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1. THE CONTRACTOR SHALL BE LICENSED WITH THE LAKE COUNTY DEPARTMENT OF UTILITIES PERTAINING TO WATER AND SANITARY DESIGN.
2. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO PROCEEDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3. EXISTING SITE INFORMATION / TOPOGRAPHIC SURVEY WAS PREPARED BY LAKE COUNTY GIS MAP. CEC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
4. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORD DATA) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ENGINEER OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
5. 48 HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICES, AND ALL OTHER AGENCIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF OHIO UNDERGROUND PROTECTION, INC.
6. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. ALL APPLICABLE OSHA STANDARDS SHALL BE FOLLOWED CONCERNING WORKER SAFETY. FOR MORE INFORMATION ON MOT PLEASE REFER TO RIGHT OF WAY NOTE 2.
7. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
8. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
9. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO BEGINNING WORK.
10. ANY WORK PERFORMED IN THE LOCAL OR STATE RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
11. THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE OHIO EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS. LAKE METROPARKS SHALL OBTAIN AN NPDES PERMIT.
12. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL, PRACTICES REQUIRED BY LAKE METROPARKS AND THE OHIO EPA.
13. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE STATE OF ODOT SPECIFICATIONS ITEM NO. 659.
14. ITEM NUMBERS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF LAKE COUNTY/LAKE METROPARKS. WHEN IN CONFLICT, THE COUNTY REQUIREMENTS SHALL PREVAIL.
15. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
16. THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
17. BEFORE INSTALLATION OF WATER SERVICE LINE OR SANITARY SEWER, OR OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT HE IS NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
18. CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
19. PARKING LOT STALL MARKINGS SHALL BE MADE IN ACCORDANCE WITH THE ODOT ITEM 640 PAVEMENT MARKING SPECIFICATIONS.
20. ALL MATERIALS ABOVE GROUND, INCLUDING PAVILION, SWINGS AND BATHROOM, WILL BE PROVIDED BY LAKE METRO PARK. CUT SHEETS WILL BE PROVIDED TO CONTRACTOR.

16. THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITIES.

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
4. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN IN ACCORDANCE WITH THE SPECIFICATIONS.
5. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS "QC1" (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
6. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
7. SITE DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

1. ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT, UNLESS INDICATED OTHERWISE.
2. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO PROJECT SPECIFICATIONS.
3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
4. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION & SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
5. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTING.
6. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE ENGINEER.
7. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).
8. PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2% AND SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
9. ALL SLOPES IN NON-PAVED AREAS SHALL BE 2:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
10. ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN, UNLESS NOTED OTHERWISE.

1. ALL PROPOSED UTILITY LINES AND EXTENSIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE LAKE COUNTY DEPARTMENT OF UTILITIES (LCDU) SPECIFICATIONS. CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTIONS WITH THE APPROPRIATE AGENCY.
2. THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF THE LOCATION OF UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
3. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND 18-INCH MINIMUM VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY PIPE, UNLESS OTHERWISE INDICATED. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERMAIN PIPE. ONE FULL LENGTH SECTION OF WATER MAIN PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
6. ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
7. 6" SANITARY GRAVITY SEWER SHALL BE PVC-SDR 26 PER ASTM D3034 OR APPROVED EQUAL (CONFORMING TO LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS). 6" SANITARY GRAVITY SEWER, WITH BETWEEN 5 FEET AND 16 FEET OF COVER: A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL TIMES. IF COVER IS LESS THAN 16 FEET, UNLESS OTHERWISE NOTED, SANITARY GRAVITY SEWER JOINTS SHALL CONFORM TO ASTM D3212 FOR PVC. INSTALLATION OF THE SANITARY SEWER PIPES AND FITTINGS SHALL CONFORM TO ASTM D2321, WHILE INSTALLATION OF THE DIRECTIONALLY DRILLED PIPES SHALL CONFORM TO ASTM F1962. ALL PIPE SPECIFICATIONS SHALL MEET THE LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS, SECTION 3.1.
8. SANITARY SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES PER LCDU REQUIREMENTS BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.
9. DISTANCES SHOWN FOR BOTH SANITARY AND WATER LINE ARE MEASURED FROM CENTER OF STRUCTURE, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR SANITARY STRUCTURES ARE SHOWN TO THE CENTER STRUCTURE. UNLESS OTHERWISE NOTED.

11. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ALL IMPROVEMENTS. INCLUDE AT LEAST TWO DIMENSIONS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DRAWINGS SHALL INCLUDE HORIZONTAL AND VERTICAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES ENCOUNTERED.

1. ONLY WATER/SEWER CONTRACTORS LICENSED BY THE LAKE COUNTY BOARD OF COMMISSIONERS MAY INSTALL WATER MAINS.
2. THIS APPROVAL BY THE LCDU SHALL EXPIRE IF THE WATERLINE CONSTRUCTION HAS NOT BEEN INITIATED BY A DEVELOPER WITH (12) MONTHS OF THE EFFECTIVE APPROVAL DATE AS SHOWN ON THE ORIGINALLY SUBMITTED FOR APPROVAL BLUEPRINT COPY.
3. THE CONTRACTOR SHALL NOTIFY THE LCDU AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEMS.
4. THE LCDU SHALL PERFORM INSPECTION SERVICES. THE COST OF INSPECTION SHALL BE INCLUDED AS PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS. (SEE SECTION 7 FEE SCHEDULE) COST FOR LAKE COUNTY INSPECTION FEE AND OTHER FEES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER WATERLINE ITEMS.
5. WATERLINE WORK SHALL NOT BEGIN UNTIL THE AREAS OF CONSTRUCTION ARE ROUGH GRADED.
6. ALL WATERLINES ON THIS PROJECT SHALL BE LAID AT THE ELEVATIONS AND GRADES SHOWN ON THE DRAWINGS. HIGH POINTS IN THE WATERLINE MUST OCCUR AT THE STATIONED HYDRANT TEE LOCATIONS.
7. ALL HYDRANTS SHALL BE POSITIONED SO THAT THE STEAMER NOZZLES POINT IN THE DIRECTION SHOWN ON THE PLANS.
8. THE PROPOSED WATERLINE SHALL HAVE 5' MINIMUM COVER OVER THE TOP OF PIPE AT ALL PLACES, EXCEPT AT SPECIFIC HYDRANT TEE LOCATIONS AS SHOWN ON THE PLANS.
9. ALL BOLTS SHALL BE STAINLESS STEEL TYPE 304 OR 316 WITH ANTI-GALLING AGENT.
10. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD CHECK SHOP DRAWINGS TO THE LCDU FOR FINAL CHECKING AND APPROVAL.
11. THE LCDU SHALL PROVIDE WATER FOR THE NEW WATERMAIN WITHOUT COST FOR THE INITIAL OPERATION. ALL WATER FOR FLUSHING OPERATIONS SHALL BE PAID FOR BY THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 100 CUBIC FEET OF WATER USED. (SEE SECTION 7 FEE SCHEDULE.)
12. LOCATION OF STERILIZATION AND TESTING CONNECTIONS SHALL BE AS DIRECTED BY THE LCDU AND ALL COSTS ASSOCIATED WITH PLACING AND UTILIZING SAID STERILIZATION AND TESTING CONNECTIONS SHALL BE INCLUDED IN THE PRICE BID PER LINEAL FOOT OF THE WATER MAINS. NO BACTERIA SAMPLES ARE TO BE TAKEN FROM FIRE HYDRANTS.
13. LCDU WILL MAKE THE NECESSARY NEW SERVICE CONNECTION TAPS ON EXISTING LCDU MAINS FOR THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 8" AND GREATER TAPS WITHIN RIGHT OF WAY. (SEE SECTION 7 FEE SCHEDULE) SERVICE CONNECTIONS TO EXISTING BUILDINGS SHALL BE MADE BY THE CONTRACTOR.
14. NO WATER SERVICE CONNECTIONS TO ANY BUILDING SHALL BE PERMITTED PRIOR TO FINAL ACCEPTANCE BY THE LCDU INCLUDING RECERTIFICATION OF ALL PUNCH LIST ITEMS.
15. ALL CURB STOP BOXES, VALVE BOXES, ETC. TO BE SET AS SHOWN ON THE PLANS. RIMS WILL BE RAISED OR LOWERED AND BOXES PLUMBED BY THE CONTRACTOR AT THE TIME OF HOUSE CONSTRUCTION WHEN FINAL YARD GRADING IS COMPLETED.
16. ALL PROJECTS HYDRANTS SHALL HAVE A FIELD COAT OF APPROVED PAINT APPLIED BY THE CONTRACTOR WITH THE EXCEPTION OF HYDRANTS THAT ARE FACTORY PAINTED WITH A ONE COAT UV RESISTANT HIGH GLASS 2-PART POLYURETHANE ENAMEL, COLOR AS SPECIFIED. IF THE COATING ON THE HYDRANT IS DAMAGED BEFORE INSTALLATION, THE HYDRANT MUST BE PAINTED.
17. THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT PRIOR TO ANY PRESSURE TESTING. FIRE DEPARTMENT SHALL WITNESS ANY PRESSURE TESTING.
18. ALL PROPOSED WATER LINES SHALL BE LAID OUT BY A REGISTERED SURVEYOR WITH GRADE STAKES AT A MINIMUM OF EVERY 50; AND AT ALL FITTINGS AND A CUT SHEET PROVIDED PRIOR TO CONSTRUCTION.
19. THE CONTRACTOR/DEVELOPER SHALL SUBMIT A THREE YEAR MAINTENANCE BOND TO THE COMMISSIONERS BY DEVELOPER IN THE AMOUNT OF TEN PERCENT OF THE FINAL CONSTRUCTION COSTS AS CERTIFIED BY THE DEVELOPER'S ENGINEER, FOR PUBLIC EXTENSION PROJECTS.

1. ALL SANITARY SEWER WORK COMPLETED MUST BE IN ACCORDANCE WITH THE CURRENT REGULATIONS AND RULES OF THE LAKE COUNTY DEPARTMENT OF UTILITIES (LCDU).
2. ONLY WATER/SEWER CONTRACTORS LICENSED BY THE LAKE COUNTY BOARD OF COMMISSIONERS MAY INSTALL SANITARY SEWERS.
3. CONSTRUCTION PLAN APPROVAL BY THE LCDU SHALL EXPIRE IF SANITARY SEWER CONSTRUCTION HAS NOT BEEN INITIATED BY A DEVELOPER WITHIN (12) MONTHS OF THE EFFECTIVE APPROVAL DATE AS SHOWN ON THE BLUEPRINT COPY ORIGINALLY SUBMITTED FOR APPROVAL (THIS IS NOT TO BE CONSTRUED AS THE DATE SHOWN ON THE ORIGINAL MYLAR TIE SHEET).
4. ALL SANITARY SEWER CONNECTIONS SHALL BE A MINIMUM OF 6" DIAMETER AND SHALL HAVE PREMIUM JOINTS.
5. ALL SANITARY SEWERS MUST HAVE PREMIUM JOINTS, AND THE ENTIRE SYSTEM MUST PASS AN INFILTRATION TEST AND EXFILTRATION TEST AFTER CONSTRUCTION HAS BEEN COMPLETED. THE MAXIMUM ALLOWABLE RATE OF INFILTRATION AND EXFILTRATION SHALL BE 100 GALLONS PER INCH DIAMETER OF THE SEWER PER MILE PER DAY.
6. THE CONTRACTOR SHALL SCHEDULE INSPECTION AT LEAST 48 HOURS IN ADVANCE WITH THE LCDU.
7. NO SANITARY SEWER SERVICE CONNECTIONS TO ANY BUILDING SHALL BE PERMITTED PRIOR TO FINAL ACCEPTANCE BY THE LCDU WHICH SHALL INCLUDE APPROVED RECTIFICATION OF ALL PUNCH LIST ITEMS AND THE SUBMITTAL OF MYLAR AS-BUILT DRAWINGS.
8. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.
9. ALL SANITARY SEWER CONSTRUCTION AREAS MUST BE TO SUBGRADE PRIOR TO CONSTRUCTION AND CERTIFIED IN WRITING BY AN OHIO PROFESSIONAL SURVEYOR.
10. SHOP DRAWINGS ON ALL MATERIALS SHALL BE SUBMITTED TO THE LCDU FOR APPROVAL PRIOR TO INSTALLATION.
11. INSPECTION SERVICES SHALL BE PERFORMED BY THE LCDU. THE COST OF INSPECTION SHALL BE INCLUDED AS A PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS. (SEE SECTION 7 FEE SCHEDULE OF L.C.D.U. RULES AND REGULATIONS) COST FOR INSPECTION SHALL BE THE SOLE RESPONSIBILITY OF THE LAKE COUNTY LICENSED WATER/SEWER CONTRACTOR.
12. HYDROSTATIC TESTING SHALL BE PERFORMED FOR ALL MANHOLES UNDER THE SUPERVISION OF LCDU INSPECTION.

