

CITY OF FENTON GENESEE COUNTY, MICHIGAN MILLPOND PARK PLAZA

CITY OF FENTON CITY COUNCIL

SUE OSBORN
• MAYOR •

PATRICIA LOCKWOOD
• MAYOR PRO-TEM •

D. SKIP BANCROFT
TRACY BOTTECELLI
DAVID MCDERMOTT
SEAN SAGE

MARK SUCHOWSKI
• COUNCIL MEMBERS •

LYNN MARKLAND
• CITY MANAGER •

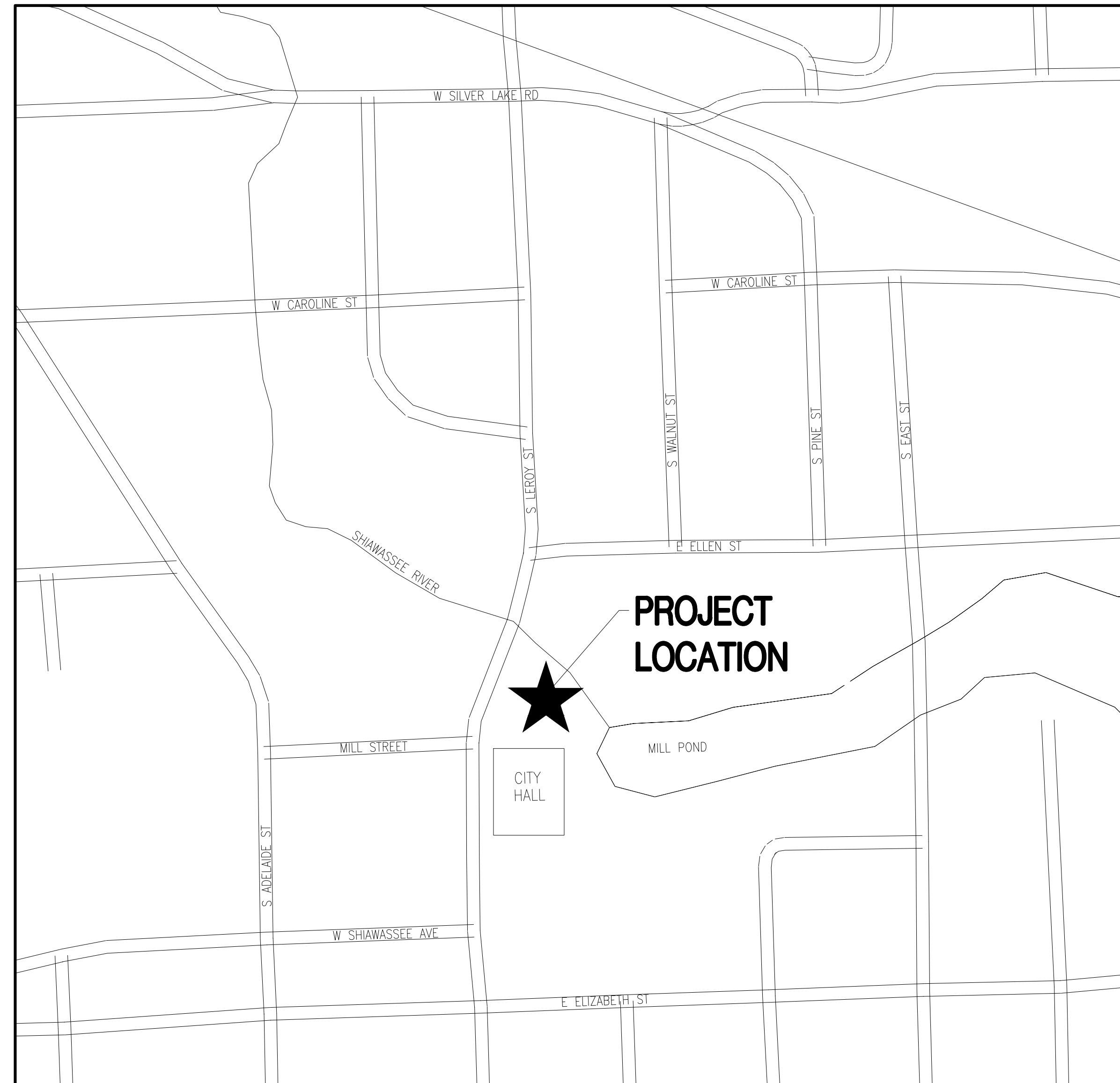
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
C-110	EXISTING CONDITIONS PLAN
C-120	REMOVAL PLAN
C-170	GRADING PLAN
C-701	SOIL EROSION AND SEDIMENT CONTROL PLAN
L-001	LANDSCAPE NOTES
L-200	MATERIALS PLAN
L-300	LAYOUT PLAN
L-400	PLANTING PLAN
L-500	IRRIGATION PLAN
L-600	PLANTING DETAILS
L-601	PLANTING AND HARDSCAPE DETAILS
L-602	LANDSCAPE WALL DETAILS
L-603	FENCE & RAILING DETAILS
E-001	ELECTRICAL NOTES AND SYMBOLS
ED-101	ELECTRICAL SITE DEMOLITION PLAN
ES-101	ELECTRICAL SITE PLAN
E-601	ELECTRICAL DETAILS AND SCHEDULES
S-100	SITE
S-200	PROFILE
S-300	SECTION
S-400	DECK PLAN
S-500	DECK DETAILS

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAMS GUIDELINES FOR GEOMETRICS DATED 7-24-2017.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE CITY OF FENTON WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACTS 173 & 174 OF THE P.A. OF 2013, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. PHONE (800) 482-7171 (OR 811). UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE CITY OF FENTON.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.



LOCATION MAP
N.T.S.

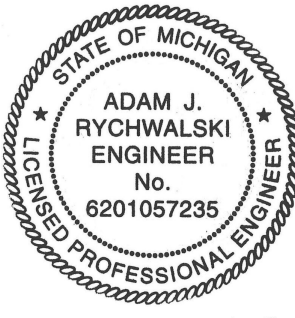




APPLICATION DATE	PERMITS	APPROVAL DATE
	GCDC SOIL EROSION (NPDES) PERMIT	
	EGL E PARTS 301, 315, & 31 PERMIT	

CONTRACT FOR: REDEVELOPMENT OF THE PARK SPACE ADJACENT TO CITY HALL, INCLUDING GRADING, SEAT AND RETAINING WALLS, CONCRETE PAVING, AND ASSOCIATED LANDSCAPE PLANTINGS.



112 E. ELLEN ST., SUITE A
FENTON, MI 48430
T: 810.396.4015

<p>I CERTIFY THAT THE STRUCTURAL PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.</p> <div style="text-align: center;">  <i>Adam J. Rychwalski</i> 4/29/2026 </div>	<p>I CERTIFY THAT THE LANDSCAPE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.</p> <div style="text-align: center;">  <i>Benjamin M. Weaver</i> 4/29/2026 </div>	<p>I CERTIFY THAT THE ELECTRICAL PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.</p> <div style="text-align: center;">  <i>Theodore M. Cogswell</i> 4-24-26 </div>
--	---	--

REVISIONS

PROJECT NO. 0077-24-0110	SHEET NO. 0
-----------------------------	----------------

JOB BENCHMARK #200
MAGNAIL IN FACE OF UTILITY POLE.
ELEV. 890.69

JOB BENCHMARK #201
1/2" CHISELED IN CONCRETE LIGHT POLE
BASE.
ELEV. 889.95

TRAVERSE POINT #106
N 472332.90
E 13300959.26 ELEV. 897.07

BENCHMARK ELEVATIONS NOTE:
BENCHMARK ELEVATIONS SHOWN ON
THESE PLANS ARE BASED ON
NAVD88 DATUM.

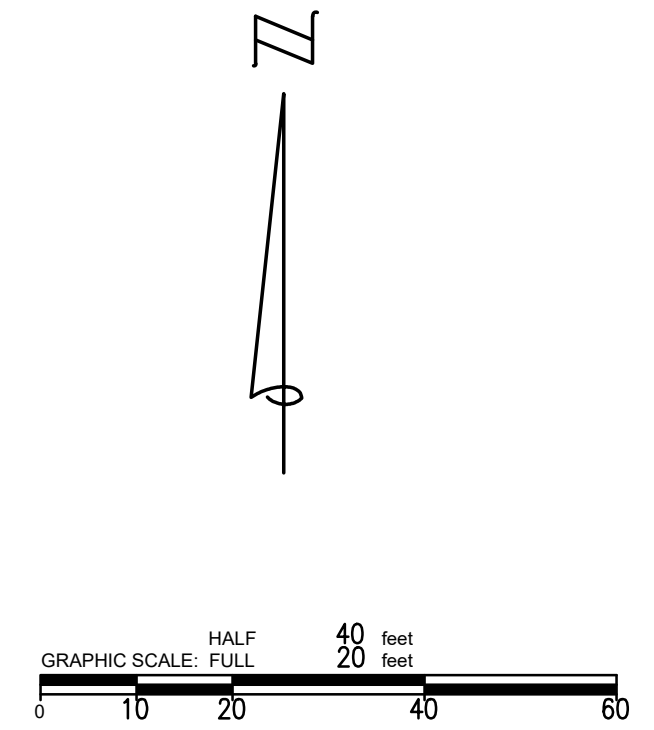
FLOODPLAIN NOTE:
FLOODPLAIN LOCATED ON SITE PER FEMA
PANEL 26049C0437D DATED 09/25/2009
(ZONE AE), FLOOD ELEV.-889.3

WETLAND NOTE:
NO WETLAND FOUND ON SITE

ZONING:
PC - PARKS AND CEMETERIES



112 E. ELLEN ST., SUITE A
FENTON, MI 48430
T: 810.396.4015



NOTES:

- EXISTING CONDITIONS ARE PRESENTED BASED ON TOPOGRAPHIC SURVEY BY OHM ADVISORS. ALL EXISTING INFORMATION PRESENTED IN THESE PLAN SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES IN THE PLAN SHALL BE MADE AWARE TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- ONE-CALL UTILITY LOCATING: MISSDIG - 811 OR 800-482-7171. CONTRACTOR SHALL OPEN AN EXCAVATION TICKET A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY EXCAVATION. WHEN MARKINGS AND FLAGS ARE DISRUPTED OR DESTROYED - CALL FOR REMARKING.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND LIMITED MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF DISCREPANCIES IN THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE LOCATION OR DEPTH OF ANY EXISTING UTILITY SHOWN OR NOT SHOWN ON THE PROJECT DRAWINGS.



