT-OF-WAY) NOT TO SCALE



MEET ODOT SPECIFICATION 12SP501(6). THE BINDER GRADE FOR THIS WORK IS PG64-28. IF ASPHALT MIXES CONTAINING RAP ARE TO BE SUPPLIED FOR THIS PROJECT, THE ASPHALT BINDER MUST BE REVISED PER ODOT 'TIER 1' OR 'TIER 2' REQUIREMENTS (RAP CONTENT UP TO 27% MAXIMUM). TIER 3 MIXES ARE NOT ACCEPTABLE ON THIS PROJECT. AN ASPHALT MIX DESIGN FOR ALL SPECIFIED MIXES SHOULD BE FORWARDED TO PEA GROUP FOR REVIEW PRIOR TO CONSTRUCTION.





S:\PROJECTS\2021\0271-0277 SPACE SHOP MASSILLON ON\MSD\SITE PLANS\L-1.0 LANDSCAPE-21-0277.DWG

DECIDUOUS TREE PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
3	AR2.5	Red Maple	<i>Acer rubrum</i>	2.5" Cal.	B&B
1	CC8	Eastern Redbud	<i>Cercis canadensis</i>	8" Ht.	B&B
3	GT2.5	Skyline Honeylocust	<i>Gleditsia triacanthos f. inermis 'Skycole'</i>	2.5" Cal.	B&B
1	UF2.5	Frontier Elm	<i>Ulmus 'Frontier'</i>	2.5" Cal.	B&B
8	TOTAL DEC.				
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
1	AC8	Concolor Fir	<i>Abies concolor</i>	8" Ht.	B&B
6	PA8	Norway Spruce	<i>Picea abies</i>	8" Ht.	B&B
7	TOTAL EVG.				

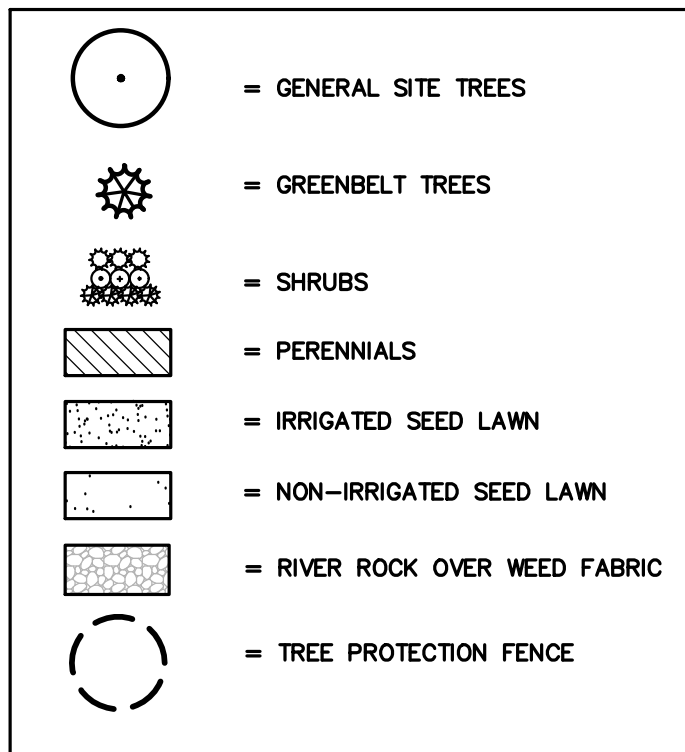
SHRUB PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
22	EA30	Compact Burning Bush	<i>Euonymus alatus 'Compactus'</i>	30" Ht.	Cont.
5	HLQ30	Quick Fire Hydrangea	<i>Hydrangea paniculata 'Little Quick Fire'</i>	30" Ht.	Cont.
10	HQ30	Quick Fire Hydrangea	<i>Hydrangea paniculata 'Quick Fire'</i>	30" Ht.	Cont.
14	JH6	Hetz Columnar Juniper	<i>Juniperus chinensis 'Hetzil Columnaris'</i>	6" Ht.	B&B
40	RA24	Gro Low Sumac	<i>Rhus aromatica 'Gro-Low'</i>	24" Ht.	Cont.
11	SA24	Anthony Waterer Spirea	<i>Spiraea x bum. 'Anthony Waterer'</i>	24" Ht.	Cont.
8	TM24	Dense Yew	<i>Taxus x media 'Densiformis'</i>	24" Ht.	Cont.
3	VC36	Korean Spice Viburnum	<i>Viburnum carlesii 'Compacta'</i>	36" Ht.	Cont.
113	TOTAL SHRUB				
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
53	CA	Feather Reed Grass	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	1 Gal.	Cont.
16	NF	Six Hills Giant Catmint	<i>Nepeta x faassenii 'Six Hills Giant'</i>	1 Gal.	Cont.
31	PV	Shenandoah Switch Grass	<i>Panicum virgatum 'Shenandoah'</i>	1 Gal.	Cont.
34	SN	Blue Hill Salvia	<i>Salvia nemorosa 'Blue Hill'</i>	1 Gal.	Cont.
134	TOTAL PER.				