1. OHIO LAW REQUIRES ALL PARTIES TO CONTACT THE OHIO UTILITIES PROTECTION (OUPS) SERVICES PRIOR TO ANY EXCAVATIONS. CALL 811 (OR 1-800-362-2784) ATLEAST 48 HOURS BEFORE DIGGING OR EXCAVATING. WHEN EXCAVATING, BORING OR WORKING WITHIN 10- FEET OF EITHER SIDE OF A TRANSMISSION PIPELINE, AN ENBRIDGE TRIR MUST BE PRESENT FOR THE ENTIRETY OF THE WORK. ENBRIDGE TRANSMISSION PIPELINE(S) SHALL BE POHOLED FOR THE TRIR TO HAVE A COMPLETE VISUAL VIEW OF THE PIPELINE DURING THE BORE CROSSINGS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBJACENT SUPPORT OF DOMINION ENERGY'S PIPELINE(S), IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART P, (SAFE EXCAVATION & SHORING).
3. ONE-FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE MUST BE MAINTAINED BETWEEN DOMINION ENERGY OHIO'S (DEO) EXISTING PIPELINE(S) AND ALL OTHER IMPROVEMENTS. EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPES, ETC.) OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.).
4. DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING SANITARY LINE CONSTRUCTION.
5. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ENSURING THAT ALL DEO EXISTING FACILITIES, ABOVE AND BELOW GROUND, REMAIN UNDAMAGED, ACCESSIBLE AND IN WORKING ORDER.
6. THE CROSSING OF DEO'S PIPELINE WITH ANOTHER STEEL FACILITY MAY CREATE A POTENTIAL CORROSION ISSUE FOR THE PROPOSED FACILITY AND THE EXISTING DEO FACILITY. PLEASE CONTACT DOMINION ENERGY OHIO'S CORROSION DEPARTMENT: DAVE CUTLIP (330-266-2121), OR CORTAZ SANDERS (216-212-2225).
7. AS REQUIRED BY STATUTE, DEO ACKNOWLEDGES ITS PIPELINES, AS A RULE, WERE INSTALLED AT APPROXIMATELY 36" DEEP.
8. TO AVOID PERSONAL INJURIES, PROPERTY DAMAGES, LEGAL ACTIONS, ETC., NO CONSTRUCTION, GRADING OR EXCAVATING SHOULD BEGIN WITHIN 30 FEET OF ANY DEO HIGH PRESSURE NATURAL GAS PIPELINE WITHOUT WRITTEN APPROVAL FROM THIS OFFICE. NO IMPROVEMENTS OF ANY KIND SHOULD BE MADE BY ANY PARTY OTHER THAN DEO WITHIN 100 FEET RADIUS OF A DEO GAS WELL OR DEO BRINE/OIL TANK.
9. CONTRACTOR SHALL NOTIFY DOMINION ENERGY OHIO TRANSMISSION AT LEAST ONE FULL WORKING DAY PRIOR TO COMMENCING EXCAVATION NEAR GAS TRANSMISSION LINES. DOMINION REQUESTS TO BE PRESENT FOR THE EXCAVATION IN ACCORDANCE WITH ORC 3781.31 (A).
10. GAS SERVICE LINES TO PROPERTIES ARE SHOWN ON THESE PLANS BASED ON GEO-REFERENCED INFORMATION. CONTRACTOR SHALL FIELD VERIFY THE SERVICE LINE LOCATIONS PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS.

GEOTECHNICAL SOIL BORINGS HAVE BEEN PERFORMED FOR THIS DESIGN. GEOTECHNICAL REPORT WILL BE PROVIDED UPON REQUEST.

1. CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE LAKE COUNTY ENGINEER'S OFFICE PRIOR TO CONSTRUCTION, WHICH INCLUDES PROVIDING A \$20,000 SURETY BOND. COSTS TO OBTAIN THIS PERMIT SHALL BE INCLUDED UNDER ITEM 624 MOBILIZATION.
2. TRAFFIC MUST BE MAINTAINED ON DOCK ROAD IN BOTH DIRECTIONS AT ALL TIMES. TEMPORARY ONE LANE OR FULL CLOSURES, IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES MOST CURRENT EDITION AND ODOT SCd MT-97.10, MAY BE ALLOWED BUT SHALL BE COORDINATED WITH AND APPROVED BY THE LAKE COUNTY ENGINEER'S OFFICE AND/OR THE TOWNSHIP. LANE CLOSURES MAY BE DENIED IF THEY NEGATIVELY IMPACT THE COUNTY'S OR THE TOWNSHIP'S SNOW REMOVAL OPERATIONS.
3. DOCK ROAD IS MAINTAINED BY LAKE COUNTY.
4. CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL DRIVEWAYS.
5. SHOULD ANY EXISTING TRAFFIC SIGNS BE DISTURBED OR REMOVED, THE CONTRACTOR SHALL REPLACE/REINSTALL THE SIGN ON A NEW 3 LB/FT SIGN POST IN ACCORDANCE WITH THE OMUTCD (MOST RECENT EDITION) AT THE CONTRACTOR'S EXPENSE.
6. ALL MAILBOXES WITHIN THE WORK LIMITS SHALL BE REMOVED AS NECESSARY TO FACILITATE WORK, PLACED ON TEMPORARY SUPPORTS DURING THE COURSE OF WORK, AND RE-INSTALLED ON EXISTING POSTS BY THE END OF THE PROJECT.
7. THE CONTRACTOR IS TO BE RESPONSIBLE FOR NOTIFYING, BY LETTER WITH HIS COMPANY LETTERHEAD, RESIDENTS, AND BUSINESSES, OF DOCK ROAD WHERE DRIVEWAYS WILL BE IMPACTED DURING THIS PROJECT. ADVANCED NOTICE SHALL BE TWO WEEKS PRIOR TO THE FIRST DAY OF WORK AT THAT LOCATION. A COPY OF THE LETTER TO BE CIRCULATED SHALL BE PRESENTED AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR IS TO NOTIFY THE PROJECT ENGINEER OF THE DATES WHEN THIS NOTIFICATION IS DISTRIBUTED.
8. MAINTAIN ACCESS TO RESIDENTIAL PROPERTIES AT ALL TIMES.
9. IN THE EVENT THAT A DRIVE CANNOT BE MAINTAINED AND A CLOSURE IS NEEDED THE CONTRACTOR WILL COORDINATE WITH THE PROPERTY OWNER TO MINIMIZE THE IMPACT TO THE OWNER.
10. STREET SWEEPING IS REQUIRED DAILY, OR AS NEEDED.

BOT = BOTTOM ELEVATION OF THE INSIDE OF A MANHOLE/STRUCTURE
 CMP = CORRUGATED METAL STORM PIPE
 CPP = CORRUGATED PLASTIC STORM PIPE
 CP = CONTROL POINT
 D = DEPTH OF MANHOLE, FROM RIM TO BOT
 DEO = DOMINION ENERGY OHIO, 1-800-362-7557
 DIA = DIAMETER
 DND = DO NOT DISTURB
 EX = EXISTING
 HOR = HORIZONTAL
 INV = INVERT
 LCDU = LAKE COUNTY DEPARTMENT OF UTILITIES
 LF = LINEAL FEET
 LMP = LAKE METROPARKS
 ODOT = OHIO DEPARTMENT OF TRANSPORTATION
 PL = PLASTIC
 PR = PROPOSED
 RCP = REINFORCED CONCRETE STORM PIPE
 RIM = RIM ELEVATION OF A STRUCTURE
 TBA = TO BE ABANDONED
 TBR = TO BE KNOWN AND REPLACED (I.E., NEW SAME DIAMETER PIPE, RE-USE EX. SIGNAGE)
 TBR = TO BE REMOVED
 TYP = TYPICAL
 WL = WATERLINE

6150 Parkland Blvd.
Suite 115
Mayfield Heights, OH 44124
Ph: 440.544.1555
www.cecinc.com



**LAKE METROPARKS
LAKE COUNTY, OHIO**

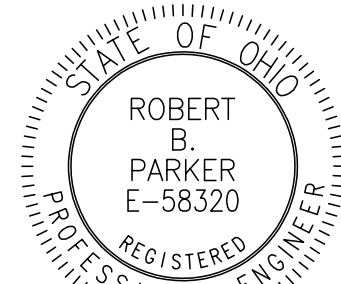
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LEGEND:

- | | | | |
|--|---------------------------------|--|---------------------|
| | CONCRETE FLOOR OR CONCRETE WALK | | PROPOSED SANITARY |
| | ASPHALT PAVEMENT | | PROPOSED ELECTRICAL |
| | PROPOSED WATER LINE | | PROPOSED CONTOUR |



REVISION RECORD	
NO	DATE
1	04/2025
REVISION PER ADDENDUM 1	

6150 Parkland Blvd.
Suite 115
Mayfield Heights, OH 44124
Ph: 440.544.1555
www.cecinc.com

Civil & Environmental Consultants, Inc.