ISSUED FOR:	BID DOCUMENTS	DATE
REVISION	DESCRIPTION	

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
EXISTING CONDITIONS PLAN

C-110

DRAWING PATH: P:\0000_0100\00724010_Mill_Pond_Plaza\Drawings\S&S\Sheets\C-110\0101.dwg, April 29, 2025 - 11:56 AM

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

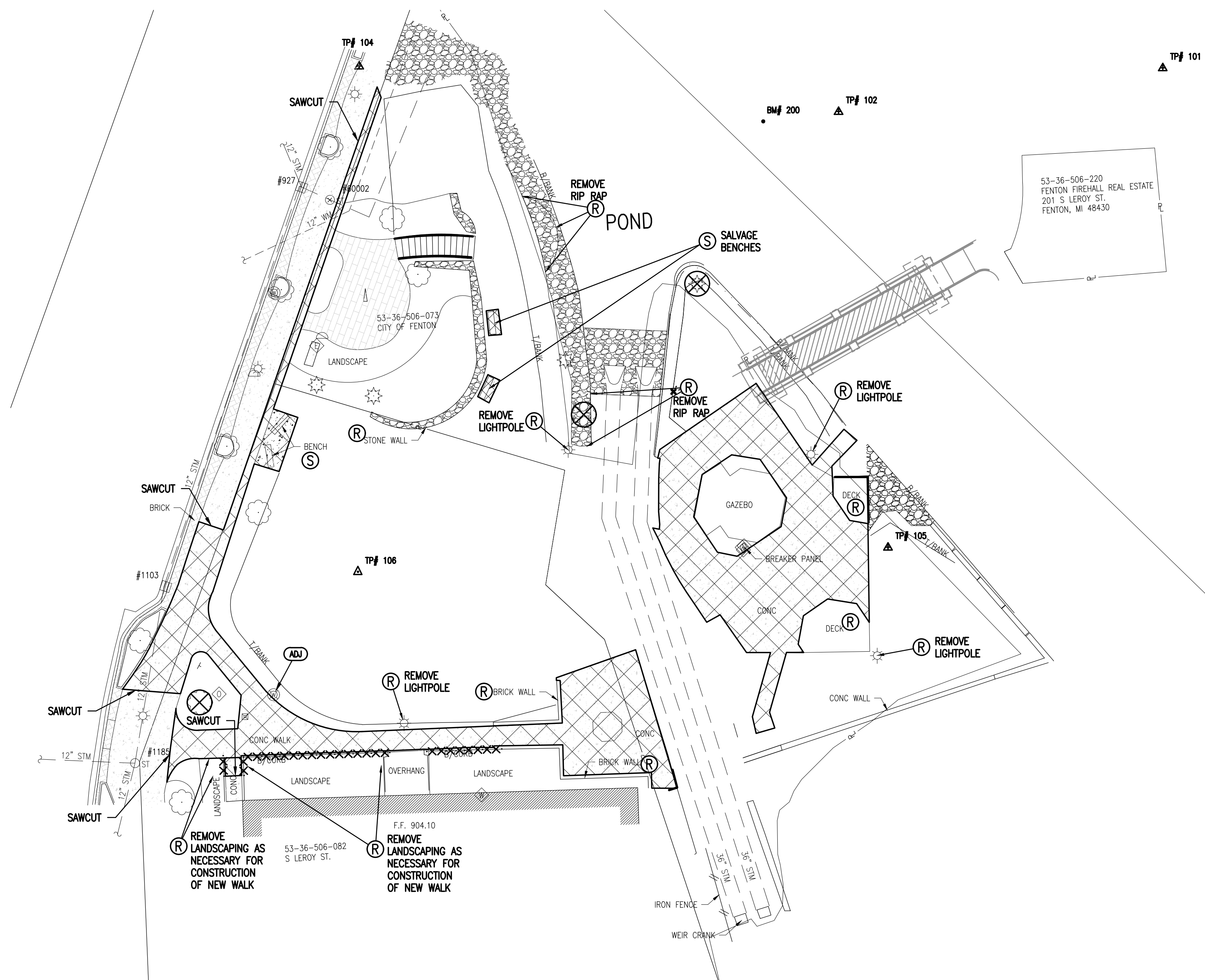
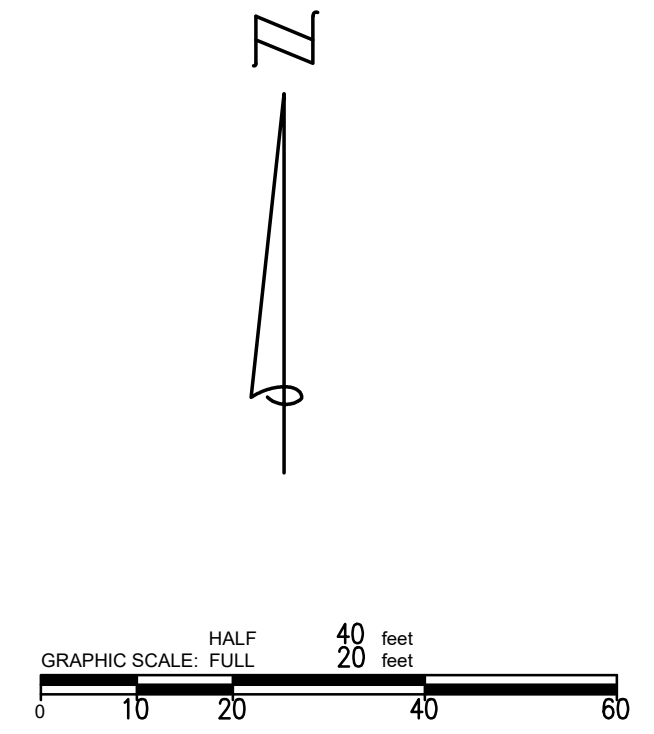
JOB BENCHMARK #200
MAGNAIL IN FACE OF UTILITY POLE.
ELEV. 890.69

JOB BENCHMARK #201
"X" CHISELED IN CONCRETE LIGHT POLE
BASE.
ELEV. 889.95

TRAVERSE POINT #106
N 472332.90
E 13300959.26 ELEV. 897.07



112 E. ELLEN ST., SUITE A
FENTON, MI 48430
T: 810.396.4015



LEGEND

	SIDEWALK/CONCRETE REMOVAL
	CURB AND GUTTER REMOVAL
	ADJUST
	RELOCATE
	REMOVE
	REMOVE BY OTHERS
	SALVAGE
	TREE REMOVAL

- ALL DEMOLITION SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
- STAGING AND PHASING OF DEMOLITION AND CONSTRUCTION SHALL BE COORDINATED WITH OWNER PRIOR TO WORK BEGINNING.
- SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY DEMOLITION WORK COMMENCING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE CLEAN-UP, NOISE CONTROL, DUST CONTROL, AND STREET/PARKING LOT SWEEPING AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- ONE-CALL UTILITY LOCATING: MISSDIG - 811 OR 800-482-7171. CONTRACTOR SHALL OPEN AN EXCAVATION TICKET A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY EXCAVATION. WHEN MARKINGS AND FLAGS ARE DISRUPTED OR DESTROYED - CALL FOR REMARKING.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND LIMITED MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF DISCREPANCIES IN THE PLANS. THE CONTRACTOR SHALL VERIFY THE DEPTH OF ELECTRICAL CONDUIT BEFORE SCARIFYING GRAVEL SURFACE AND PROTECT IN PLACE DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY ELECTRICAL CONDUIT DAMAGED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE LOCATION OR DEPTH OF ANY EXISTING UTILITY SHOWN OR NOT SHOWN ON THE PROJECT DRAWINGS.
- ALL TREES LARGER THAN 6" DIA. WITHIN THE CONSTRUCTION AREAS SHALL BE PROTECTED FROM DAMAGE, UNLESS IDENTIFIED FOR REMOVAL. TREES IDENTIFIED FOR REMOVAL SHALL INCLUDE THE COMPLETE REMOVAL OF THE STUMP AT NO ADDITIONAL COST TO THE OWNER.
- ALL PAVEMENT TO BE REMOVED SHALL BE SAW CUT TO THE FULL DEPTH TO PROVIDE A SMOOTH VERTICAL EDGE AND TO PROTECT ADJACENT SURFACES FROM DAMAGE.
- TOPSOIL STRIPPING
 - STRIP THE FULL DEPTH OF TOPSOIL ONLY FROM THOSE AREAS THAT WILL BE DISTURBED BY EXCAVATION, FILLING, CONSTRUCTION, OR COMPACTION BY EQUIPMENT.
 - STOCKPILE TOPSOIL WITHOUT INTERMIXING WITH ANY OTHER MATERIAL - BORROW TOPSOIL TO REPLACE MATERIAL CONTAMINATED BY THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
 - TEMPORARY STABILIZATION OF THE STOCKPILE(S) SHALL BE COMPLETED WITHIN SEVEN (7) DAYS OF THE FORMATION OF THE STOCKPILE, IF IT IS TO REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN THIRTY (30) DAYS.
- TEMPORARY STOCKPILES: PROTECTIVE MEASURES SHALL BE INCORPORATED BY THE CONTRACTOR TO ENSURE SAFETY AND CONTROL EROSION ASSOCIATED WITH THE TEMPORARY STOCKPILES.
- DISPOSAL: ALL DEMOLITION AND REMOVED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OFF-SITE IN ACCORDANCE TO ALL FEDERAL, STATE, AND LOCAL HAULING AND DISPOSAL REGULATIONS UNLESS DIRECTED OTHERWISE BY THE OWNER. DISPOSAL IN WETLANDS AND FLOODPLAINS IS PROHIBITED. BURNING ON-SITE IS PROHIBITED.



Know what's below.
Call before you dig.

ISSUED FOR: BID DOCUMENTS
REVISION: DESCRIPTION

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
REMOVAL PLAN

C-120

DRAWING PATH: P:\0000_010000724010_MILLPOND_PARK_PlazaDrawings\Sub\Sheets\C-120\REMOVAL.dwg, April 23, 2025 - 11:56 AM

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.