PERENNIAL PLANT LIST:

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
53	CA	Feather Reed Grass	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	1 Gal.	Cont.
16	NF	Six Hills Giant Catmint	<i>Nepeta x faassenii 'Six Hills Giant'</i>	1 Gal.	Cont.
31	PV	Shenandoah Switch Grass	<i>Panicum virgatum 'Shenandoah'</i>	1 Gal.	Cont.
34	SN	Blue Hill Salvia	<i>Salvia nemorosa 'Blue Hill'</i>	1 Gal.	Cont.
134	TOTAL PER.				

KEY:



LANDSCAPE CALCULATIONS:

PER CITY OF MASSILLON ZONING ORDINANCE
ZONE: MAS_B3 GENERAL BUSINESS DISTRICT

GREENBELT

REQUIRED: 8' HT. LANDSCAPING BETWEEN OUTDOOR STORAGE AND ABUTTING ZONES
PROVIDED: 7, 8' HT. EVG. TREES

PARKING ISLAND STORMWATER MANAGEMENT

PROVIDED: 3 DECIDUOUS TREES + 24 LOW SHRUBS AT EAST PARKING AREA

GENERAL SITE LANDSCAPING

REQUIRED: GENERAL LANDSCAPING PER CITY SITE PLAN REVIEW REQUIREMENT
PROVIDED: MINIMAL FOUNDATION PLANTINGS + LANDSCAPING AT PROPOSED RESTAURANT

NOTE:

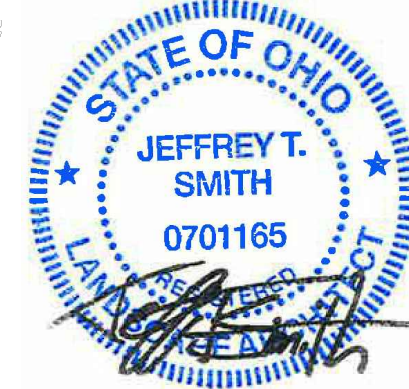
ALL LANDSCAPED AREAS SHALL BE IRRIGATED WITH AN UNDERGROUND IRRIGATION SYSTEM UNLESS OTHERWISE NOTED

GENERAL PLANTING NOTES:

- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN. QUANTITIES, CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
- ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO. 1, GRADE.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
- ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
- ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.
- ALL MULTI STEM TREES SHALL BE HEAVILY BRANCHED AND HAVE SYMMETRICAL CROWNS. ONE SIDED TREES OR THOSE WITH THIN OR OPEN CROWNS SHALL NOT BE ACCEPTED.
- ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
- ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.
- NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES; HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
- ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE PLANT MATERIAL.
- IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
- ALL PLANTING BEDS SHALL RECEIVE 3" SHREDDED HARDWOOD BARK MULCH WITH PRE EMERGENT, SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
- ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOPSOIL.
- SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
- FOR NON-LAWN SEED MIX AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE SEASONALLY FOR INVASIVE SPECIES CONTROL.
- CONTRACTOR SHALL NOT INSTALL PLANTS UNDER BUILDING OVERHANG AND SHALL NOTIFY LANDSCAPE ARCHITECT IF DRAWINGS CONFLICT WITH BUILDING OVERHANGS.