ARCOLA CREEK PARK
SITE IMPROVMENTS

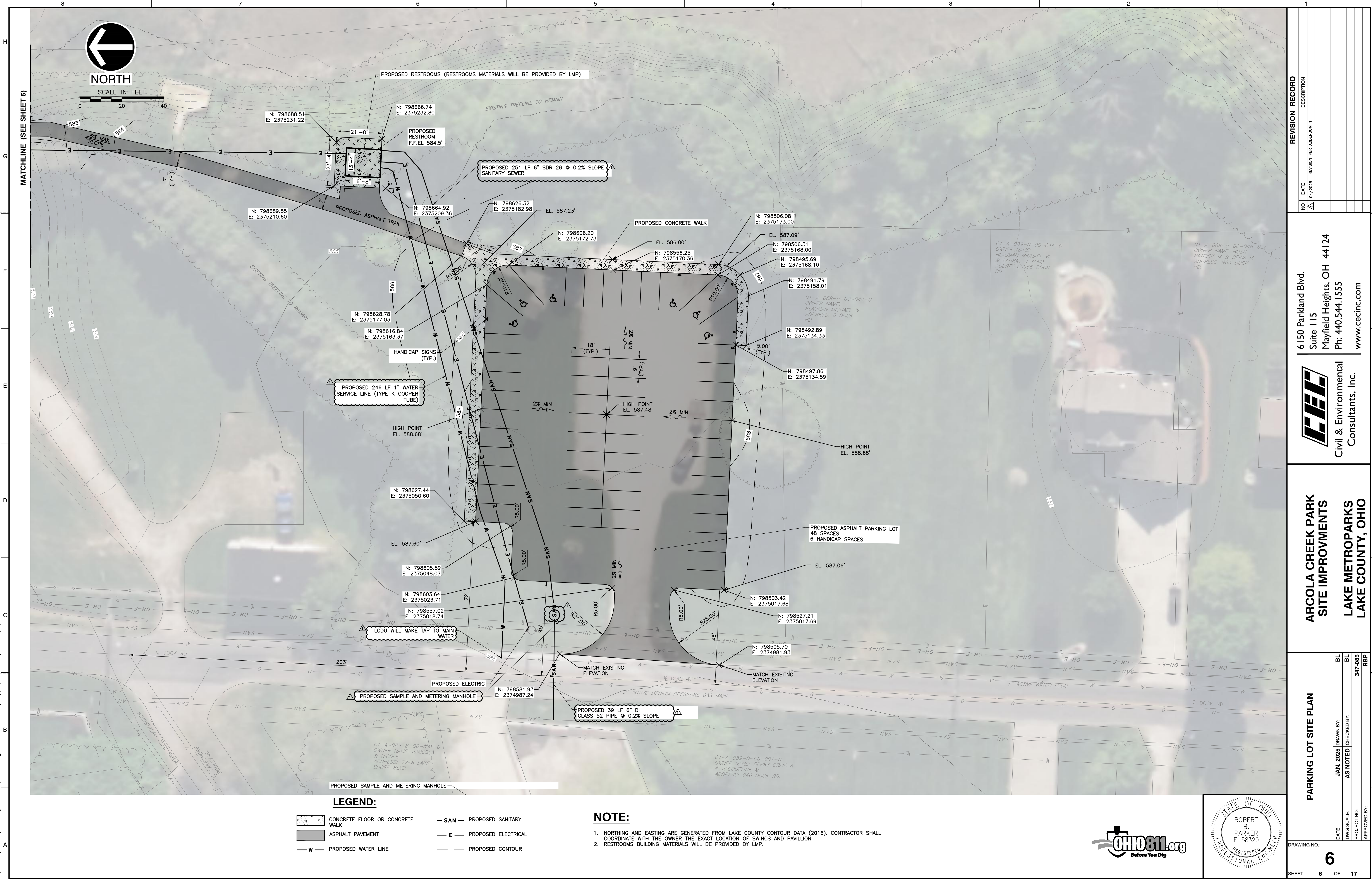
LAKE METROPARKS
LAKE COUNTY, OHIO

PROPOSED SITE PLAN	
DATE:	JAN. 2025
DRAWN BY:	BL
AS NOTED	CHECKED BY:
PROJECT NO:	347-085
APPROVED BY:	RBP

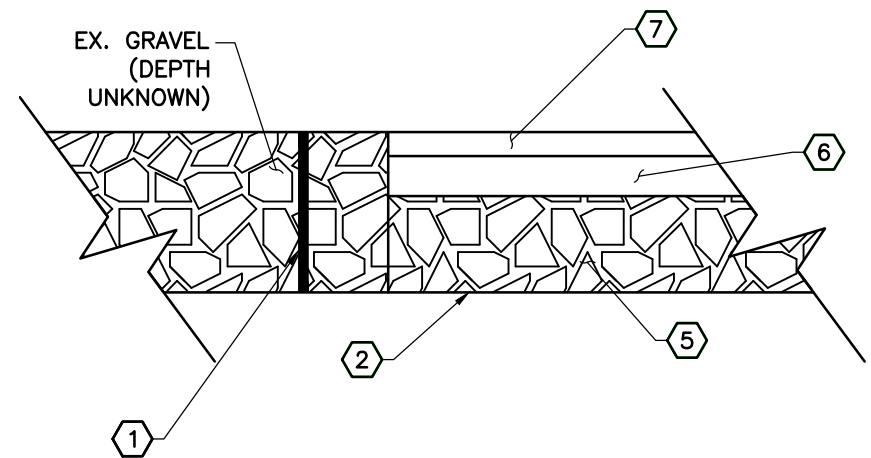
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SHEET 4 OF 17

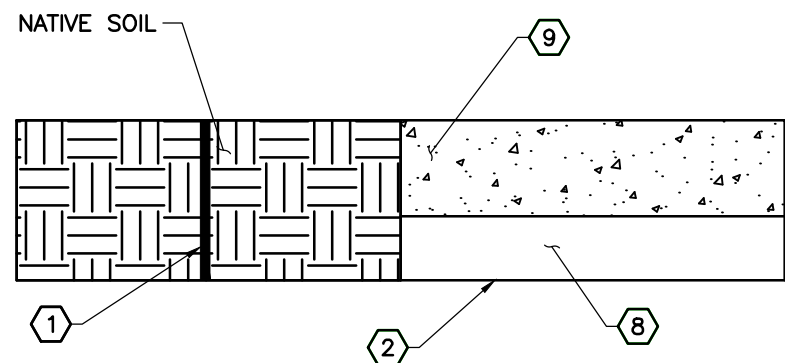
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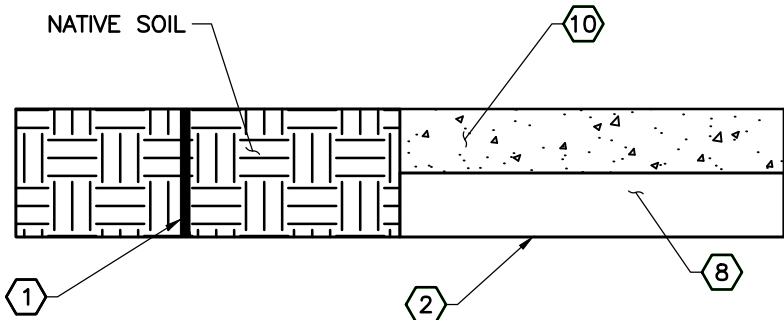
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ASPHALT PARKING PAVEMENT DETAIL
N.T.S.



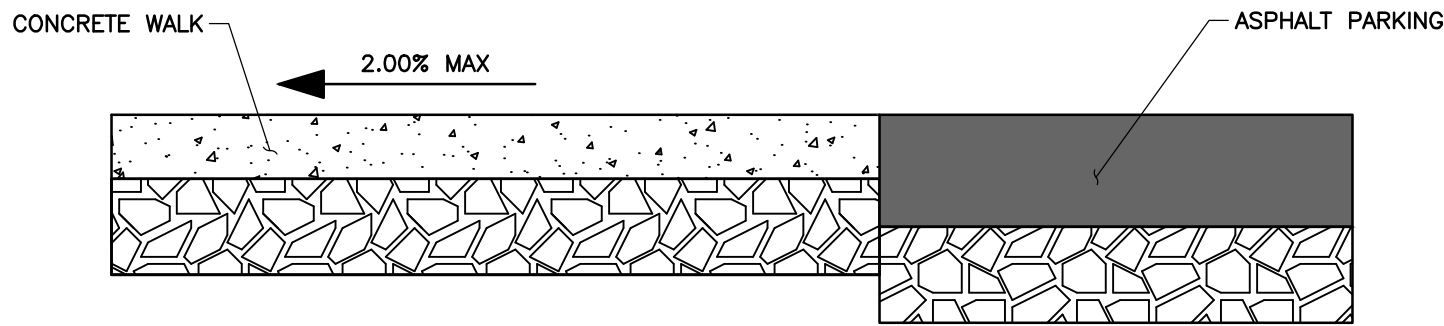
CONCRETE FLOOR DETAIL
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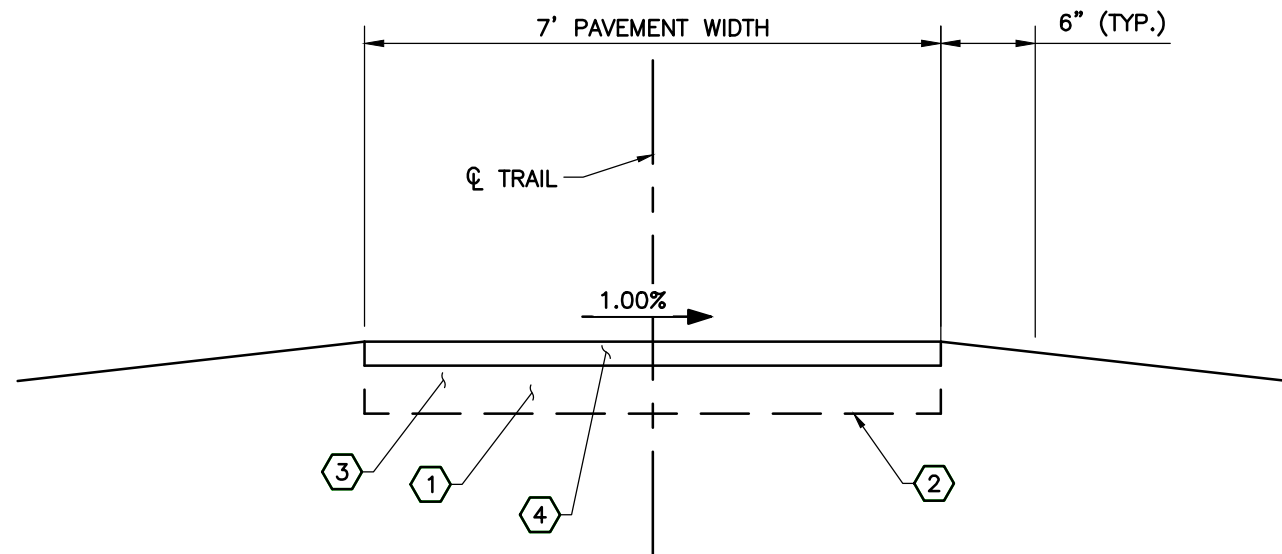
CONCRETE WALK DETAIL
N.T.S.

LEGEND:

- ① ITEM 203 - EXCAVATION
- ② ITEM 204 - ODOT SUBGRADE COMPACTION
- ③ ITEM 304 - 4" ODOT AGGREGATE BASE
- ④ ITEM 441 - 3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1. (448), PG64-22, AS PER PLAN
- ⑤ ITEM 304 - 6" ODOT AGGREGATE BASE
- ⑥ ITEM 441 - 2 ½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448)
- ⑦ ITEM 441 - 1 ½" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ⑧ ITEM 304 - 6" ODOT LESTONE AGGREGATE BASE COARSE
- ⑨ 6" REINFORCED CONCRETE WITH 4"x4" W1.4 X W1.4 WWF.
- ⑩ 4" REINFORCED CONCRETE WITH 4"x4" W1.4 X W1.4 WWF.



ASPHALT PARKING AND PAVEMENT WALK DETAIL
N.T.S.



ASPHALT TRAIL PAVEMENT DETAIL
N.T.S.

ADA-COMPLIANT TRAIL NOTES:

- CONTRACTOR SHALL PROVIDE MINIMAL GRADING AND CLEARING AS NEEDED TO PREPARE THE PROPOSED ADA-COMPLIANT TRAILS. PROPOSED TRAIL SURFACE SHALL GENERAL FOLLOW EXISTING GRADES
- RUNNING SLOPES SHALL NOT BE STEEPER THAN 1:20, AND CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 PER SECTION 403.3 OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN (SEE KEY REQUIREMENT TABLE BELOW). TRAIL CROSS-SECTION DOES NOT NEED TO BE CROWNED - IT SHALL VARY TO ENSURE POSITIVE DRAINAGE UTILIZING EXISTING DRAINAGE PATTERNS.
- PROPOSED ADA-COMPLIANT TRAIL WIDTH SHALL BE A MINIMUM OF 7', AND TRAIL SURFACE SHALL BE FIRM AND STABLE.
- PROVIDE NOMINAL GRADING AND COMPACTION WITHIN THE 6 INCH WIDE SHOULDER ADJACENT TO EACH SIDE OF THE ADA-COMPLIANT TRAIL.