JOB BENCHMARK #200
MAGNAIL IN FACE OF UTILITY POLE.
ELEV. 890.69

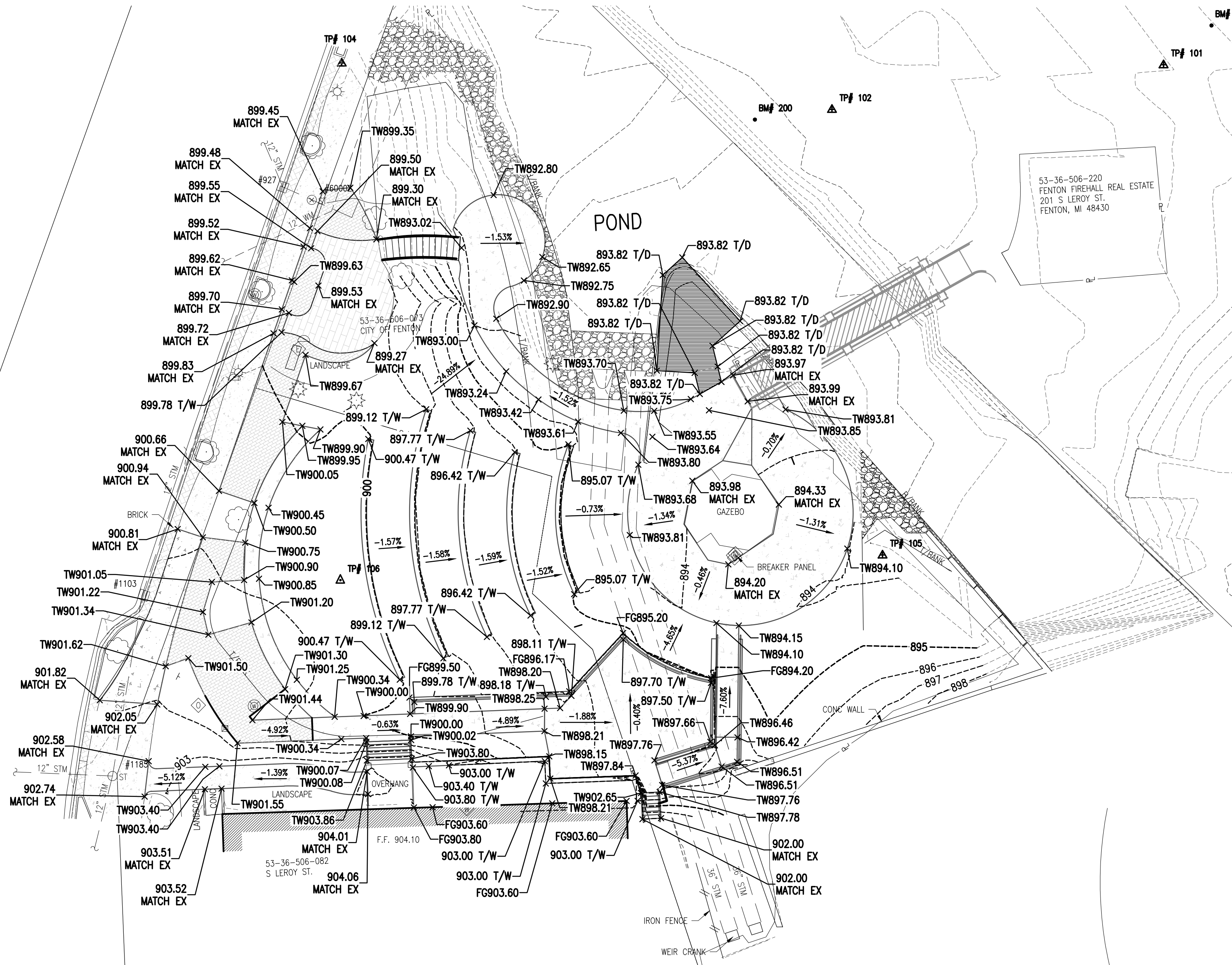
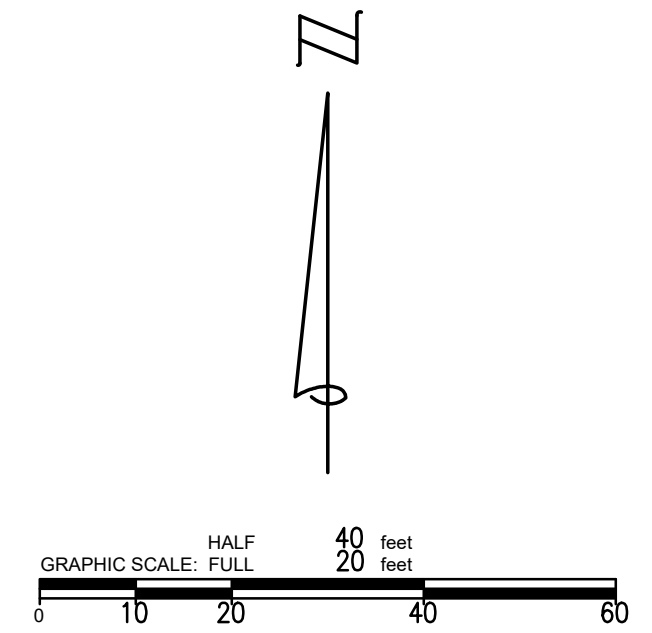
JOB BENCHMARK #201
"X" CHISELED IN CONCRETE LIGHT POLE
BASE.
ELEV. 889.95

TRAVERSE POINT #106
N 472332.90
E 13300959.26 ELEV. 897.07

BENCHMARK ELEVATIONS NOTE:
BENCHMARK ELEVATIONS SHOWN ON
THESE PLANS ARE BASED ON
NAVD88 DATUM.



112 E. ELLEN ST., SUITE A
FENTON, MI 48430
T: 810.396.4015



LEGEND

- PROPOSED PAVERS
- PROPOSED SIDEWALK
- PROPOSED DECK

- FF FINISHED FLOOR
- EX EXISTING
- FG FINISH GRADE / SURFACE (NON-PAVED AREA)
- HP HIGH POINT
- T/CAST TOP OF STRUCTURE CASTING
- TP TOP OF PAVEMENT
- TC TOP OF CURB
- TW TOP OF WALK
- T/W TOP OF WALL
- T/PAD TOP OF PAD
- T/D TOP OF DECK

- FG 749.25 PROPOSED SPOT GRADE
- HP PROPOSED HIGH POINT/GRADE BREAK
- PROPOSED DRAINAGE FLOW ARROW

- 895 - 892 PROPOSED CONTOUR
- 895 - 894 EXISTING CONTOUR

ISSUED FOR: BID DOCUMENTS
REVISION: DESCRIPTION

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
GRADING PLAN



Know what's below.
Call before you dig.

C-170

DRAWING PATH: P:\000_01000724010_Mill_Park_Plaza\Drawings\SS\Sheets\0110\GRD.dwg, April 29, 2026 - 11:57 AM

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

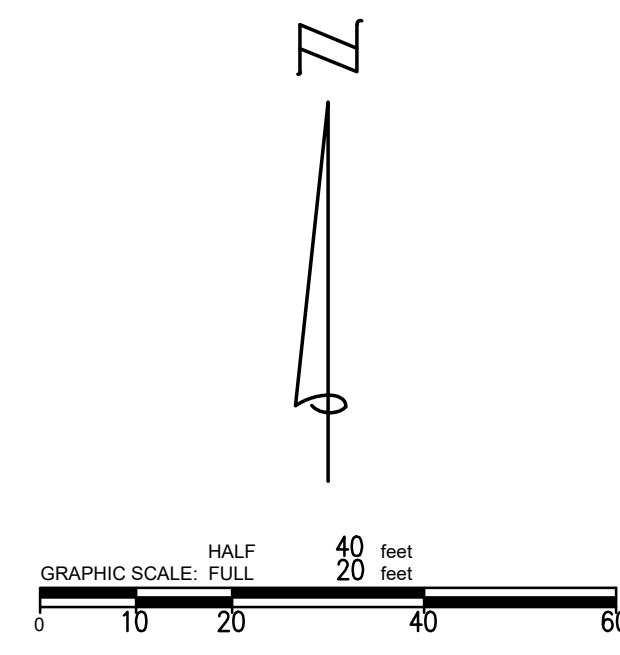
JOB BENCHMARK #200
MAGNAIL IN FACE OF UTILITY POLE.
ELEV 890.69

JOB BENCHMARK #201
"X" CHISELED IN CONCRETE LIGHT POLE
BASE.
ELEV 889.95

TRAVERSE POINT #106
N 472332.90
E 13300959.26 ELEV 897.07



112 E. ELLEN ST., SUITE A
FENTON, MI 48430
T: 810.396.4015



LEGEND

	PROPOSED CONCRETE PAVEMENT/SIDEWALK
	PROPOSED PAVERS
	PROPOSED RIPRAP, PLAIN
	PROPOSED CATCHBASIN
	PROPOSED END SECTION
	LIMITS OF DISTURBANCE