PEA
GROUP

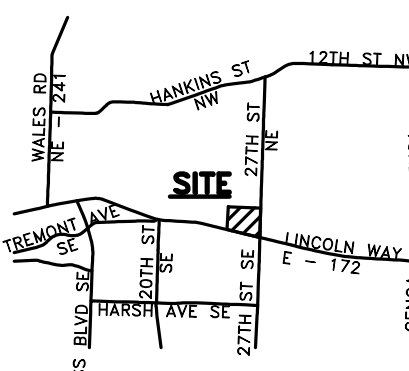
t: 844.813.2949
www.peagroup.com



0 20 40 80
SCALE: 1" = 40'



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT

STEIN INVESTMENT
GROUP
5607 GLENRIDGE DRIVE, SUITE 200
ATLANTA, GA 30342

PROJECT TITLE

THE SPACE
SHOP-MASSILLON
2600 LINCOLN WAY E.
MASSILLON, STARK COUNTY, OHIO

REVISIONS

FOR OWNER REVIEW 8.20.2021

ORIGINAL ISSUE DATE:
JULY 21, 2021

DRAWING TITLE

PRELIMINARY
LANDSCAPE
PLAN

PEA JOB NO. 2021-0277

P.M. LA

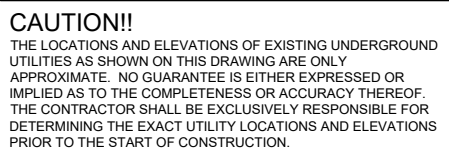
DN. CLR

DES. JTS

DRAWING NUMBER:

L-1.0

NOT FOR CONSTRUCTION

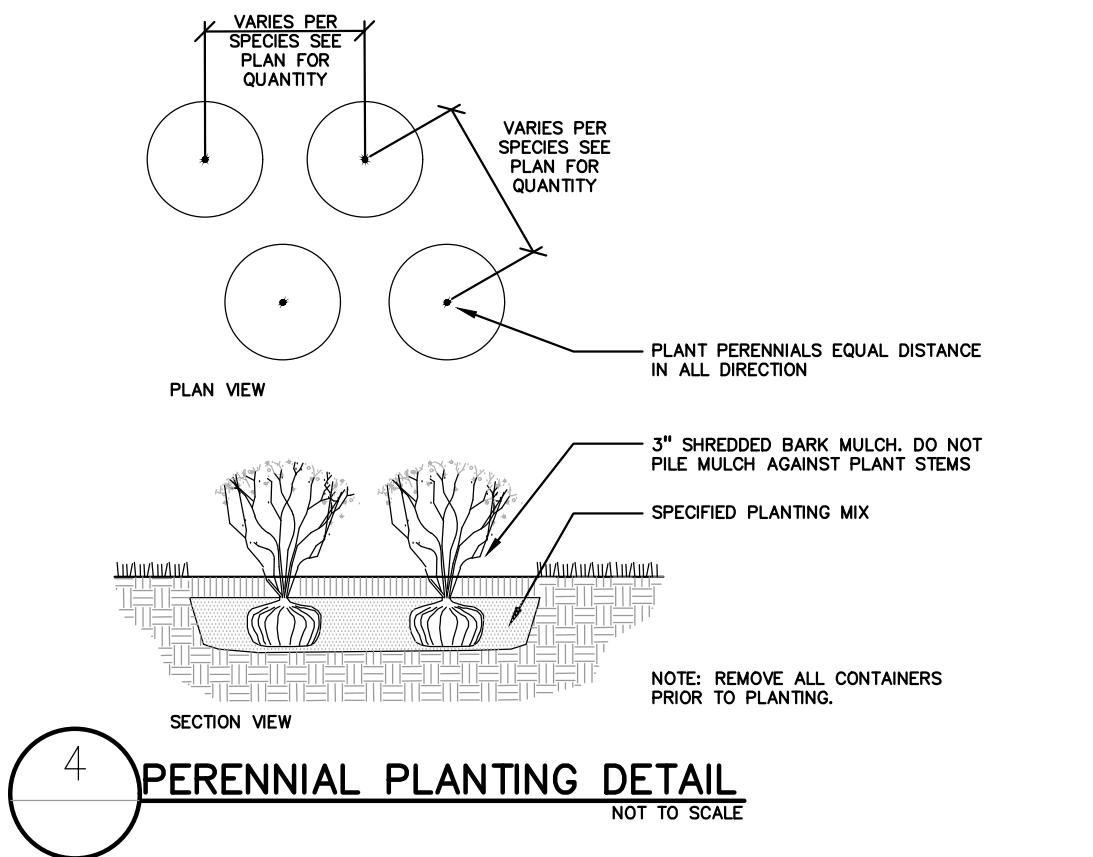
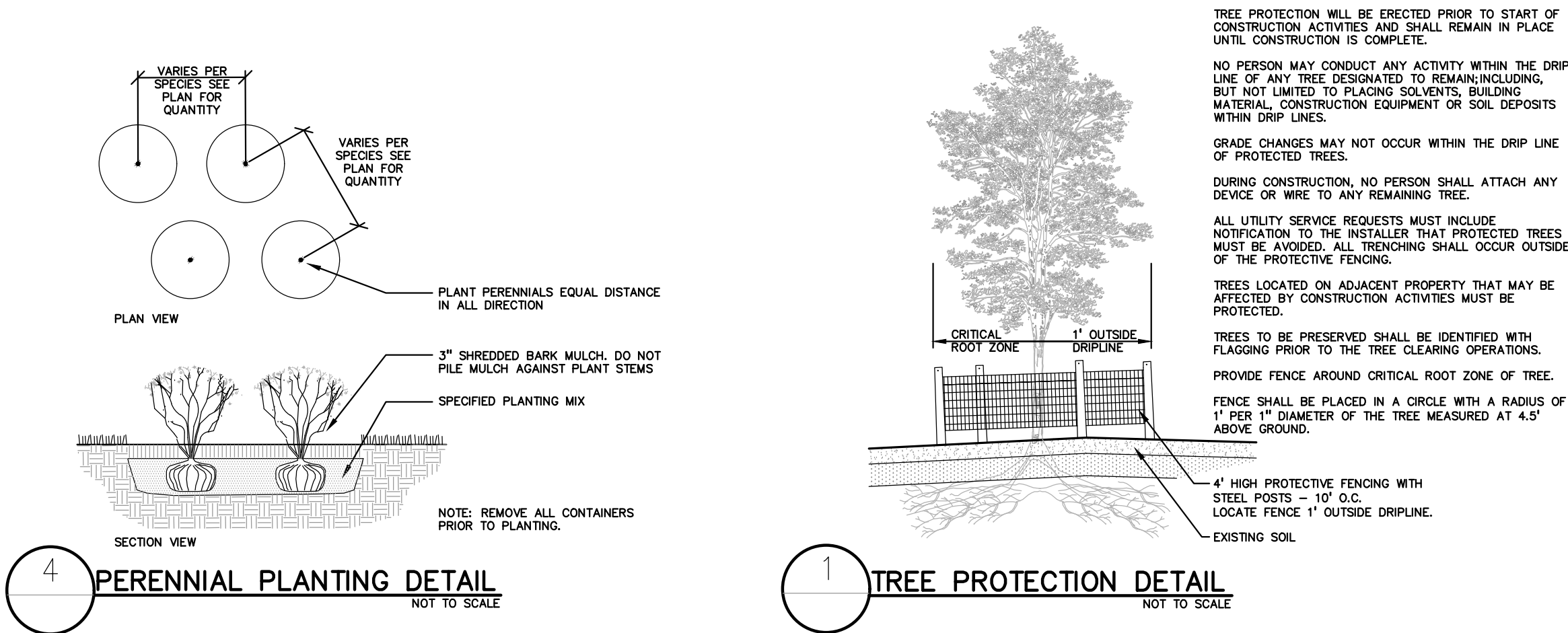