ADA-COMPLIANT FACILITIES - KEY REQUIREMENT TABLES

TABLE 1: RUNNING SLOPE REQUIREMENTS (TRAIL GRADE UP OR DOWN)

MAX RUN OF TRAIL SLOPE	MAX DISTANCE BETWEEN LEVEL LANDINGS
0-5%	ANY DISTANCE (SEE NOTE 1)
6-8%	50 FEET OF RUN (SEE NOTE 2)
9-10%	30 FEET OF RUN (SEE NOTE 2)
11-14%	5 FEET OF RUN (SEE NOTE 2)

NOTE 1: RUNNING SLOPE GREATER THAN 5% NOT PERMITTED WHERE CROSS SLOPE EXCEEDS 5%.

NOTE 2: LEVEL LANDINGS 5 FEET LONG ARE REQUIRED AT THE END OF EACH RUN SECTION.

TABLE 2: CROSS SLOPE REQUIREMENTS

MAX CROSS SLOPE	MAX DISTANCE
0-2% RECOMMENDED	ANY DISTANCE
3-5%	ANY DISTANCE (SEE NOTE 3)
6-8%	10 FEET (SEE NOTE 4)
10-12%	5 FEET (SEE NOTE 4)

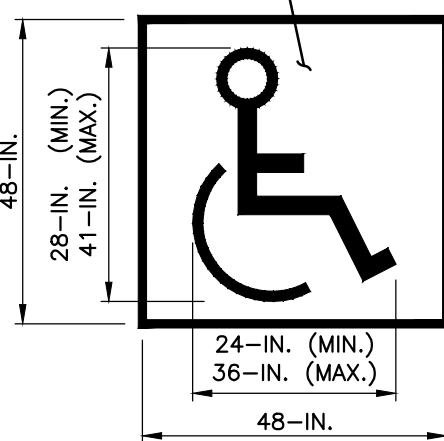
NOTE 3: CROSS SLOPE GREATER THAN 5% NOT PERMITTED WHERE RUNNING SLOPE EXCEEDS 5%.

NOTE 4: LEVEL AREA 5 FEET LONG IS REQUIRED AT THE END OF EACH RUN SECTION.

NOTE:

- CONTRACTOR SHALL ENSURE ALL PARKING LOTS, DRIVES, ADA-COMPLIANT TRAILS, AND ALL STRUCTURES & AMENITIES ALONG THE ADA-COMPLIANT TRAILS MEET THE REQUIREMENTS IN THESE TABLES UPON COMPLETION OF PROJECT

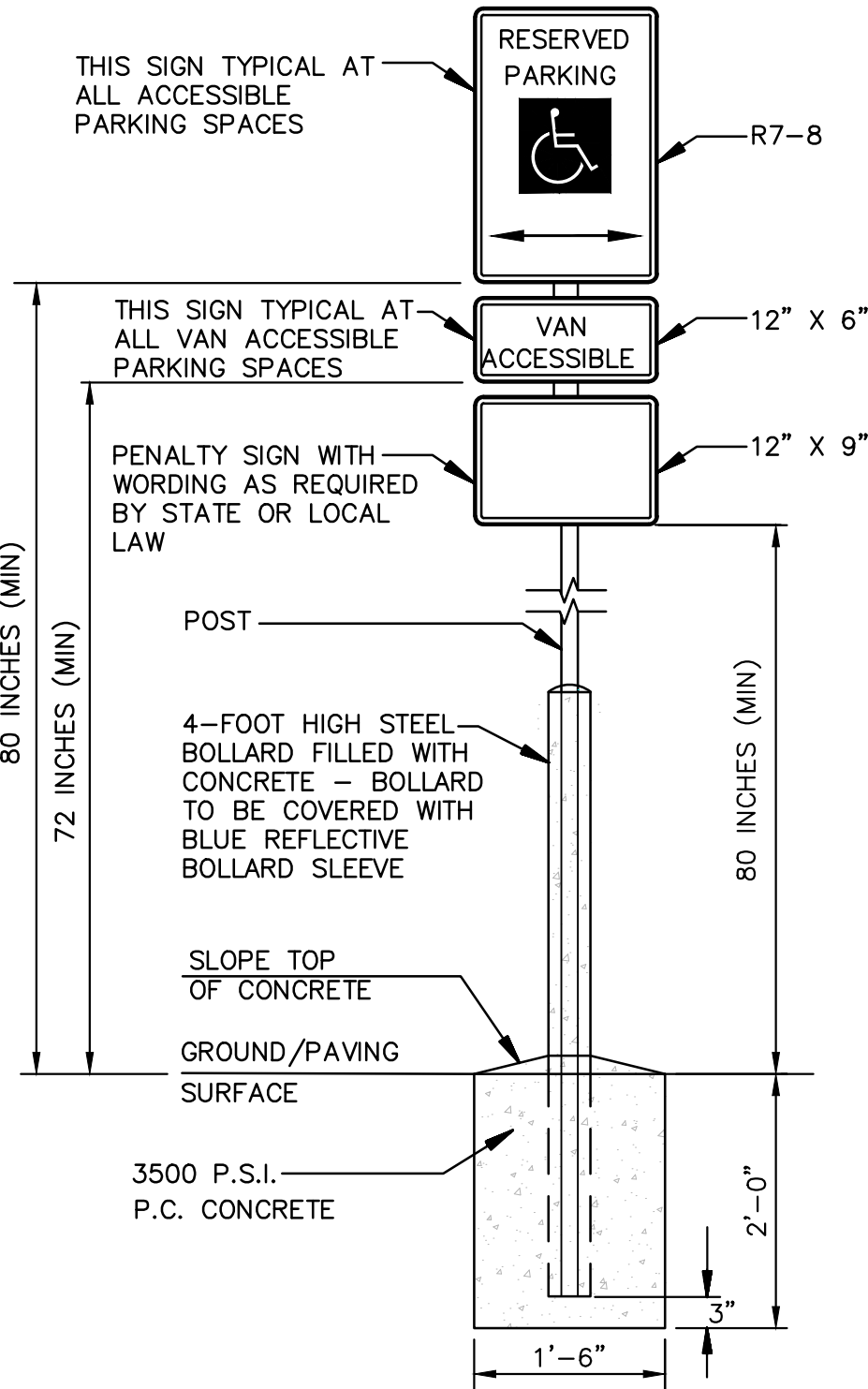
LOGO SHALL HAVE BLUE BACKGROUND WITH WHITE SYMBOL



NOTES:

- CONTRACTOR SHALL FURNISH AND INSTALL PAVEMENT MARKINGS AS SHOWN USING A TEMPLATE OR STRIPING MACHINE IN ACCORDANCE WITH ODOT SPECIFICATIONS.
- PAINT MATERIALS SHALL BE APPLIED IN ACCORDANCE WITH ODOT SPECIFICATIONS.

ACCESSIBLE PARKING SPACE MARKING N.T.S.



RESERVED PARKING SIGN (R7-8) VAN ACCESSIBLE SIGN (R7-8P) N.T.S.

PAY ITEM NOTES

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN
THIS ITEM INCLUDES THE EQUIPMENT, LABOR, AND MATERIALS THAT IS DESCRIBED IN THE ODOT CMS FOR ITEM 201 CLEARING AND GRUBBING, AS WELL AS INCLUDES THE REMOVAL, DISPOSAL, AND STUMP GRINDING OF ANY AND ALL MATURE TREES REQUIRED TO BE REMOVED TO FACILITATE CONSTRUCTION. THIS INCLUDES TREES WITHIN THE LIMITS OF CONSTRUCTION (UNLESS MARKED TO REMAIN). ANY TREE CLEARING REQUIRED FOR THE PROJECT SHALL BE PERFORMED BY THE CONTRACTOR WITHIN THE TREE CLEARING SEASON FROM OCTOBER 1 TO MARCH 31. THIS ITEM SHALL BE PAID AS A LUMP SUM.

ITEM 202 - REMOVAL OF PORTABLE RESTROOMS, AS PER PLAN
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, AND MATERIALS TO REMOVE THE EXISTING PORTABLE RESTROOMS IN THE AREA WITHIN THE CONSTRUCTION LIMITS. THIS ITEM INCLUDE TRANSPORTATION OF THE PORTABLE RESTROOMS TO PREFERRED OWNERS LOCATION NO FURTHER THAN 50 MILES. THIS ITEM SHALL BE PAID AS A LUMP SUM.

ITEM 451 - 4" REINFORCED CONCRETE PAVEMENT FROST SLABS, AS PER PLAN
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, AND MATERIALS TO PREPARE, PLACE AND FINISH THE FROST SLAB AS PER DETAIL ON FOUNDATION PLANS.

ITEM SPECIAL - FOUNDATION, AS PER PLAN
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, AND MATERIALS TO PREPARE, AND PLACE REINFORCED CONCRETE FOUNDATIONS FOR PAVILION, SWINGS AND RESTROOMS AS PER DETAILS ON FOUNDATION PLANS. THE PAVILION AND SWINGS FOUNDATION WILL PAID PER EACH AND THE RESTROOM FOUNDATION WILL BE PAID BY CUBIC YARD.

ITEM SPECIAL - PAVILION INSTALLATION
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, TO INSTALL THE PAVILION. PAVILION MATERIALS WILL BE PROVIDED AND DELIVERED ON SITE BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING MATERIALS. THIS ITEM IS PAID LUMP SUM.

ITEM SPECIAL - RESTROOM INSTALLATION
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, TO BUILD THE RESTROOMS. RESTROOMS MATERIALS WILL BE PROVIDED AND DELIVERED ON SITE BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING MATERIALS. THIS ITEM IS PAID LUMP SUM.

ITEM SPECIAL - BENCH SWING MATERIALS
THIS ITEM INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING: 8"x8", 4"x6" AND 2"x4" TREATED SOUTHERN PINE GRADE OR BETTER, AND GALVANIZED NAIL, ANTI CORROSION SCREWS, AND GALVANIZED BOLTS REQUIRED TO BUILD THE SWINGS STRUCTURE. THIS ITEM IS PAID LUMP SUM.

ITEM SPECIAL - BENCH SWING INSTALLATION
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT TO BUILD THE SWINGS. BENCH SWINGS WILL BE PROVIDED AND DELIVERED ON SITE BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING THE INSTALLATION OF THE BENCH SWINGS. THIS ITEM IS PAID LUMP SUM.

ITEM SPECIAL - ELECTRIC CONNECTION
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT MATERIALS AND COORDINATION TO INSTALL AND CONNECT THE ELECTRIC LINE FROM THE POLE TO THE RESTROOMS AND INSTALL THE ELECTRIC LINE FROM THE RESTROOMS TO PAVILION. CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY FOR CONNECTION TO THE MAIN POWER LINES. THIS ITEM IS PAID LUMP SUM.