MAINTENANCE NOTES

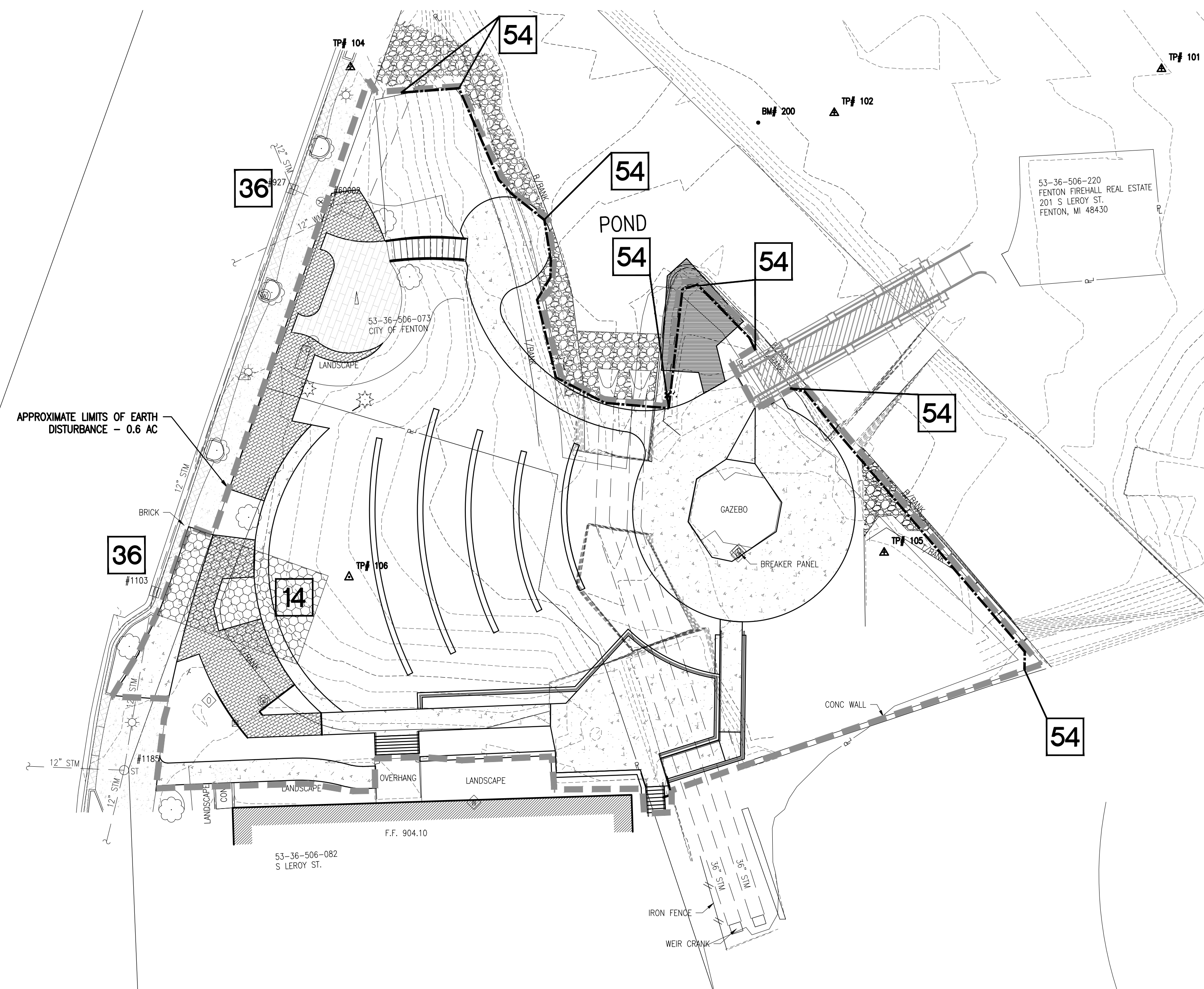
- SOIL STOCKPILES**
PERIODIC INSPECTIONS SHOULD BE DONE TO ENSURE EXCESSIVE EROSION HAS NOT OCCURRED. IF RUNOFF OR WIND EROSION HAS OCCURRED, REDUCE THE SIDE SLOPES OF THE SPOIL PILE, OR RE-STABILIZE THE STOCKPILE BY PROVIDING TEMPORARY SEEDING. WHEN FILTER FENCING IS USED AROUND A SPOIL PILE, PERIODIC CHECKS SHOULD BE MADE TO ENSURE THAT PIPING HAS NOT OCCURRED UNDER THE FENCING, AND TO ENSURE THE FENCE HAS NOT COLLAPSED DUE TO SOIL SLIPPAGE OR ACCESS BY CONSTRUCTION EQUIPMENT. REPAIR ANY DAMAGED FENCING IMMEDIATELY. BERMS AT THE BASE OF THE SPOIL PILE WHICH BECOME DAMAGED SHOULD BE REPLACED.
- DUST CONTROL**
TO PREVENT DUST FROM BECOMING A PUBLIC NUISANCE AND CAUSING OFF-SITE DAMAGES, DUST CONTROL SHOULD BE ONGOING DURING EARTH CHANGE ACTIVITIES.
- SILT FENCE**
SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. SILT FENCES SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND SEVERAL TIMES DURING PROLONGED RAINFALLS. IF THE FENCE IS SAGGING OR THE SOIL HAS REACHED ONE HALF (1/2) THE HEIGHT OF THE FABRIC, THE SOIL BEHIND THE FABRIC MUST BE REMOVED AND DISPOSED OF IN A STABLE UPLAND SITE. THE SOIL CAN BE ADDED TO THE SOIL STOCKPILE. IF THE FABRIC IS BEING UNDERCUT (I.E. IF WATER IS SEEPING UNDER THE FENCE), THE FENCE SHOULD BE REMOVED AND REINSTALLED FOLLOWING THE PROCEDURES GIVEN ABOVE. FABRIC WHICH DECOMPOSES OR OTHERWISE BECOMES INEFFECTIVE SHOULD BE REMOVED AND REPLACED WITH NEW FILTER FABRIC IMMEDIATELY. SILT FENCES SHOULD BE REMOVED ONCE VEGETATION IS WELL ESTABLISHED AND THE UP-SLOPE AREA IS FULLY STABILIZED.
- INLET FILTERS**
PERIODIC INSPECTIONS SHOULD BE DONE TO ENSURE THAT THE INTEGRITY OF THE GEOTEXTILE FILTER IS MAINTAINED. THE FABRIC SHALL BE REMOVED AND REPLACED SHOULD IT BECOME SEDIMENT LADEN. THE INLET GEOTEXTILE FILTER SHALL BE REMOVED AFTER THE ESTABLISHMENT OF FINAL GRADE AND PRIOR TO PAVEMENT INSTALLATION.
- SEEDING**
NEWLY SEEDED AREAS NEED TO BE INSPECTED FREQUENTLY FOR THE FIRST FEW MONTHS TO ENSURE THE GRASS IS GROWING. IF THE SEEDED AREA IS DAMAGED DUE TO RUNOFF, ADDITIONAL STORM WATER MEASURES MAY BE NEEDED. SPOT SEEDED CAN BE DONE ON SMALL AREAS TO FILL IN BARE SPOTS WHERE GRASS DIDN'T GROW PROPERLY.
- MULCHING**
MULCHED AREAS SHOULD BE CHECKED FOLLOWING EACH RAIN TO ENSURE THE MULCH IS STAYING IN PLACE. ADDITIONAL TACKING MATERIALS OR NETTING MAY NEED TO BE APPLIED TO HOLD THE MULCH IN PLACE.
- STREET MAINTENANCE**
CONTRACTOR SHALL SCRAPE ALL PUBLIC ROADS AT LEAST ON A DAILY BASIS. IN ADDITION, CONTRACTOR SHALL PROVIDE SWEEPING OF PUBLIC ROADS AT LEAST ON A WEEKLY BASIS.

SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE

IN ACCORDANCE WITH RULE 1709 PROMULGATED UNDER THE AUTHORITY OF PART 91, SOIL EROSION AND SEDIMENTATION CONTROL, OF THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT, 1994 PA 451, AS AMENDED, AND IN ADDITION TO THE INFORMATION IN THE PROJECT PLANS AND SPECIFICATIONS, THE FOLLOWING GENERAL CONDITIONS APPLY TO THE EARTH CHANGE AUTHORIZED BY THIS DOCUMENT:

- DESIGN, CONSTRUCT, AND COMPLETE THE EARTH CHANGE IN A MANNER THAT LIMITS THE EXPOSED AREA OF DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME.
- REMOVE SEDIMENT CAUSED BY ACCELERATED SOIL EROSION FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.
- TEMPORARY OR PERMANENT CONTROL MEASURES SHALL BE DESIGNED AND INSTALLED TO CONVEY WATER AROUND, THROUGH OR FROM THE EARTH CHANGE AT A NON-EROSIVE VELOCITY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING LANDSCAPING DURING THE WARRANTY PERIOD. AFTER THE WARRANTY HAS EXPIRED, THE PERMANENT SESC MEASURES WILL BE MAINTAINED BY THE OWNER'S REPRESENTATIVE AS APPROPRIATE.

USGS SOIL ABBREVIATION	SOIL DESCRIPTION
BrA	BOYER LOAMY SAND, 0 TO 2 PERCENT SLOPES



SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

7		Effective on large areas. Match tacking agent used to provide immediate protection until grass is rooted. Should include prepared topsoil bed.	PERMANENT MEASURE
13		Used where vegetation is not easily established. Effective for high velocities or high concentrations. Permits runoff to infiltrate soil. Dissipates energy flow at system outlets.	PERMANENT MEASURE
14		Tracking Mat - replenish stone as required due to rutting. 1" - 3" crushed concrete 8" thick on geo-fabric. 30' wide by 50' long. Temporary measure, remove after completion of construction.	TEMPORARY MEASURE
36		Collects high velocity concentrated runoff. Use filter cloth over inlet. (Att. SSI-Ssk tm.)	TEMPORARY MEASURE
54		Filters and detains runoff. Shown on plan as	TEMPORARY MEASURE

NOTE: ALL SESC MEASURES TO BE INSTALLED/PLACED IN ACCORDANCE WITH THE GENESSEE COUNTY DRAIN COMMISSION SESC STANDARD SPECIFICATIONS AND DETAILS

SOIL EROSION AND SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY EROSION CONTROL MEASURES												
CLEARING & TREE REMOVAL												
STRIP & STOCKPILE TOPSOIL / GRADING												
SITE CONSTRUCTION												
PERMANENT EROSION CONTROL MEASURES												
FINISH GRADING, LANDSCAPING & RESTORATION												
SOIL STABILIZATION AND CLEAN UP												

SOIL EROSION AND SEDIMENTATION CONTROL MAINTENANCE SCHEDULE

TASK	FREQUENCY	TRACKING MAT	SILT FENCE	VEGETATION	INLET FILTERS	DETENTION
INSPECT FOR SEDIMENT ACCUMULATION	WEEKLY	X	X		X	X
REMOVE ACCUMULATED SEDIMENT	AS NEEDED		X		X	X
INSPECT FOR FLOATABLES AND DEBRIS	WEEKLY				X	X
REMOVE FLOATABLES AND DEBRIS	AS NEEDED				X	X
INSPECT FOR PERMIT CONFORMANCE	AFTER RAIN	X	X		X	
RESTORE TO PERMIT CONFORMANCE	AS NEEDED	X	X		X	
INSPECT FOR SOIL EROSION	AFTER RAIN			X		
RESTORE TO PREVENT EROSION	AS NEEDED			X		
SCRAPE STREET/DRIVES	DAILY					
SWEEP STREET/DRIVES	WEEKLY					

DRAWING PATH: P:\0000_01000724010_010_Plan_Park_Plandraining\SSC\Sheet240110SEC.dwg, Apr 23, 2025 - 11:57 AM

ISSUED FOR: BID DOCUMENTS
REVISION: _____
DATE: 2026/04/24

PROJECT NUMBER: PM-0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA

SOIL EROSION AND SEDIMENT CONTROL PLAN



Know what's below.
Call before you dig.