REVISIONS

-FOR OWNER REVIEW 8.20.2021 -

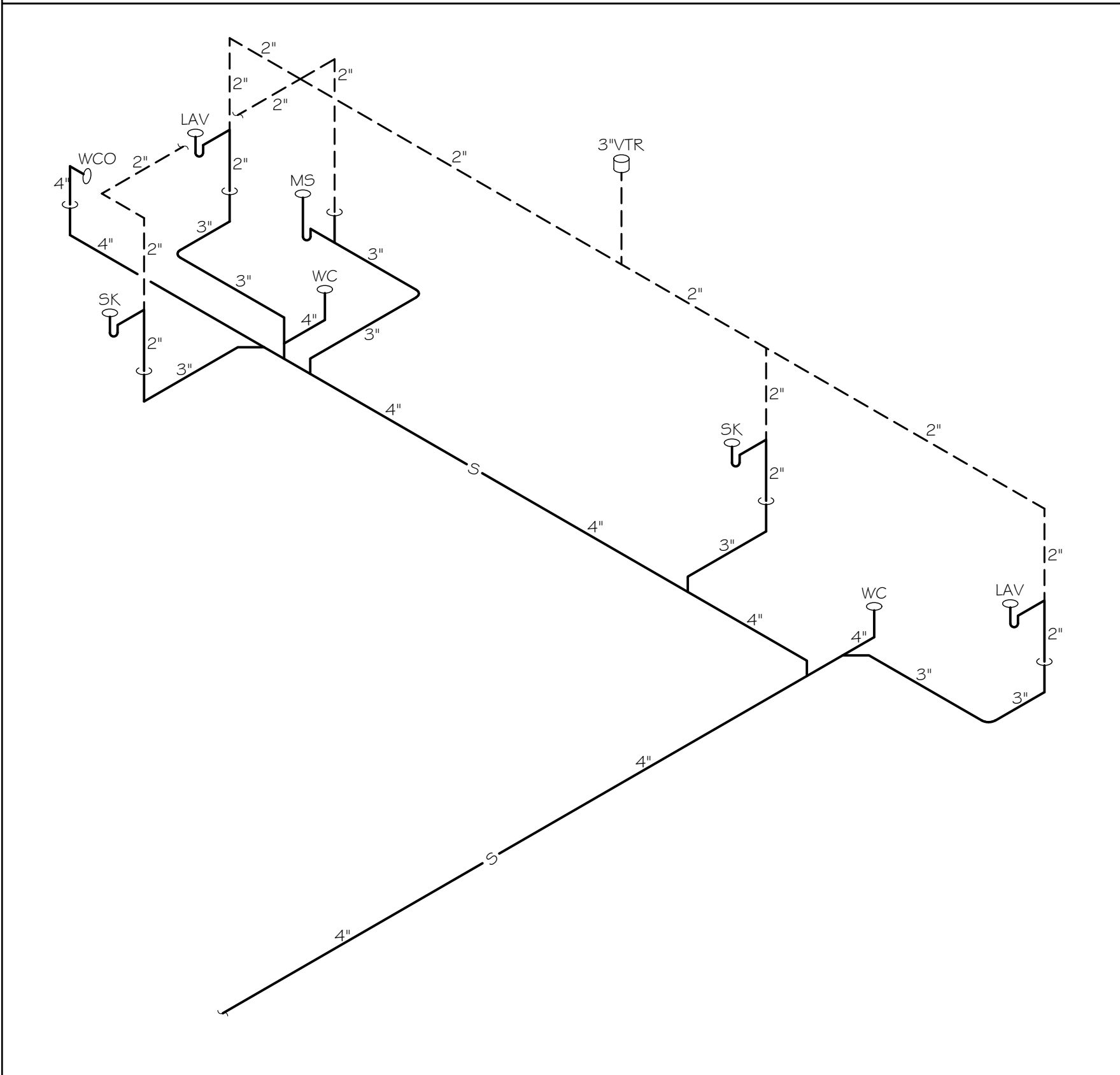
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P.M.	LA
DN.	CLR
DES.	JTS
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L-1.1