ESTIMATED QUANTITIES

ODOT ITEM	ITEM DESCRIPTION	QUANTITY	UNIT
TRAIL AND PARKING LOT			
201	CLEARING AND GRUBBING, AS PER PLAN	1	LUMP
202	REMOVAL OF PORTABLE RESTROOMS, AS PER PLAN	1	LUMP
203	EXCAVATION	649	CY
204	SUBGRADE COMPACTION	2,447	SY
253	PAVEMENT REPAIR MISC.: ASPHALT ROAD	5	SY
304	4" AGGREGATE BASE	348	CY
304	6" AGGREGATE BASE	19	CY
441	4" ODOT AGGREGATE BASE COARSE	31	CY
441	3" ASPHALT CONCRETE SURFACE COURSE, TYPE 1	144	CY
441	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE	87	CY
441	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1	171	SY
451	4" REINFORCED CONCRETE PAVEMENT	6	EACH
630	HANDICAP SIGN	1,089	FT
640	PARKING LOT STALL MARKING		
RESTROOMS			
304	6" ODOT LESTONE AGGREGATE BASE COARSE	7	CY
451	6" REINFORCED CONCRETE PAVEMENT	25	SY
451	4" REINFORCED CONCRETE PAVEMENT FROST SLABS, AS PER PLAN	41	SY
611	6" SANITARY LINE PVC - SDR 26	290	FT
611	SAMPLE AND METERING MANHOLE	1	EACH
748	1" WATER LINE (TYPE K COOPER), AS PER PLAN	246	FT
ELECTRIC CONNECTION			
SPECIAL	FOUNDATION, AS PER PLAN	24	CY
SPECIAL	RESTROOMS BUILDING INSTALLATION	1	LUMP
PAVILION			
304	6" ODOT LESTONE AGGREGATE BASE COARSE	52	CY
451	6" REINFORCED CONCRETE PAVEMENT, AS PER PLAN	147	SY
451	4" REINFORCED CONCRETE PAVEMENT, AS PER PLAN	163	SY
651	TOPSOIL STOCKPILED	52	CY
651	PLACING STOCKPILED TOPSOIL	26	CY
SPECIAL	FOUNDATION, AS PER PLAN	12	EACH
SPECIAL	PAVILION INSTALLATION	1	LUMP
BENCH SWING			
304	6" ODOT LESTONE AGGREGATE BASE COARSE	4	CY
451	4" REINFORCED CONCRETE PAVEMENT, AS PER PLAN	27	SY
651	TOPSOIL STOCKPILED	4	CY
651	PLACING STOCKPILED TOPSOIL	2	CY
SPECIAL	FOUNDATION, AS PER PLAN	8	EACH
SPECIAL	BENCH SWING MATERIALS	1	LUMP
SPECIAL	BENCH SWING INSTALLATION	1	LUMP
EROSION CONTROL			
SPECIAL	SEEDING AND MULCHING, CLASS 1	1	LUMP
832	EROSION CONTROL	1	LUMP
INCIDENTALS			
103	PREMIUM FOR CONTRACT PERFORMANCE BOND, FOR PAYMENT BOND, AND FOR MAINTENANCE BOND	1	LUMP
623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LUMP
624	MOBILIZATION	1	EACH
SPECIAL	PRE-CONSTRUCTION VIDEO	1	LUMP
SPECIAL	PRIVATE UTILITY LOCATE	1	LUMP
SPECIAL	LCDU INSPECTOR ALLOWANCE	1	EACH

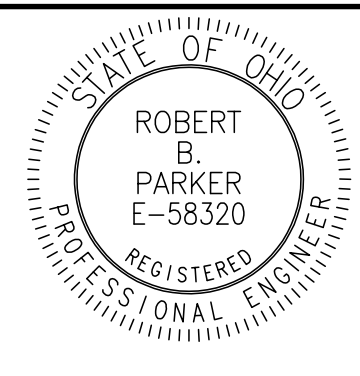
ITEM 832 - EROSION CONTROL
ALL EROSION CONTROL ITEMS, NOTES, BEST MANAGEMENT PRACTICES (BMPs), AND DETAILS AS SHOWN ON THESE PLANS, OR AS NEEDED DURING THE COURSE OF CONSTRUCTION, SHALL BE PAID FOR AS A LUMP SUM ITEM. THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, PROCUREMENT OF A CONSTRUCTION STORMWATER PERMIT/NOTICE OF INTENT (IF NEEDED), INSTALLATION OF ALL BMPs, CONCRETE WASHOUT AREA, SILT FENCE, PERIMETER CONTROLS, EROSION & SEDIMENT CONTROLS, MAINTENANCE/INSPECTION OF THOSE BMPs/CONTROLS, DUST CONTROL, AND ANY OTHER TASK/ITEM TO COMPLY WITH THE OHIO EPA GENERAL PERMIT AND/OR LOCAL REGULATIONS, THROUGHOUT THE LENGTH OF THE CONSTRUCTION.

ITEM SPECIAL - PRE-CONSTRUCTION VIDEO
THIS ITEM INCLUDES A VIDEO RECORDING BY THE CONTRACTOR OF ALL AREAS OF THE PROJECT PRIOR TO CONSTRUCTION, TO ENSURE FINAL SITE CONDITIONS ARE BACK TO ORIGINAL CONDITIONS OR BETTER. VIDEO RECORDING SHALL SHOW ALL PORTIONS OF THE PROJECT, IN BOTH DIRECTIONS OF THE ALIGNMENT STATIONING. VIDEO SHALL ALSO CAPTURE ANY CONTRACTOR STAGING AND HAULING AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR TO ANY DAMAGES CAUSED BY THE CONTRACTOR DURING COURSE OF THE WORK.

ITEM SPECIAL - PRIVATE UTILITY LOCATE
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE A THIRD PARTY PRIVATE UTILITY LOCATING SERVICE (I.E., IN ADDITION TO OUPS) TO INVESTIGATE UNDERGROUND ON DOCK ROAD AND WITHIN THE PROJECT AREAS (I.E., ALONG THE SAME SIDE OF THE ROAD AS THE PROPOSED WORK). GAS, WATER, SANITARY, ELECTRIC, AND COMMUNICATIONS LINES MAY BE EXPECTED. SPECIFIC ATTENTION SHOULD BE PLACED ON LOCATING THE EXISTING GAS LINES WITHIN THE PROJECT AREA. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE PRIVATE LOCATE TO THE ENGINEER/OWNER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ANY UTILITY CONFLICTS WITH THE ENGINEER/OWNER PRIOR TO CONSTRUCTION. THIS ITEM SHALL BE PAID LUMP SUM.

ITEM SPECIAL - LCDU INSPECTOR ALLOWANCE
SEWER AND WATER INSPECTION SERVICES SHALL BE PERFORMED BY THE LAKE COUNTY DEPARTMENT OF UTILITIES (LCDU). THE COST OF INSPECTION SHALL BE INCLUDED AS A PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS. (SEE SECTION 7 FEE SCHEDULE OF L.C.D.U. RULES AND REGULATIONS). COORDINATION OF AND COST FOR INSPECTION SHALL BE THE SOLE RESPONSIBILITY OF THE LICENSED WATER/SEWER CONTRACTOR. THE CONTRACTOR SHALL SEND A COPY OF THE INSPECTION INVOICE FROM LCDU TO THE ENGINEER. ALL BIDDERS SHALL UTILIZE THE SAME ESTIMATED COST FOR THEIR BIDS. CONTRACTOR WILL BE REIMBURSED AT COST (I.E., NO MARKUP) FOR ACTUAL INSPECTION FEES REQUIRED FOR COMPLETION OF THE PROJECT.

ITEM 748 - 1" WATER LINE (TYPE K COOPER), AS PER PLAN
THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, AND MATERIALS TO INSTALL THE 1" WATER SERVICE LINE. THIS ITEM INCLUDES THE METER VAULT PER LCDU DETAIL 2.25.1 AS WELL AS PURCHASING AND INSTALLING THE BACKFLOW PREVENTER INSIDE THE RESTROOMS PER LCDU DETAIL 2.13.1. THIS ITEM WILL BE PAID BY LINEAR FEET OF THE WATER SERVICE LINE.



DRAWING NO.:

10

SHEET 10 OF 17

GENERAL DETAILS

ARCOLA CREEK PARK SITE IMPROVMENTS

LAKE METROPARKS LAKE COUNTY, OHIO

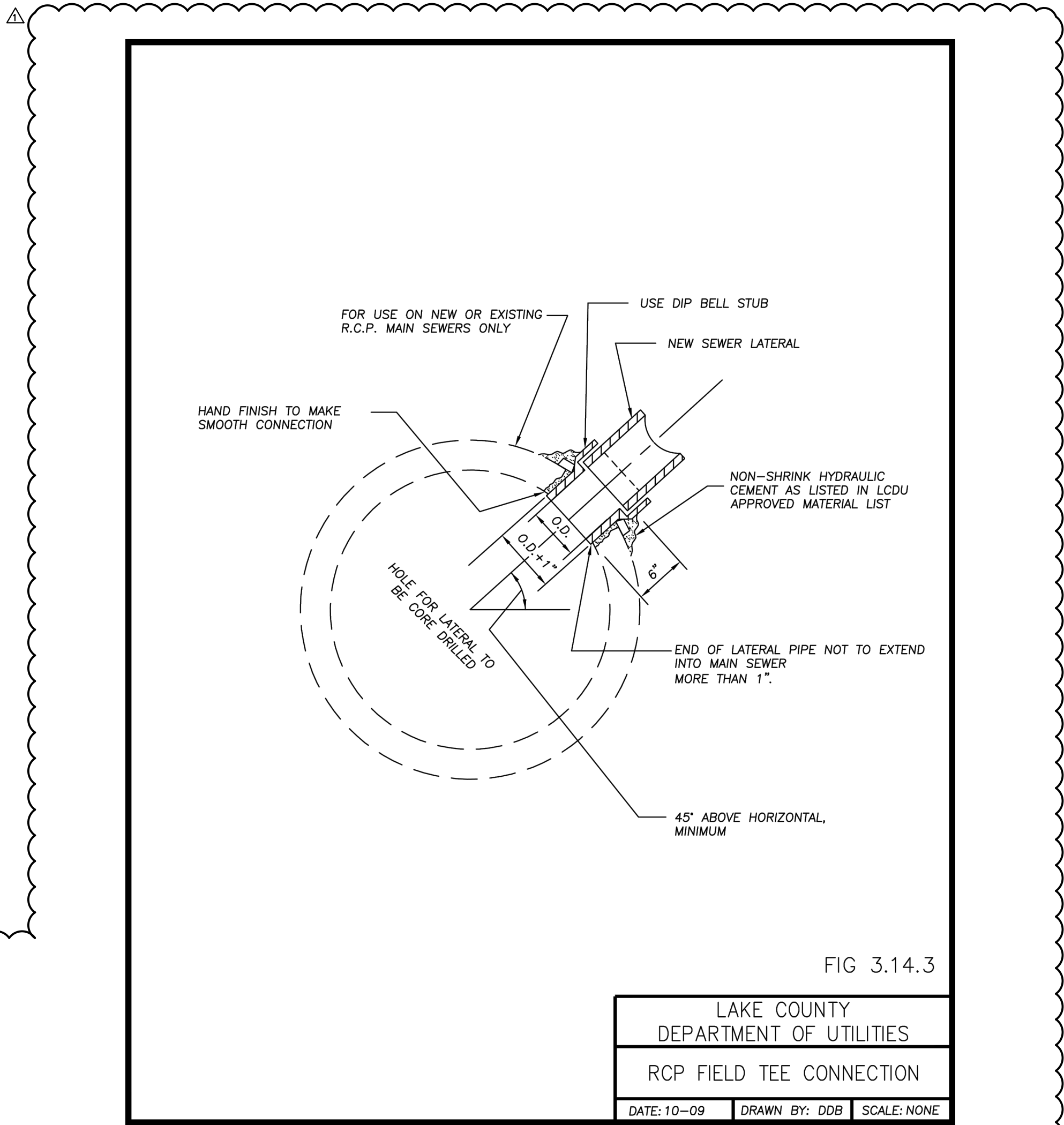
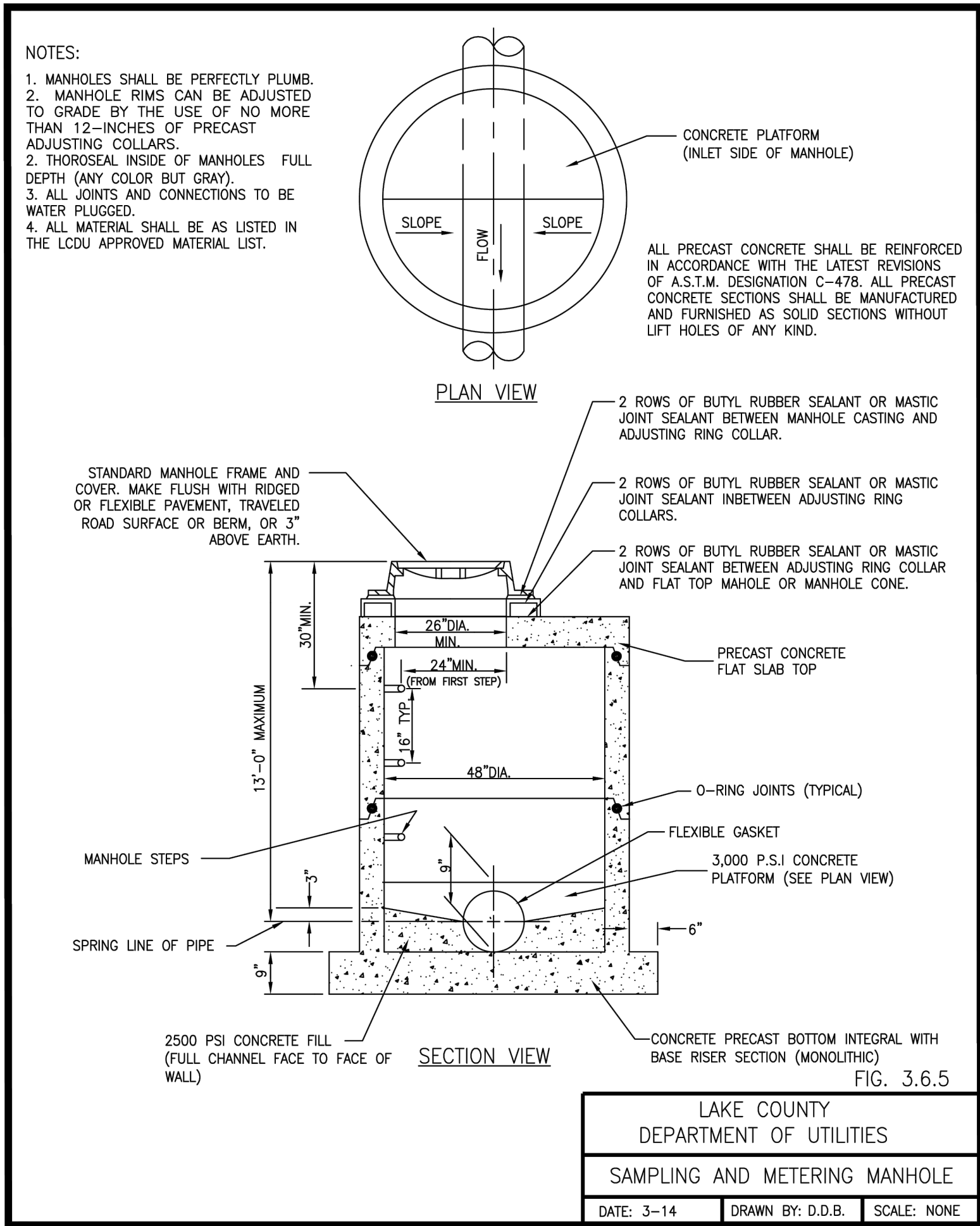
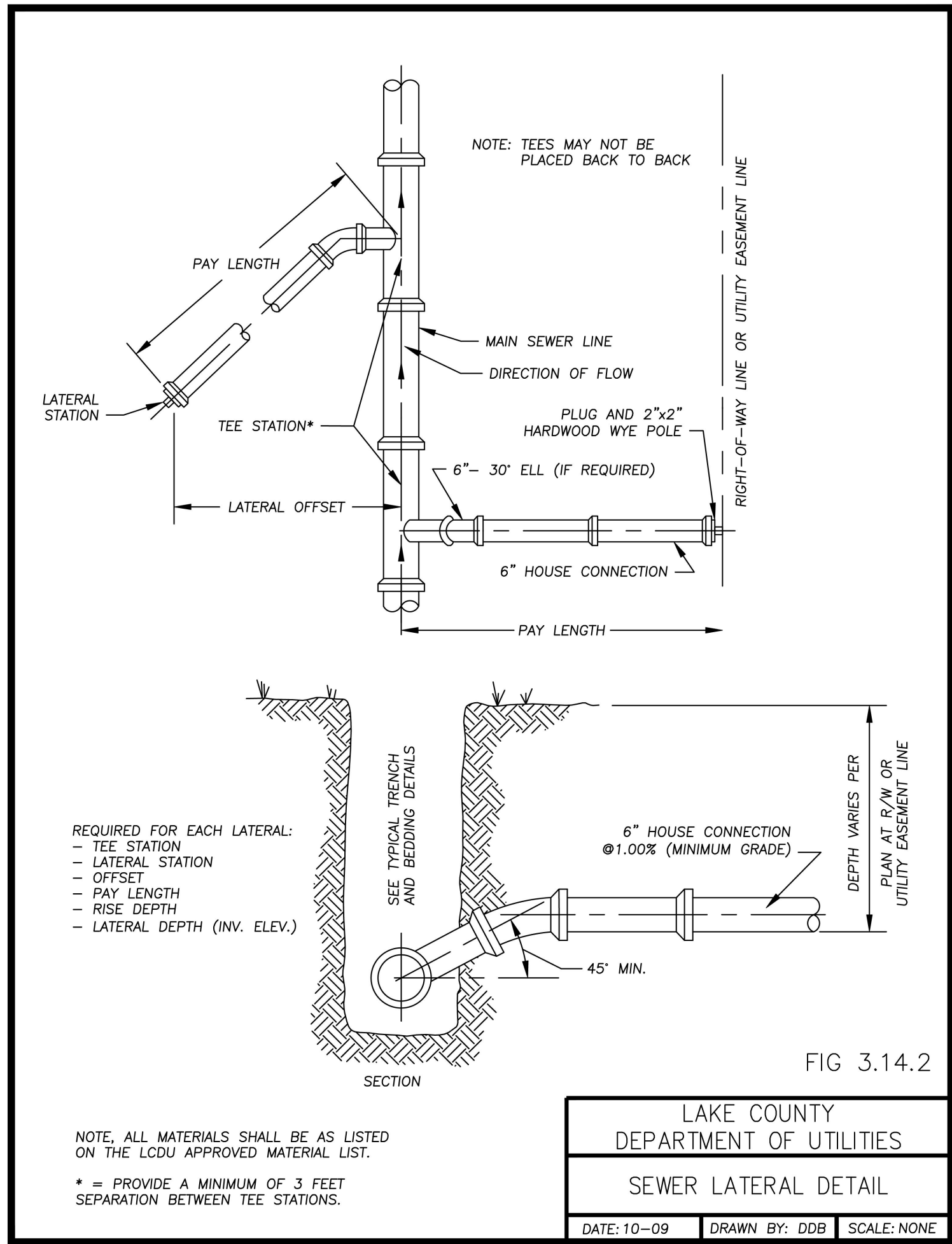
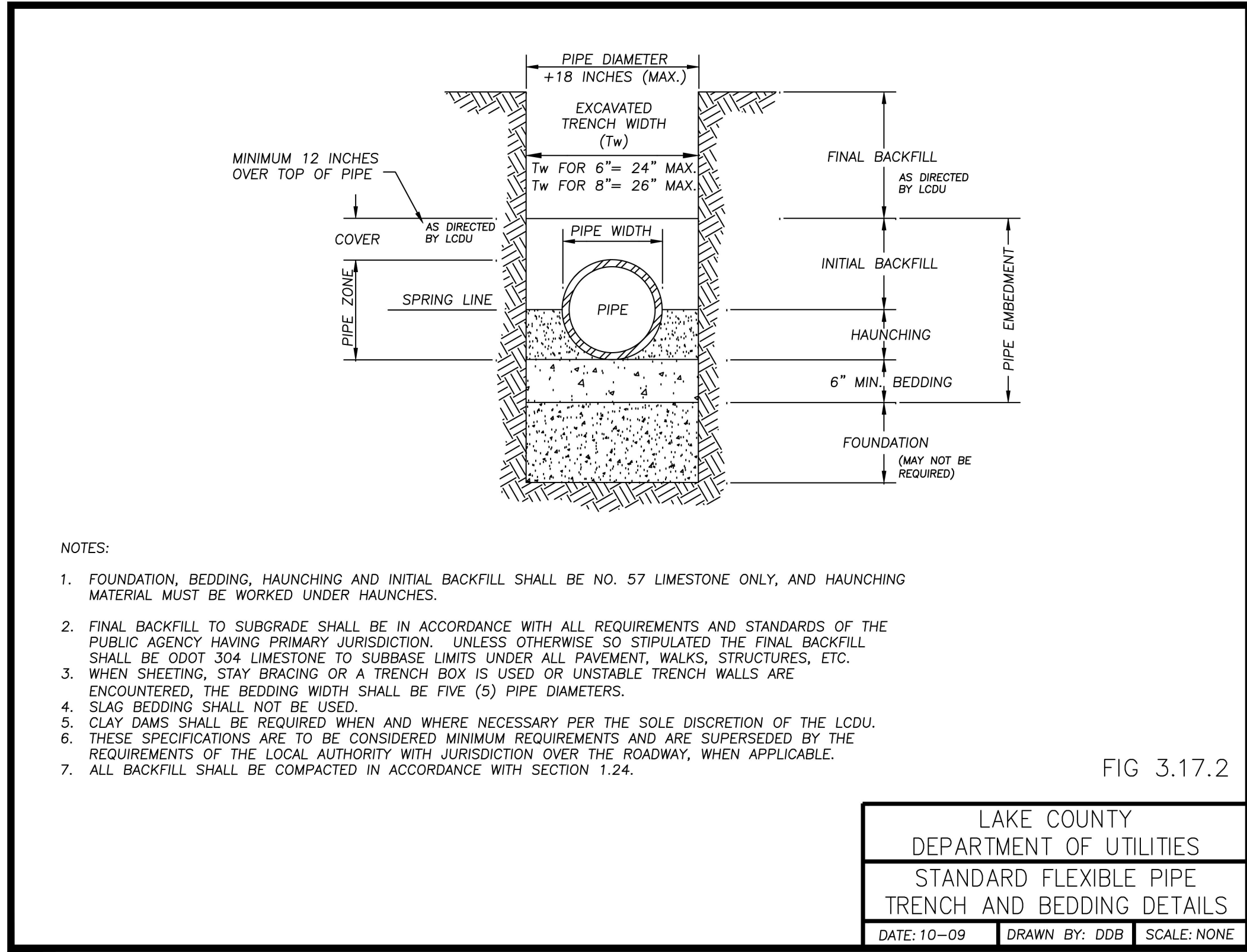
6150 Parkland Blvd.
Suite 115
Mayfield Heights, OH 44124
Ph: 440.544.1555
www.cecinc.com

CEL
Civil & Environmental
Consultants, Inc.

REVISION RECORD

NO	DATE	DESCRIPTION
1	04/2025	REVISION PER ADDENDUM 1

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REVISION RECORD	
NO	DATE
1	04/2025

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Suite 115
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CEC
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Consultants, Inc.