C-701

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

GENERAL NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH ALL DOCUMENTED UNDERGROUND UTILITIES, PIPES AND STRUCTURES. LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION UNLESS OTHERWISE NOTED. CONTACT MISS DIG (811 OR 800-482-7171) A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
4. ALL WORK TO BE PERFORMED BY LICENSED AND INSURED CONTRACTORS AND EXPERIENCED WORKERS.
5. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES (CATCH BASINS, YARD DRAINS, ETC.) AFFECTED BY HIS CONSTRUCTION OPERATIONS CLEAN AND FULLY OPERATIONAL AT ALL TIMES.
7. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE, ANY DAMAGE, WHETHER INSIDE OR OUTSIDE OF THE PROJECT LIMITS, TO UTILITY SYSTEMS, SURFACE PAVEMENTS, FIXTURES, STRUCTURES, AND/OR EXISTING TREES OR LANDSCAPING THAT ARE NOT SPECIFICALLY INDICATED TO BE REMOVED OR RELOCATED AS PART OF THE PROJECT CONSTRUCTION. IN THE EVENT THAT ANY EXISTING DRAINAGE STRUCTURES OR UTILITIES ARE DAMAGED AND THE SERVICES DISRUPTED, THE LINES SHALL BE IMMEDIATELY REPAIRED AND THE SERVICES RESTORED AS DIRECTED BY THE ENGINEER.
8. IN THE EVENT THAT DISCREPANCIES ARISE BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR CONSISTENCY OF THE ANGLE OF THE SCORING PATTERN AND JOINTING PATTERN IN THE CROSSWALKS. THE SCORING PATTERN IS SUBJECT TO THE ENGINEERS APPROVAL.

DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAWFUL DISPOSAL OF ALL WASTE MATERIALS GENERATED DURING DEMOLITION OPERATIONS. ALL ASSOCIATED COSTS FOR DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL SAWCUT FULL DEPTH THE EXISTING CONCRETE AND/OR HMA PAVEMENT TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.
3. THE CONTRACTOR SHALL CONDUCT PAVEMENT REMOVAL OPERATIONS TO INCLUDE ALL ASSOCIATED BASE MATERIALS. THE QUANTITIES SHOWN FOR PAVEMENT REMOVAL ARE ESTIMATED AND THE EXACT MEASUREMENT AND PAYMENT WILL BE VERIFIED DURING CONSTRUCTION.
4. ALL SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES AND TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR SHALL CONFORM TO PART 91 OF ACT 451 OF 1994 OF THE STATE OF MICHIGAN; SOIL EROSION AND SEDIMENTATION CONTROL, AND ALL LOCAL ORDINANCE(S) FOR SOIL EROSION AND SEDIMENTATION CONTROL.
6. TREE PROTECTION FENCING SHALL BE PLACED AT THE DRIP LINE OF ALL TREES TO REMAIN UNLESS OTHERWISE INDICATED ON THE PLANS. CONTRACTOR SHALL NOT STORE ANY MATERIALS, EQUIPMENT, SOLVENTS, ETC. WITHIN THE DRIP LINE OF ANY TREE TO REMAIN, AND SHALL LIMIT ALL ACTIVITY THAT COULD ADVERSELY AFFECT THE HEALTH OF THE TREES VIA COMPACTION TO THE ROOT ZONES AND/OR DAMAGE TO THE TRUNK OR BRANCHES.
7. CARE SHALL BE TAKEN NOT TO DAMAGE ANY ADJACENT TREES DURING CONSTRUCTION ACTIVITIES. TREE BRANCHES SHALL BE TIED BACK AS REQUIRED PER MICHIGAN NURSERY AND LANDSCAPE STANDARDS.
8. SHOULD DAMAGE OCCUR TO ANY TREE, IT SHALL BE ASSESSED BY A LICENSED LANDSCAPE PROFESSIONAL AND TREATED PER MICHIGAN NURSERY AND LANDSCAPE STANDARDS.

CITY STANADRD NOTES

CONSTRUCTION SHALL CONFORM TO CURRENT CITY OF FENTON STANDARDS.

NO WORK SHALL BE PERFORMED WITHOUT INSPECTION.

ALL STREETS MUST BE MAINTAINED DURING CONSTRUCTION. STREETS SHALL BE KEPT FREE OF MUD, DIRT, CONSTRUCTION DEBRIS, DUST AND THE LIKE. IF CLEANUP IS NOT PERFORMED WITHIN 24 HOURS OF NOTIFICATION, THE MUNICIPALITY RESERVES THE RIGHT TO PERFORM THE WORK AND CHARGE THE CONTRACTOR ACCORDINGLY. PAYMENT IS INCLUDED IN PROJECT CLEANUP.

WORKING HOURS (INCLUDING RUNNING OF ANY MACHINERY) SHALL BE RESTRICTED TO MONDAY THROUGH SATURDAY, 7:00 AM TO 7:00 PM. SUNUP TO SUNDOWN; WHICHEVER IS LESS. CONSTRUCTION OPERATIONS BEYOND THE PERIODS MENTIONED ABOVE SHALL BE PERMITTED ONLY AFTER WRITTEN APPROVAL BY THE ENGINEER OR THE MUNICIPALITY. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS. NO ADDITIONAL COMPENSATION WILL BE PAID FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED TO COMPLETE THE CONTRACT WORK.

ALL MATERIALS AND MANUFACTURERS SHALL CONFORM TO THE STANDARD DETAILS.

UTILITY STRUCTURES SHALL NOT BE LOCATED IN DRIVEWAYS, AND WHERE POSSIBLE, SHALL NOT BE LOCATED IN PAVED AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER MAINS AND/OR EXISTING SEWER DURING THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH ACTS 173 AND 174 OF P.A. OF 2013 (MISS DIG 1-800-482-7171 OR 811) AND MUNICIPAL UTILITY/FIRE/POLICE CREWS THREE (3) WORKING DAYS BEFORE THE START OF ANY CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE NECESSARY SIGNS, BARRICADES AND LIGHTS TO PROTECT TRAFFIC AND THE WORK AS DIRECTED BY THE ENGINEER. SUCH DEVICES SHALL BE PLACED PRIOR TO STARTING WORK IN AFFECTED AREAS.

PERMANENT STRUCTURES OF ANY TYPE, INCLUDING BUT NOT LIMITED TO, TREES, LIGHT POLES, DRAINAGE STRUCTURES, SANITARY STRUCTURES, BENCHES, TRASH RECEPTACLES, ETC., WILL NOT BE ALLOWED WITHIN THE INFLUENCE OF THE PUBLIC WATER MAIN OR SANITARY SEWER EASEMENTS.

NO ADDITIONAL COMPENSATION SHALL BE PAID FOR ANY WORK STOPPAGE, DELAY, OR INCONVENIENCE DUE TO MATERIAL SHORTAGES, OPERATIONS OF OTHER PARTIES, OR EVENTS WITHIN HUMAN CONTROL.

SOIL EROSION & SEDIMENTATION CONTROL

- 1. CONTRACTOR RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE ANY TEMPORARY SESC MEASURES AFTER OWNER'S ACCEPTANCE OF AND SUBSTANTIAL COMPLETION OF THE PROJECT. OWNER WILL BE RESPONSIBLE FOR CONTINUED MAINTENANCE OF ALL PERMANENT SESC CONTROL MEASURES AFTER SUBSTANTIAL COMPLETION OF THE PROJECT. CONTRACTOR RESPONSIBLE FOR OBTAINING, EXERCISING AND PERFORMING ALL WORK IN ACCORDANCE WITH THE CONDITIONS PROVIDED BY THE ISSUER OF THE SOIL EROSION AND SEDIMENTATION CONTROL PERMIT.
2. ENGINEER TO VERIFY PROPER INSTALLATION OF APPROVED SESC MEASURES PRIOR TO COMMENCEMENT OF EARTH DISTURBANCE ON SITE.
3. ALL TEMPORARY SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO EARTH DISTURBANCE ACTIVITY AND CHECKED DAILY FOR EFFECTIVENESS AND REPAIRED AS NEEDED.
4. SITE EARTH CHANGES INCLUDE REMOVAL OF ALL EXISTING SURFACE FEATURES, SITE GRADING FOR THE INSTALLATION OF STORM SEWERS, MANHOLES AND STORMWATER BASINS AND ASSOCIATED SURFACE RESTORATION WORK.
5. EROSION CONTROL MEASURES SHALL FOLLOW GENESEE COUNTY SOIL EROSION AND SEDIMENTATION CONTROL MANUALS.
6. EXISTING CATCH BASIN INLETS SHALL BE PROTECTED BY INLET PROTECTION FABRIC DROP PRIOR TO EARTH DISTURBANCE.
7. SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON PLANS.
8. TURBIDITY CURTAIN TO BE INSTALLED PER MDOT STANDARD PLANS.

PLANTING NOTES

- 1. STAKE ALL BED LINES AND TREE LOCATIONS FOR THE ENGINEER'S REVIEW PRIOR TO INSTALLATION. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE ENGINEER AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.
2. SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. IN THE EVENT THAT PLANT MATERIALS SPECIFIED ARE NOT AVAILABLE, CONTRACTOR SHALL SUBMIT ALTERNATES TO ENGINEER FOR REVIEW AND APPROVAL. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER.
3. VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
4. PROTECT ALL PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES, AND THE DESICCATION OF LEAVES. PROTECT ALL PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE ALL TREES WITH NYLON STRAPS. NO CHAINS OR CABLES ALLOWED. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.
5. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL FORMED, TRUE TO SPECIES, HARDENED OFF WITH VIGOROUS ROOT SYSTEMS, FULL CROWN AND CANOPIES, AND FREE FROM DISEASE, PESTS AND INSECTS, AND DEFECTS SUCH AS KNOTS, SUN SCALD, WINDBURN, LEAF DISCOLORATION, IRREGULAR BRANCHING, OR INJURIES.
6. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK'.
7. PROVIDE SOURCE INFORMATION AND PLANT SAMPLES OR PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE ENGINEER FOR COMPLIANCE REVIEW PRIOR TO INSTALLATION.
8. ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER BEFORE, DURING, AND AFTER INSTALLATION.
9. THE ENGINEER RESERVES THE RIGHT TO INSPECT AND/OR SELECT ANY AND ALL PLANT MATERIAL AT THE NURSERY PRIOR TO DELIVERY TO THE SITE.
10. TEST FILL ALL TREE PITS, PLANTING BEDS, AND RAIN GARDENS WITH WATER, PRIOR TO PLANTING, TO ASSURE PROPER SOIL PERCOLATION. PITS WHICH DO NOT ADEQUATELY DRAIN SHALL BE FURTHER EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE TO OCCUR AND/OR BACKFILLED WITH SUITABLE DRAINAGE GRAVEL. NO ALLOWANCES SHALL BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE.
11. CONTRACTOR SHALL REPLACE DEAD OR DYING PLANT MATERIAL WITH SAME SIZE AND SPECIES AT NO ADDITIONAL COST TO OWNER.
12. ALL PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS TO ASSURE COMPLETE SURVIVABILITY OF ALL INSTALLED PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT. CONTRACTOR SHALL REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF TREE PITS, PLANTING BEDS, RAIN GARDENS, GUYING AND STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.
13. PLANTING BEDS SHALL HAVE A MINIMUM OF 3" DEPTH OF DOUBLE SHREDDED HARDWOOD MULCH AND SHALL BE CONSISTENT WITH PLANTING DETAILS AND SPECIAL PROVISIONS.
14. PLANTING MIX AND/OR TOPSOIL SHALL BE PROVIDED AND BLENDED AS DESCRIBED IN THE PLANTING DETAILS AND SPECIFICATIONS.
15. ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION.
16. REMOVE ALL PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN ALL PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
17. THE CONTRACTOR SHALL COORDINATE PLANTING PERIODS WITH INITIAL MAINTENANCE PERIODS TO PROVIDE THE REQUIRED MAINTENANCE FROM THE DATE OF PLANTING COMPLETION. ALL PLANTING SHALL OCCUR DURING ONE OF THE FOLLOWING PERIODS:
A. SPRING PLANTING: APRIL 15 - JUNE 1
B. FALL PLANTING: SEPTEMBER 1 - OCTOBER 15
18. FERTILIZER SHALL NOT BE USED WITHIN 50 FEET OF ANY PLANTING BED OR RAIN GARDEN. FERTILIZER SHALL BE CLEANED OFF OF ALL HARD SURFACES AFTER APPLICATION TO ENSURE IT DOES NOT WASH INTO RAIN GARDENS DURING A STORM EVENT.
19. REFER TO GENERAL NOTES FOR ADDITIONAL INSTRUCTIONS.
20. SEE SHEET L-600 AND L-601 FOR PLANTING DETAILS