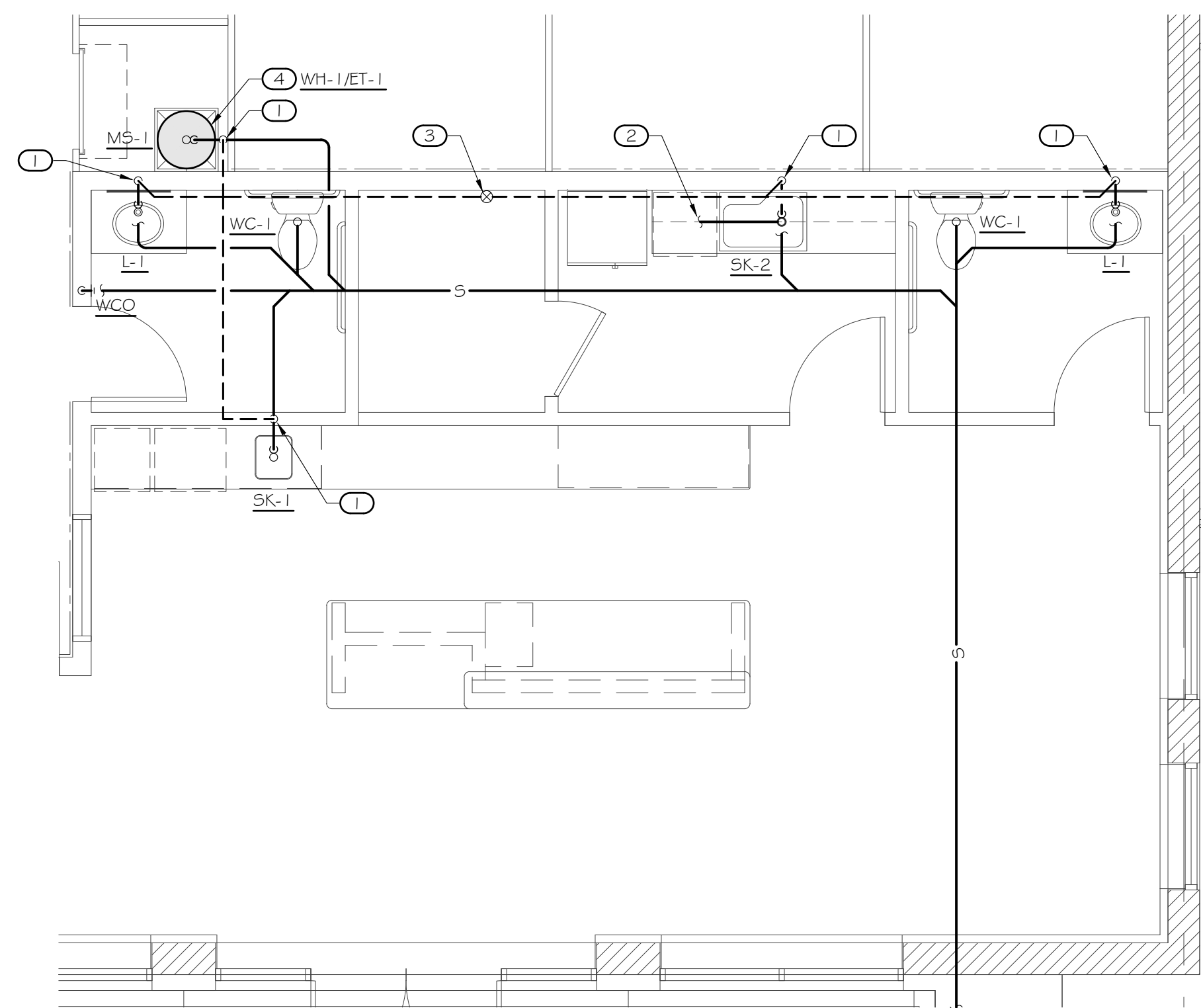
WASTE/VENT ISOMETRIC

NO SCALE

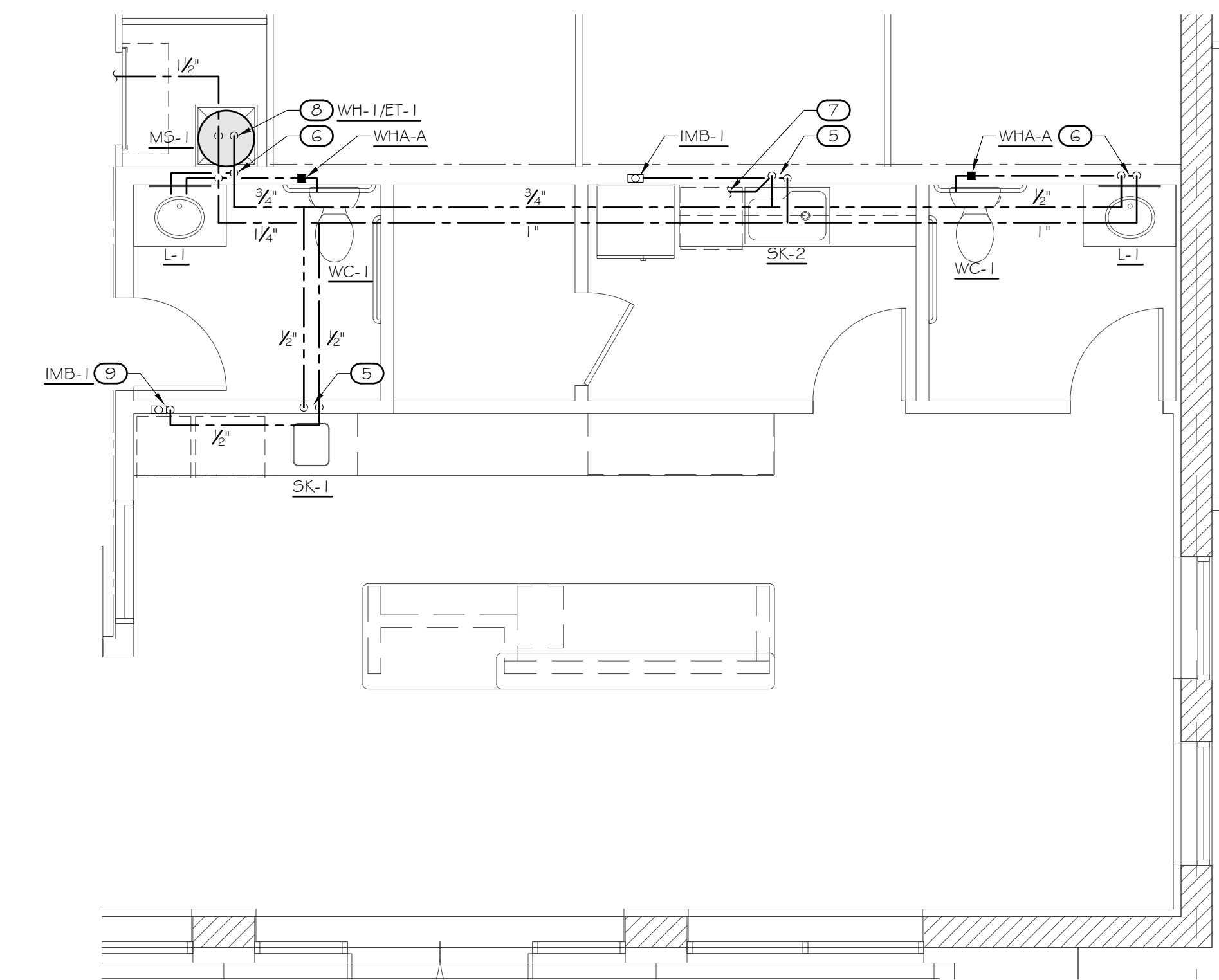


KEYNOTES

- 1 2" V DN
- 2 CONNECT DISHWASHER HOSE TO SINK P-TRAP (OR DISPOSER, AS APPLICABLE) WITH AIR BREAK, SEE DETAIL
- 3 3" V UP TO 3" VTR
- 4 DISCHARGE WATER HEATER PAN DRAIN TO MOP SINK WITH AIR GAP
- 5 1/2" CW #1/2" HW DN
- 6 1" CW #1/2" HW DN
- 7 1/2" VALVED HW TO DW CONNECTION W/WATER HAMMER ARRESTOR (SIOUX CHIEF "MINI-RESTER," SERIES G60, SIZE "AA")
- 8 1" CW #1" HW TO SHELF MOUNTED WATER HEATER, SEE DETAIL.
- 9 1/2" CW DN TO ICE MAKER BOX FOR COFFEE MAKER, FIELD VERIFY EXACT LOCATION PRIOR TO COMMENCING WORK.



1 ENLARGED FLOOR PLAN - WASTE & VENT
SCALE: 1/4" = 1'-0"



2 ENLARGED FLOOR PLAN - WATER
SCALE: 1/4" = 1'-0"

KEVIN J. MAHER AIA
PROFICIENT
ENGINEERING
6891 Peachtree Industrial Blvd Building 700
Peachtree Corners, Georgia 30092
404.333.9798
PROJECT # 121425