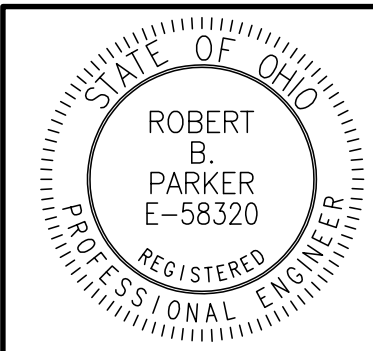
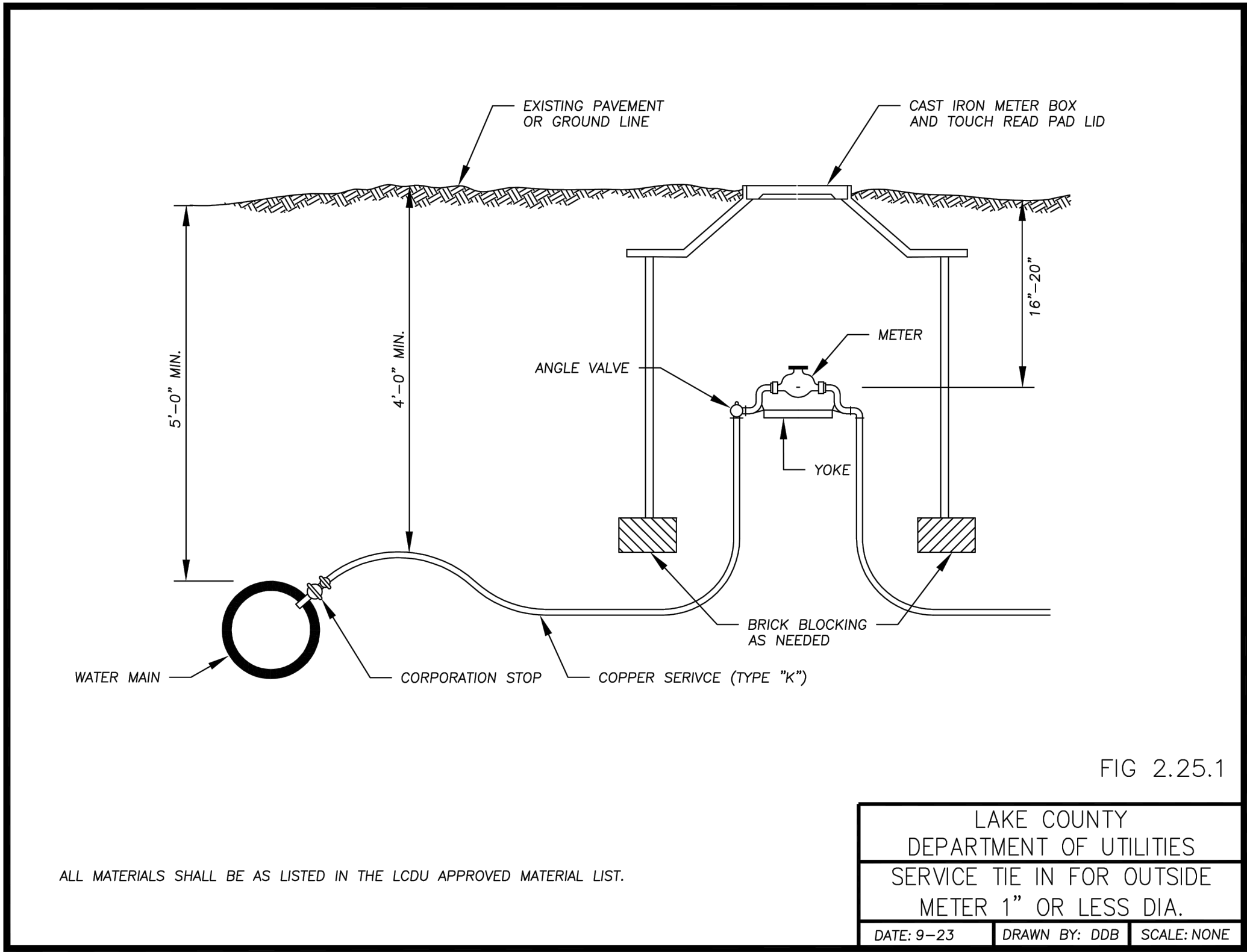
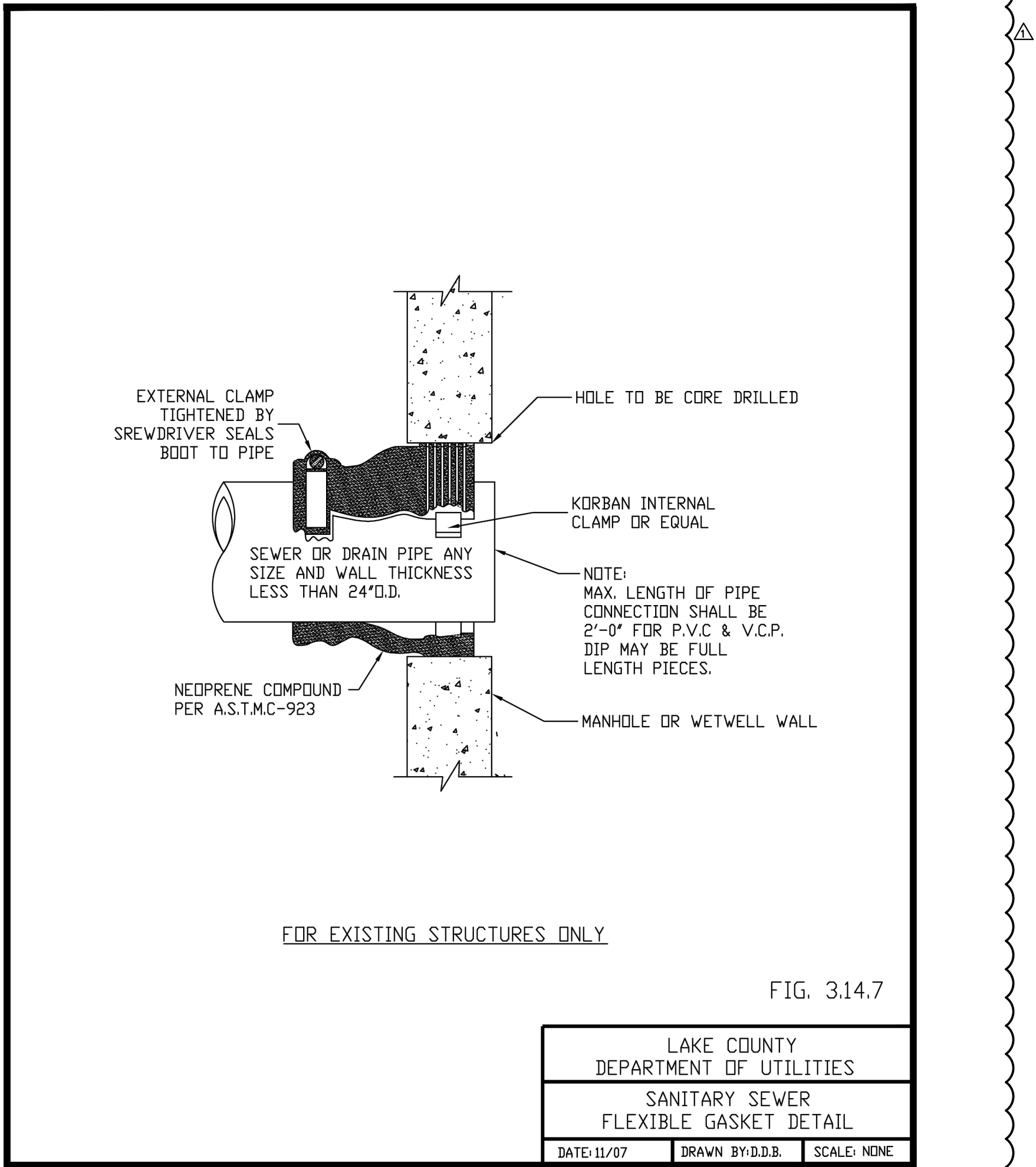
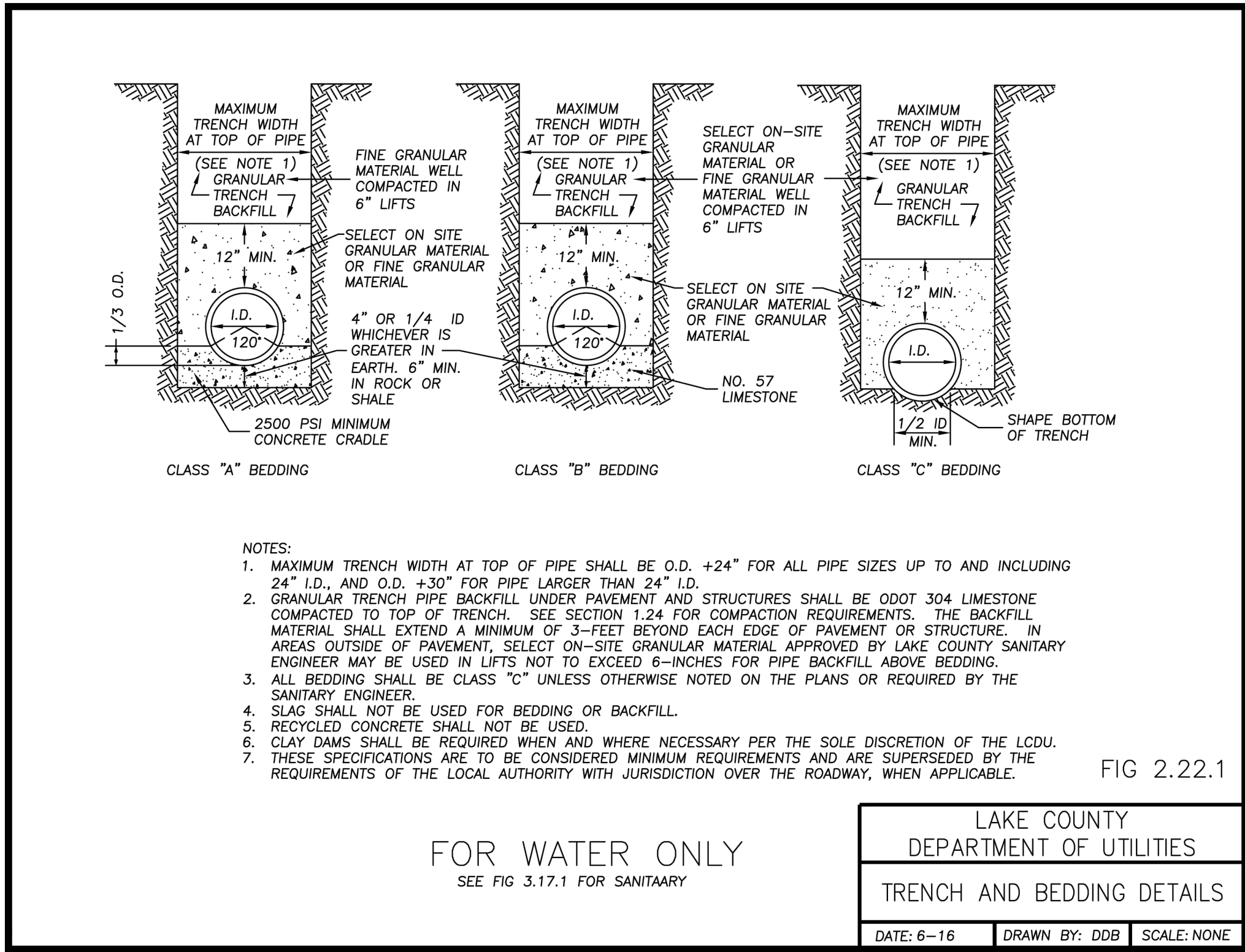
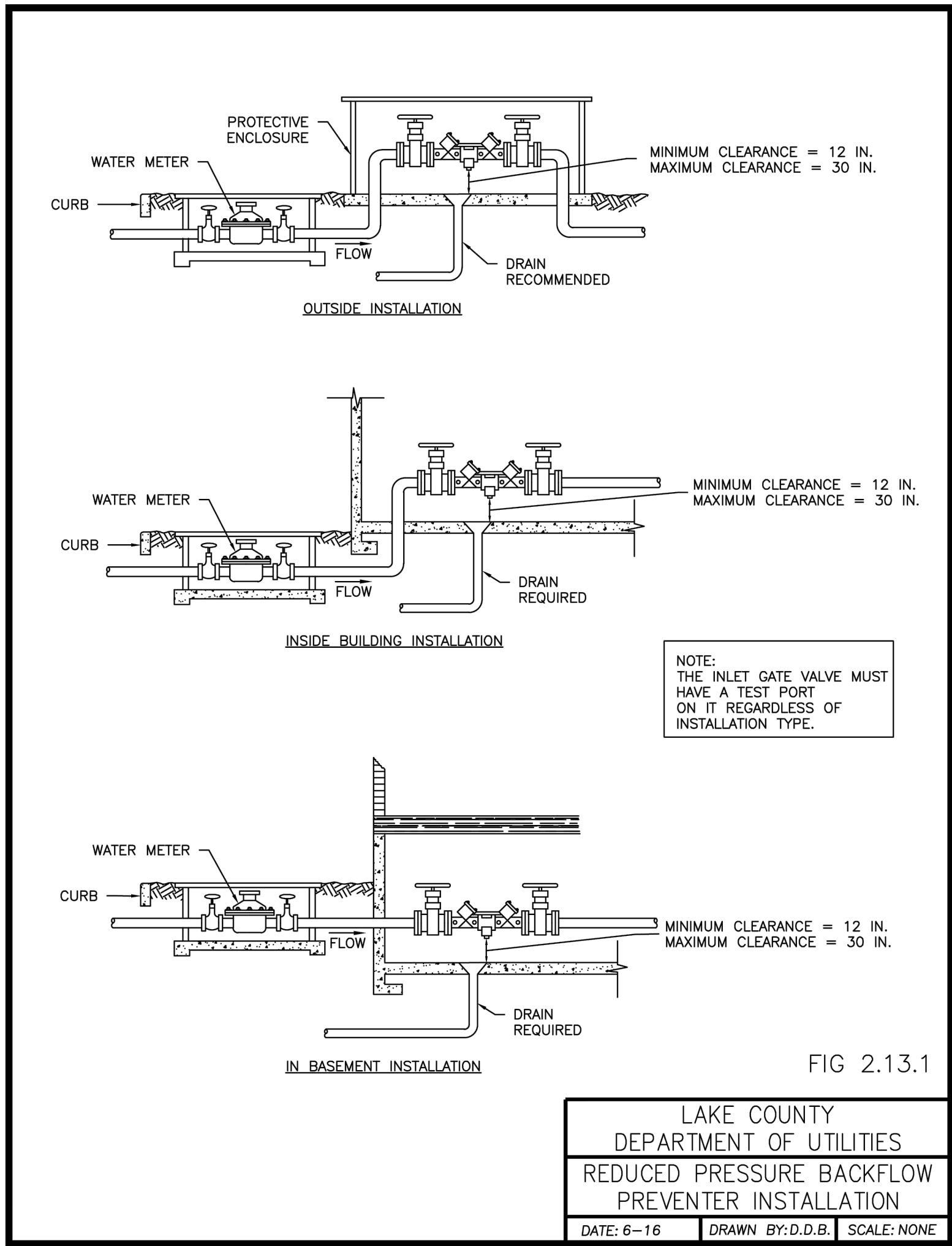
ARCOLA CREEK PARK
SITE IMPROVMENTS
LAKE METROPARKS
LAKE COUNTY, OHIO