IRRIGATION NOTES

- 1. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
2. CONTRACTOR WILL ARRANGE INSPECTIONS FOR IRRIGATION REQUIRED BY THE SPECIAL PROVISION DURING THE COURSE OF CONSTRUCTION. ALL WIRING AND BACKFLOW PREVENTION TO BE PER LOCAL CODE AND AS DESCRIBED IN THE SPECIAL PROVISION.
3. INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
4. ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
5. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
6. SEE IRRIGATION SPECIAL PROVISION FOR ADDITIONAL INFORMATION
7. SHOP DRAWINGS SHALL BE REQUIRED FOR IRRIGATION PLANS AS DESCRIBED IN THE SPECIAL PROVISIONS, AND SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
8. THE CONTRACTOR SHALL DESIGN THE SYSTEM TO PROVIDE HEAD TO HEAD COVERAGE IN THE PLANTING AREAS DEFINED ON SHEET L-500 OF THIS PLAN SET. THE SYSTEM SHALL ALSO BE CONFIGURED SO THAT IRRIGATION ZONES ARE NOT SHARED BETWEEN THE DIFFERENT PLANTING AND LAWN AREAS (I.E. RAIN GARDEN AREAS SHALL NOT BE COMBINED WITH OTHER PLANTING BEDS AND/OR LAWN AREAS, AND PLANTING BEDS SHALL NOT BE COMBINED WITH RAIN GARDENS AND/OR LAWN AREAS.)
9. ALL IRRIGATION SHALL BE PAID AS "UNDERGROUND AUTOMATIC IRRIGATION SYSTEM".

LAYOUT NOTES

- 1. ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON THE PLANS.
3. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL, OR FACE OF CURB UNLESS OTHERWISE NOTED.
4. WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
5. UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
6. ALL LONGITUDINAL CONCRETE SCORING SHALL BE PARALLEL TO ADJACENT IMPROVEMENTS UNLESS OTHERWISE NOTED AND AS APPROVED BY THE ENGINEER.
7. LAYOUT ALL CONSTRUCTION LINES AND VERIFY LAYOUT WITH THE ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION WORK.
8. DIMENSIONS FOR PLANT BEDS ARE APPROXIMATE. STAKE PLANT BEDS ON-SITE FOR FINAL APPROVAL BY ENGINEER.
9. REFER TO GENERAL NOTES FOR ADDITIONAL INSTRUCTIONS.
10. FIELD VERIFY ALL PROPOSED AND EXISTING UTILITY LOCATIONS.
11. THE CONTRACTOR SHALL COORDINATE ALL WORK AND BE RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCE, AND PROCEDURES OF THE WORK.

UTILITIES

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE PROJECT LIMITS:

Table with 3 columns: Utility Type, City of Fenton Contact, and Fiber Optic Contact. Includes entries for Water/Sewer, Electric, and Communication.



ISSUED FOR: BID DOCUMENTS 20260424 DATE
REVISION DESCRIPTION

PROJECT NUMBER 0017-24-010
CITY OF FENTON
MILLPOND PARK PLAZA
LANDSCAPE NOTES

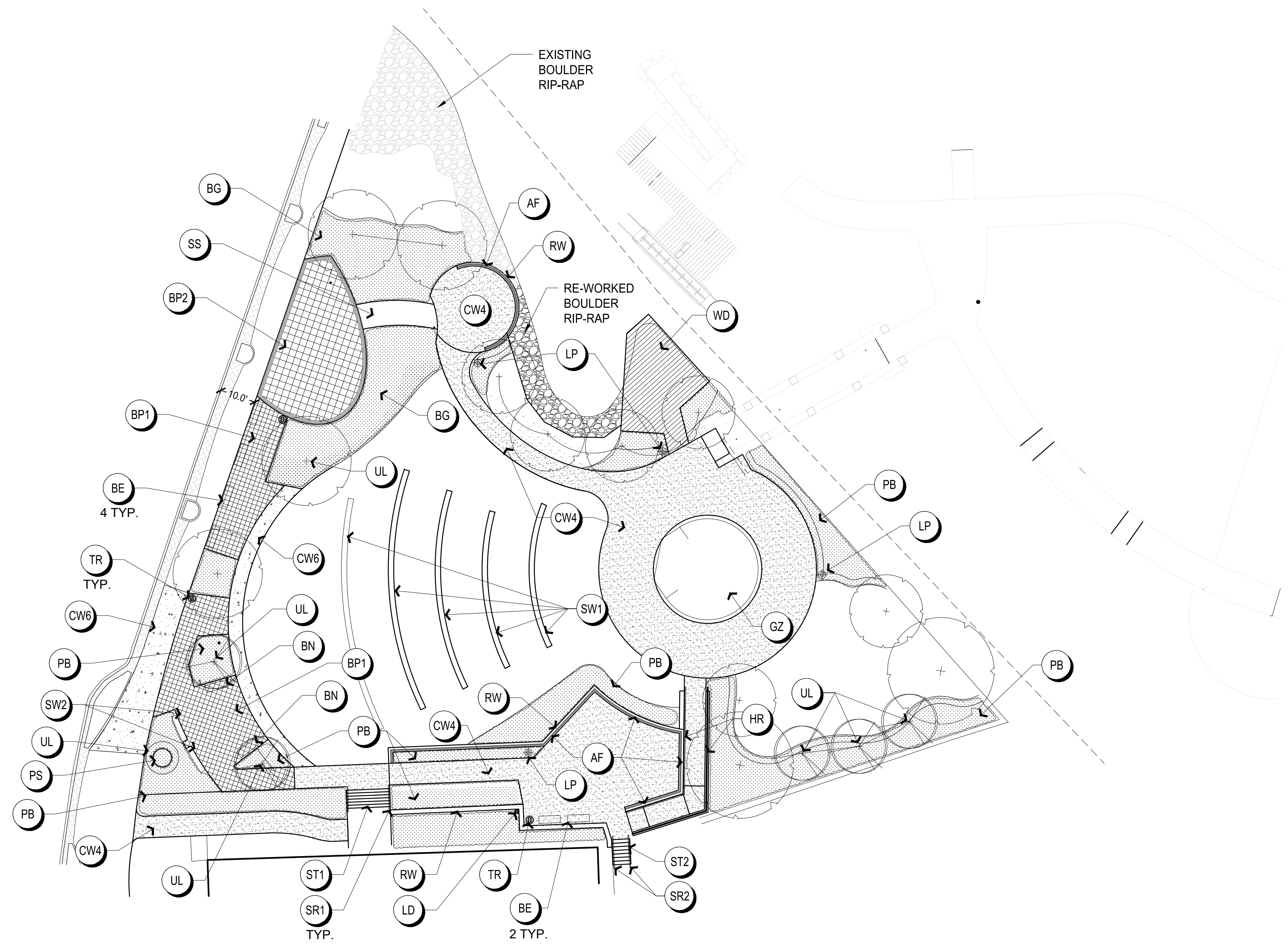
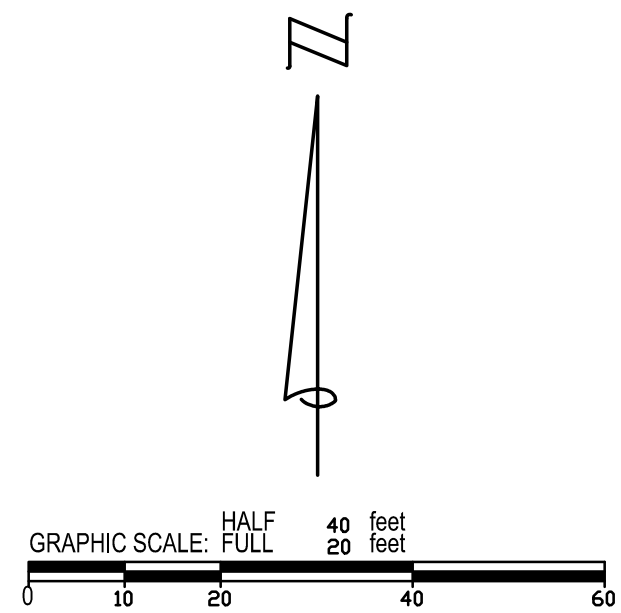
PROJECT NUMBER 0017-24-010
CITY OF FENTON
MILLPOND PARK PLAZA
LANDSCAPE NOTES

PROJECT NUMBER 0017-24-010
CITY OF FENTON
MILLPOND PARK PLAZA
LANDSCAPE NOTES

L-001

DRAWING PATH: P:\0000_01000077240110_Mill_Park_Plan_Design\Bids\PLN_LDS\Bids\3011010\ACT.dwg April 23, 2025 - 11:57 AM