REV #	DATE	DESCRIPTION

SPACE SHOP
SELF STORAGE
MASSILLON STORAGE
2600 LINCOLN WAY E. - MASSILLON, OH 44646
STEIN INVESTMENT GROUP

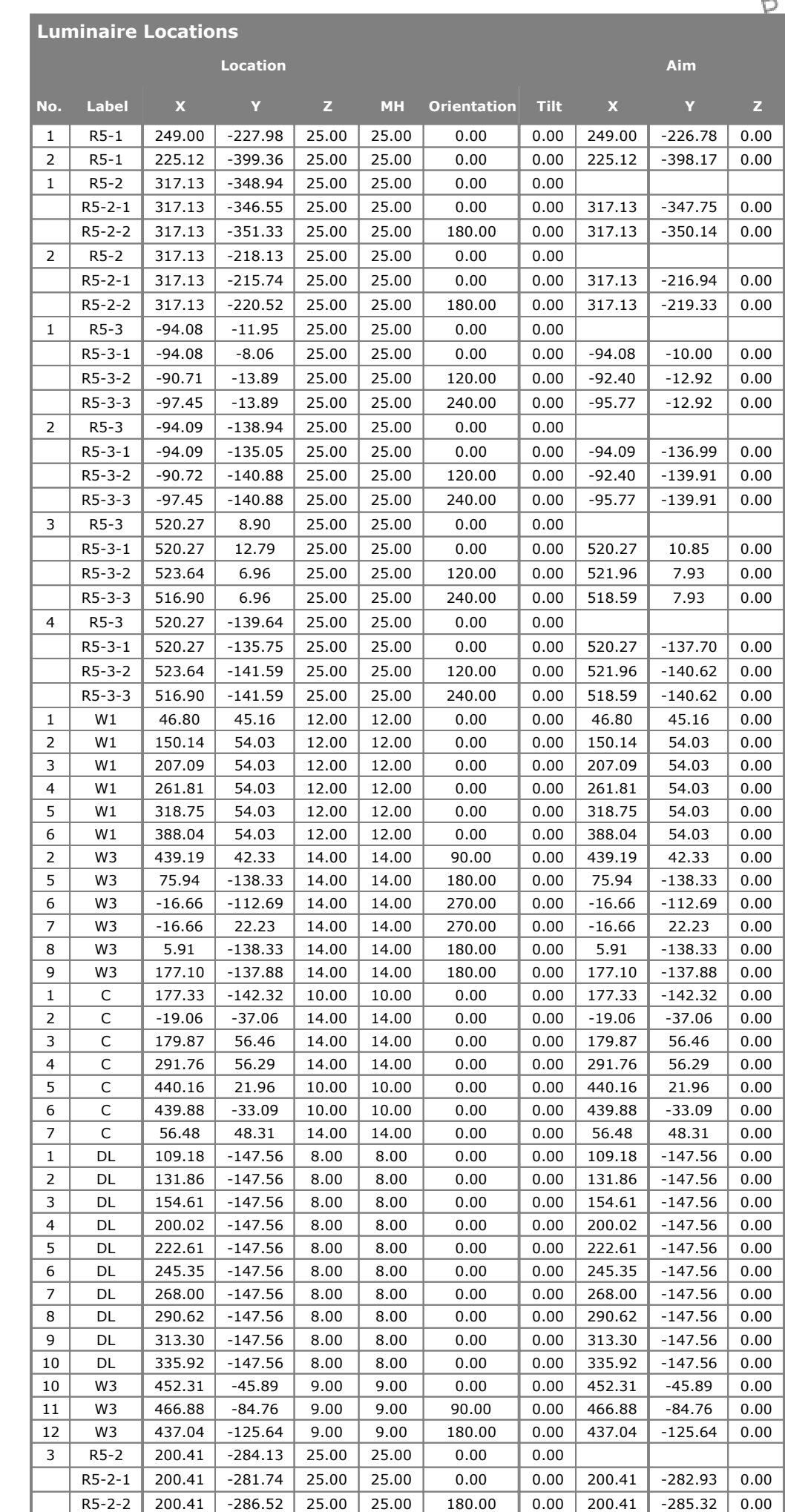
STATE OF OHIO
JOHN PAUL KENNEDY
E-77213
PROFESSIONAL ENGINEER
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KEVIN J. MAHER, AIA
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SUITE 400
ATLANTA, GEORGIA 30339
404.547.4499 (p)

ISSUE DATE: 08/17/2021
DRAWN BY: NPH/COR
CHECKED BY: PL/BA
PNO PROJ #: 20092

SHEET TITLE
ENLARGED FLOOR PLANS

SHEET #
P2.1



Accessories	Image	Code	Quantity	Accessories Name	Category	Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		W3	1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		ES-1	1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		ES-2	1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories			1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories			1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		W3	1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		C	1	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price
Accessories		ESL	17	Accessories Name	Accessories Category	Accessories Manufacturer	Accessories Description	Accessories Dimensions	Accessories Weight	Accessories Volume	Accessories Material	Accessories Color	Accessories Price

1. Readings are shown in units of maintained footcandles.
2. Total Light Loss Factor (LLF) = 5% or 0.95
3. Test Plane = 10' AFF
4. Fixture Mounting Height = 25' AG for all pole-mounted area lights, 12' or 9' AG for wall packs, 14' or 10' AG for canopy, 8' for downlights.
5. Building Height = 25' AFF
6. Building Reflectance Value = 10/10/10
7. Fixture Spacing = See Fixture Locations Schedule
8. This photometric layout was calculated using specific criteria. Any deviation from stated parameters will affect actual performance.
9. These lighting calculations are not a substitute for independent engineering analysis of lighting system suitability and safety.

This lighting design is not a professional engineering drawing and is provided for informational purposes only, without warranty as to accuracy, completeness, reliability or otherwise. CED National Accounts is not responsible for specifying the lighting or illumination requirements for any specific project. It is the obligation of the end-user to consult with a professional engineering advisor to determine whether this lighting design meets the applicable project requirements for lighting system performance, safety, suitability and effectiveness for use in a particular application. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual field performance to differ from the calculated photometric performance represented in this lighting design. In no event will CED National Accounts be held responsible for any loss resulting from any use of this lighting design.