GENERAL DETAILS	
DATE:	JAN. 2025
DWG SCALE:	AS NOTED
PROJECT NO:	347-085
APPROVED BY:	RBP

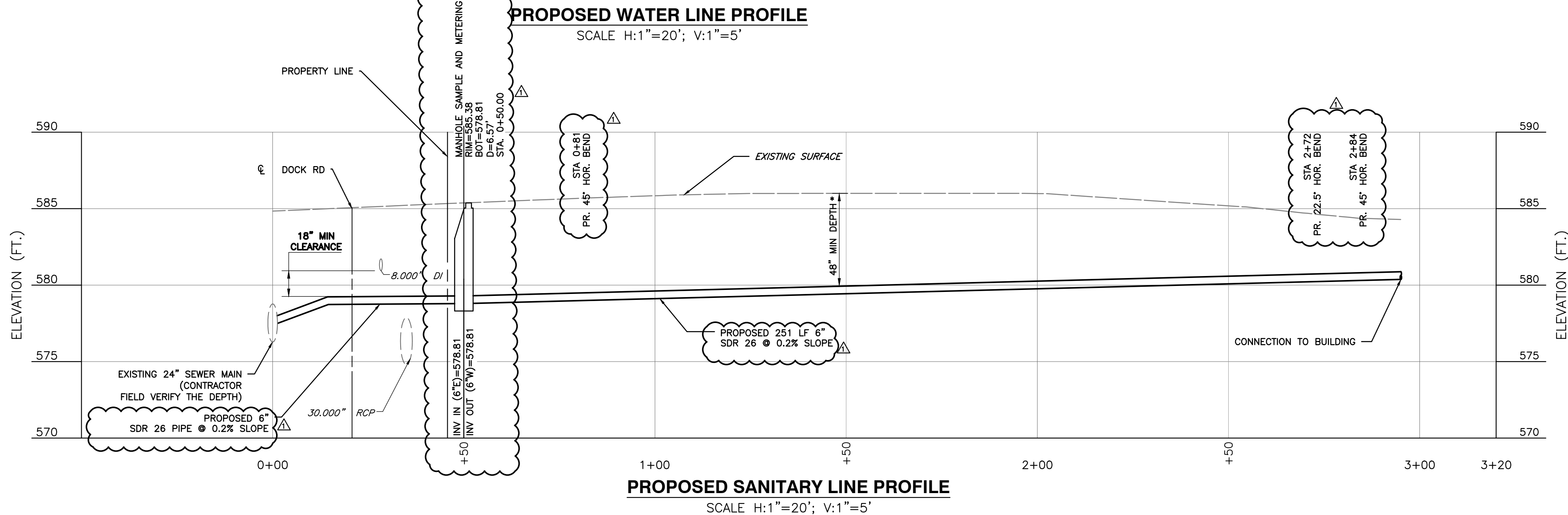
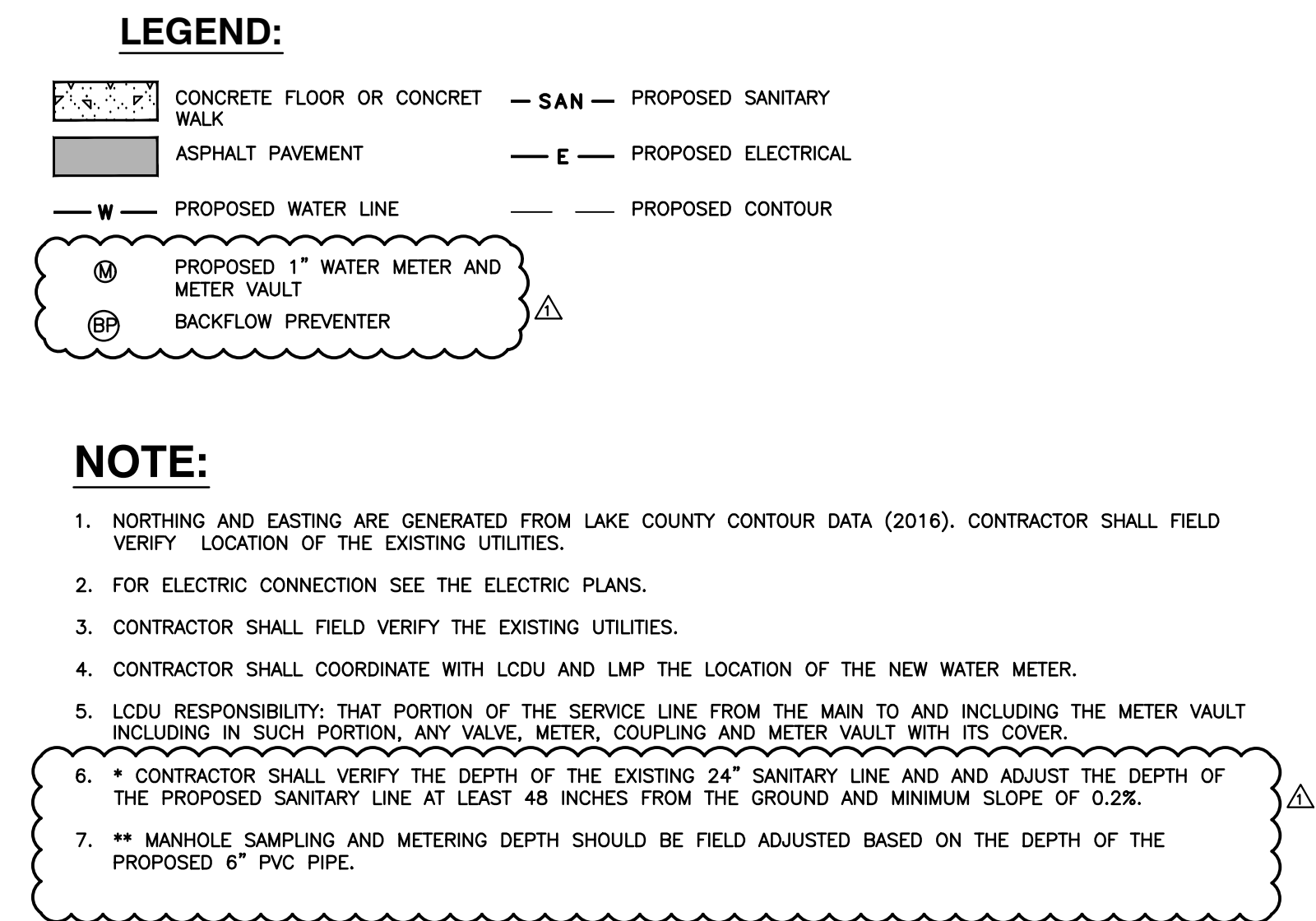
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GENERAL DETAILS				ARCOLA CREEK PARK SITE IMPROVMENTS				LAKE METROPARKS LAKE COUNTY, OHIO				6150 Parkland Blvd. Suite 115 Mayfield Heights, OH 44124 Ph: 440.544.1555 www.cecinc.com				Civil & Environmental Consultants, Inc.								REVISION RECORD			
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SHEET		11A		OF		17		RBP		347-086		APPROVED BY:															



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WATERLINE AND SANITARY SEWER PLAN & PROFILE		ARCOLA CREEK PARK SITE IMPROVMENTS		 Civil & Environmental Consultants, Inc.		6150 Parkland Blvd. Suite 115 Mayfield Heights, OH 44124 Ph: 440.544.1555 www.cecinc.com		REVISION RECORD	
DATE:	JAN. 2025	DRAWN BY:	GCL	NO.	DATE	REVISION PER	APPENDIX	DESCRIPTION	
DWG SCALE:		AS NOTED	GCL	1	04/2025	REVISION PER	APPENDIX 1		
PROJECT NO:		CHECKED BY:	347-085						
APPROVED BY:		RBP							

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