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



MATERIAL LIST			
CODE	ITEM	FINISH	NOTES
AF	ALUMINUM FENCING	DECORATIVE ALUMINUM FENCING TO MATCH CITY STANDARD	SEE DETAIL 3 / SHEET L-603
BE	BENCH	SURFACE MOUNTED BENCH (6' LENGTH)	SEE DETAIL 6 / SHEET L-603
BG	BUTTERFLY GARDEN	EXISTING (RESHAPED); RELOCATE EXISTING PLANT MATERIAL AS SHOWN ON THE PLANTING PLAN	SEE PLANTING PLAN / SHEET L-400
BP1	BRICK PAVERS ON CONCRETE BASE	PAVERS OVER 4" CONCRETE BASE. PAVERS TO MATCH BUTTERFLY GARDEN	SEE DETAIL 9 / SHEET L-601
BP2	BUTTERFLY GARDEN PAVERS	EXISTING PAVERS, RELAID AS REQUIRED TO ACCOMMODATE REVISED LAYOUT. ADD NEW MATCHING PAVERS & LAYOUT, AS REQUIRED (UNILOCK TOWNHALL BORDER, BASALT COLOR & UNILOCK UMBRIANO FIELD, WINTER MARVEL COLOR)	SEE DETAIL 6 / SHEET L-601
CW4	CONCRETE WALKWAY, 4" DEPTH	STANDARD FINISH CONCRETE WALKWAY OVER 4" AGGREGATE BASE.	SEE DETAIL 8 / SHEET L-601
CW6	CONCRETE WALKWAY, 6" DEPTH	STANDARD FINISH CONCRETE WALKWAY OVER 6" AGGREGATE BASE.	SEE DETAIL 7 / SHEET L-601
GZ	GAZEBO	EXISTING GAZEBO TO REMAIN; CONTRACTOR TO ROTATE COUNTERCLOCKWISE 10 DEGREES; REVIEW GROUND CONNECTIONS & REPLACE AS REQUIRED.	SEE LAYOUT PLAN, SHEET L-300
HR	HAND RAIL	TUBULAR ALUMINUM HAND RAIL, POWDERCOATED BLACK	SEE DETAIL 1 / SHEET L-603
LD	LANDSCAPE BED DRAIN	BLACK PLASTIC 6" NDS ATRIUM GRATE AT GRADE ON 6" VERTICAL DRAIN PIPE CONNECTED TO WALL FOOTING DRAIN.	SEE SHEET S-300
LP	LIGHT POLE	POLE AND LUMINARIE STYLE TO MATCH STREETSCAPE.	SEE ELECTRICAL DRAWINGS
PB	PLANT BED	SEE PLANTING PLANS	SEE PLANTING PLAN / SHEET L-400
PS	PROPOSED STATUE	RELOCATED 'GRATEFUL FRED' STATUE. PROVIDE REINFORCED CONCRETE FOOTING.	SEE DETAIL 6, SHEET L-602
RW	CONCRETE RETAINING WALL	CONCRETE WALL WITH COBBLESTONE FACADE TO MATCH PEDESTRIAN BRIDGE	SEE DETAIL 1, SHEET L-602
SR1	BUILDING ENTRY STEP HANDRAILS	TUBULAR ALUMINUM HAND RAIL, POWDERCOATED BLACK	SEE DETAIL 2, SHEET L-603
SR2	PLAZA STEP HANDRAILS	TUBULAR ALUMINUM HAND RAIL, POWDERCOATED BLACK	SEE DETAIL 4, SHEET L-603
SS	EXISTING STONE STAIRS	LEDGESTONE STAIR TO REMAIN	
ST1	BUILDING ENTRY STEPS	CONCRETE STAIR, 10" TREADS & 6 3/4" RISERS.	SEE DETAIL 1, SHEET L-602
ST2	PLAZA STEPS	CONCRETE STAIR, 12" TREADS & 7" RISERS.	SEE DETAIL 2, SHEET L-602
SW1	AMPHITHEATER SEAT WALL	CONCRETE WALL WITH COBBLESTONE FACADE TO MATCH PEDESTRIAN BRIDGE	SEE DETAILS 3 & 4, SHEET L-602
SW2	CONCRETE SEAT WALL	DECORATIVE CONCRETE WALL	SEE DETAIL 5, SHEET L-602
TR	TRASH RECEPTACLE	STEEL WASTE RECEPTACLE	SEE DETAIL 5 / SHEET L-603
UL	UP-LIGHTING	LANDSCAPE UP-LIGHTING ON TREES AND RELOCATED STATUE, AS NOTED ON THE PLANS	SEE ELECTRICAL DRAWINGS
WD	WOOD DECK	PRESSURE TREATED FRAMING WITH COMPOSITE DECKING. PROVIDE PLAIN RIPRAP OVER GEOTEXTILE FABRIC BENEATH DECK.	SEE SHEETS S-500, S-600, & S-700

DRAWING PATH: P:\0000_010000724010_Mill_Pond_Park_Plaza\Drawings\PLAN_Landscape\01013\MTRL.dwg Apr 29, 2026 - 11:57 AM

ISSUED FOR: BID DOCUMENTS
REVISION: DESCRIPTION
DATE: 2/28/24

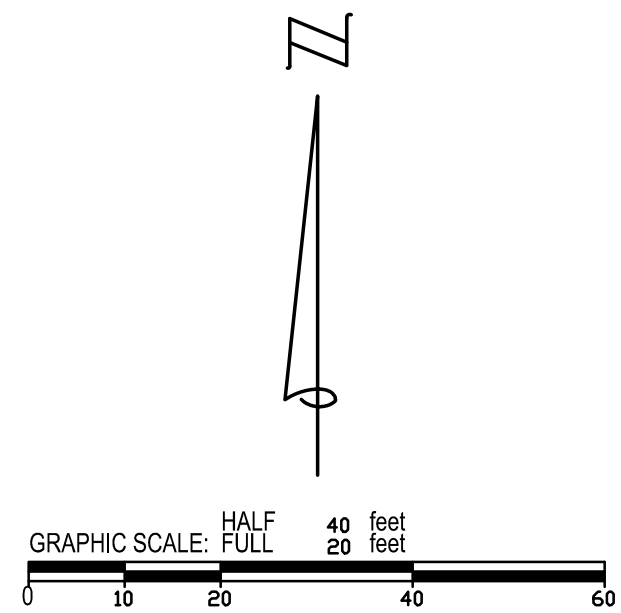
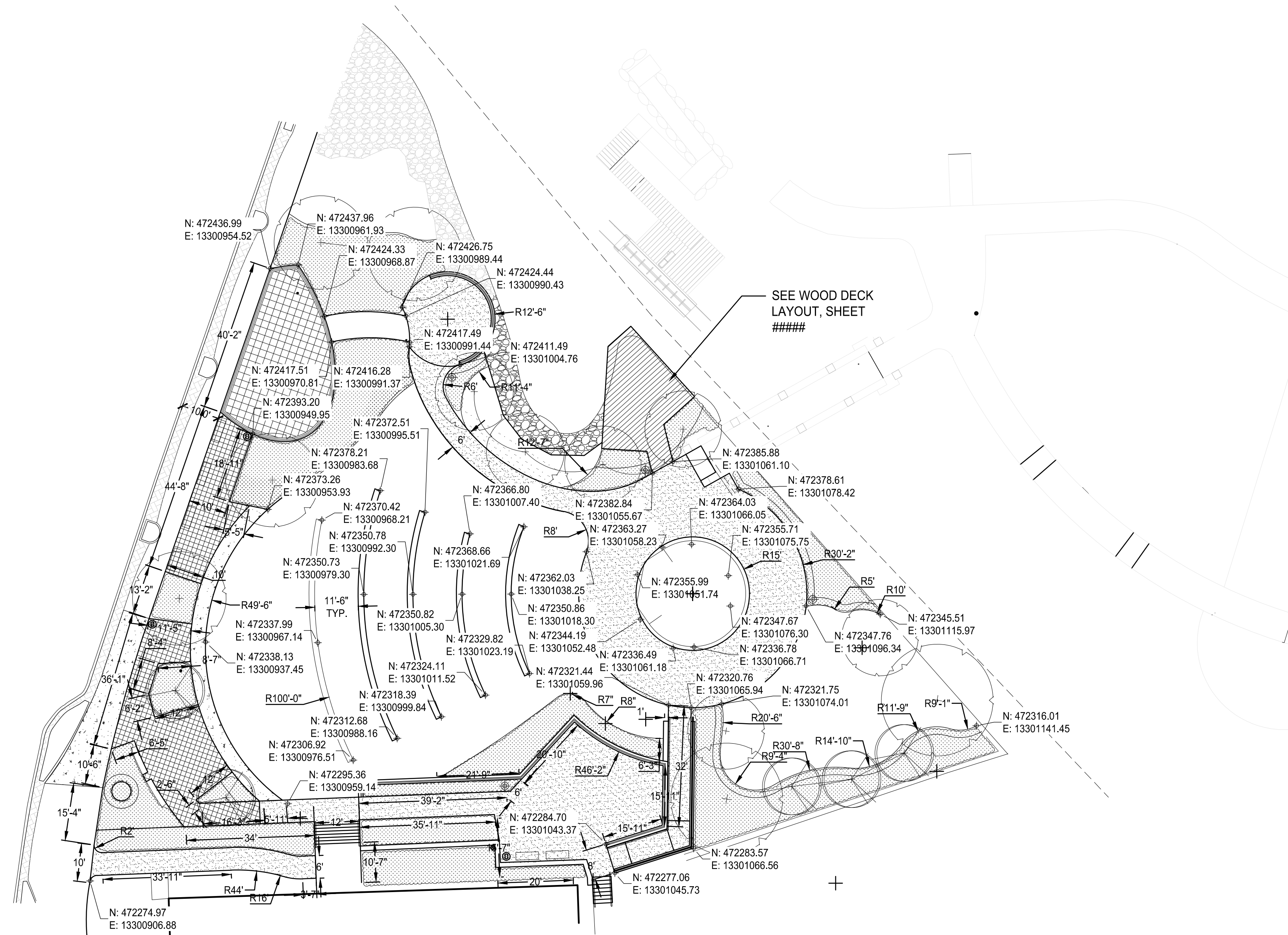
PROJECT NUMBER: 0017-24-010
CITY OF FENTON
MILLPOND PARK PLAZA
MATERIALS PLAN



Know what's below.
Call before you dig.

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

DRAWING PATH: P:\0000_010007240110_Mill_Park_Plaza\Drawings\PLAN_LDS\Sheet\3010\MTR_Lay_Apr29_2026_11:57 AM



ISSUED FOR:	BID DOCUMENTS	REVISION	DESCRIPTION	DATE

PROJECT NUMBER: 0017-24-0110
 CITY OF FENTON
 MILLPOND PARK PLAZA
 LAYOUT PLAN

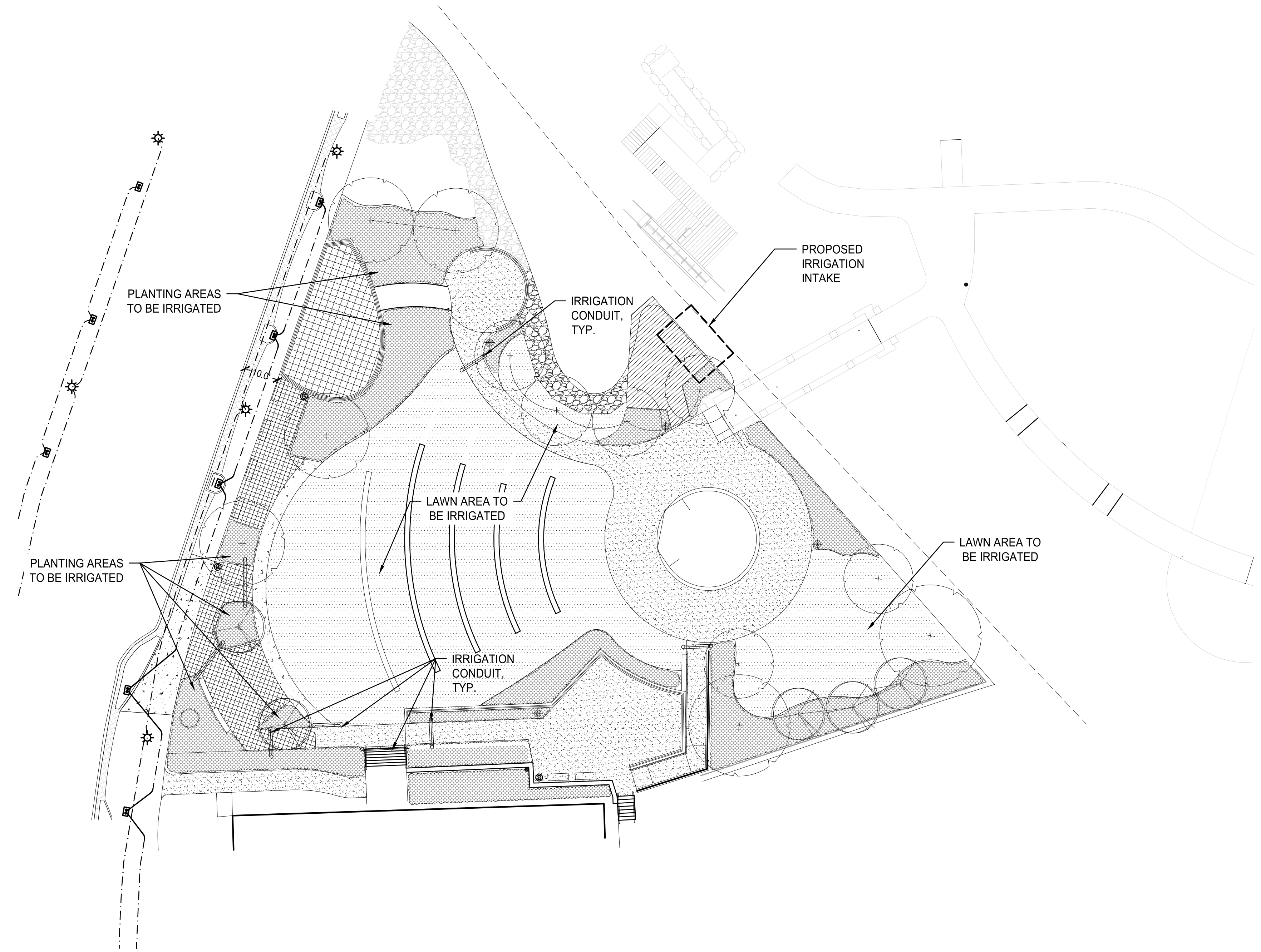
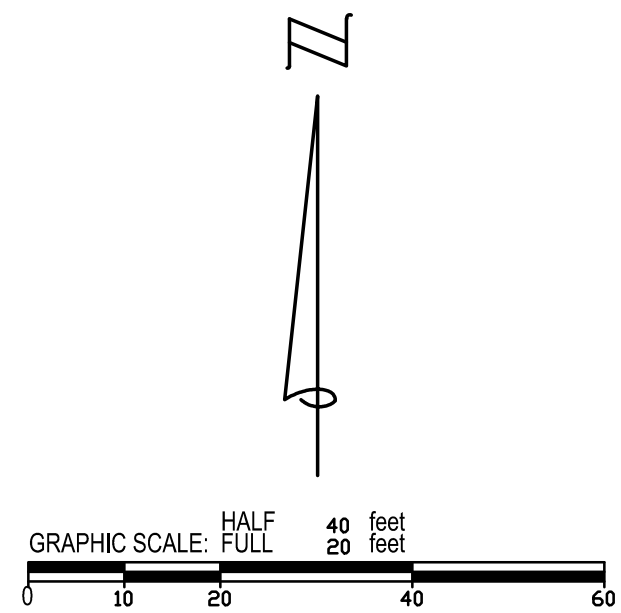


Know what's below. Call before you dig.

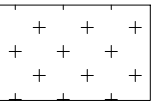
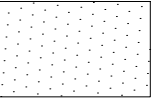
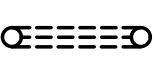

L-300

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Plaza\Drawings\PLN_LDS\0100007240110_PLT.dwg April 23, 2026 - 11:57 AM



IRRIGATION LEGEND:

-  PLANTING BED AREAS TO BE IRRIGATED; SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
-  LAWN AREAS TO BE IRRIGATED; SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
-  IRRIGATION CONDUIT - 4" SCH. 40 PVC SLEEVE (FOR WATER LINES) & 2" SCH. 40 PVC CONDUIT (FOR WIRING)
-  POINT OF BEGINNING FOR IRRIGATION SYSTEM - PROVIDE HOT BOX & PUMP AS REQUIRED PER THE SPECIFICATIONS. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.



Know what's below.
Call before you dig.

ISSUED FOR:	DATE
BID DOCUMENTS	2026/04/24
REVISION	DESCRIPTION

PROJECT NUMBER: PM 0017-24-0110
 CITY OF FENTON
 MILLPOND PARK PLAZA
 IRRIGATION PLAN

L-500

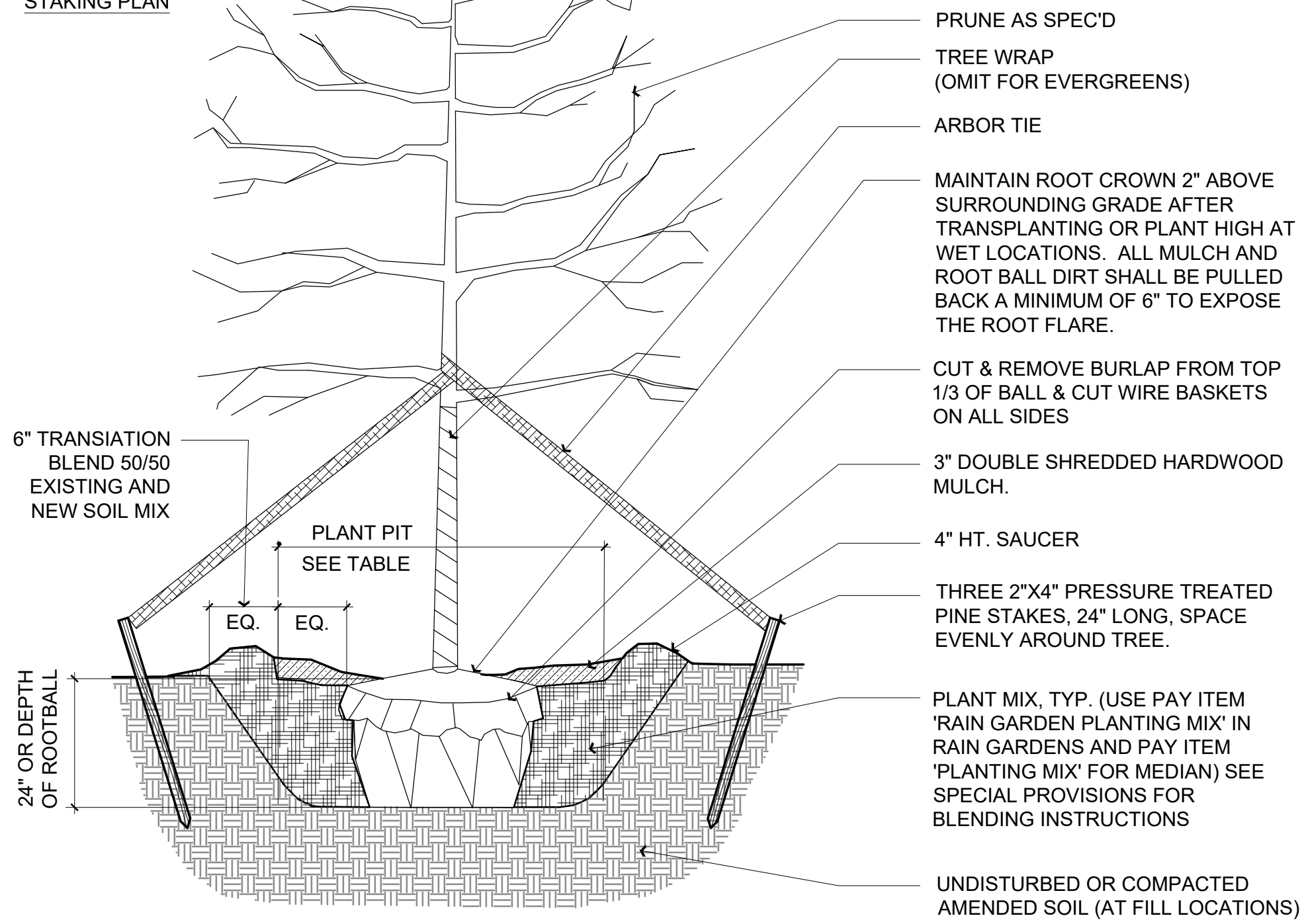
COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM

NOTES:

- CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- FINAL TREE STAKING PLACEMENT TO BE APPROVED BY OWNER.
- DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
- MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
- IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN (8 IN.) INTO PLANTING HOLE.
- REMOVE ALL TWINE, ROPE, WIRE AND BURLAP FROM TOP HALF OF ROOTBALL.
- SET TREE PLUMB IN PLANTING PIT.
- EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

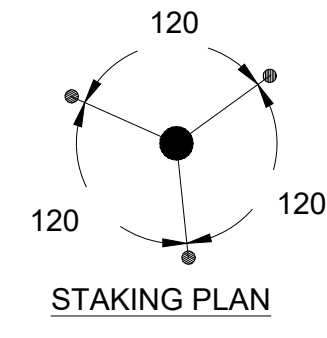


BALL SIZE	PIT WIDTH AT BOTTOM
UP TO 48"	DIA. OF BALL + 2'
OVER 48"	1 3/4 X DIA. OF BALL



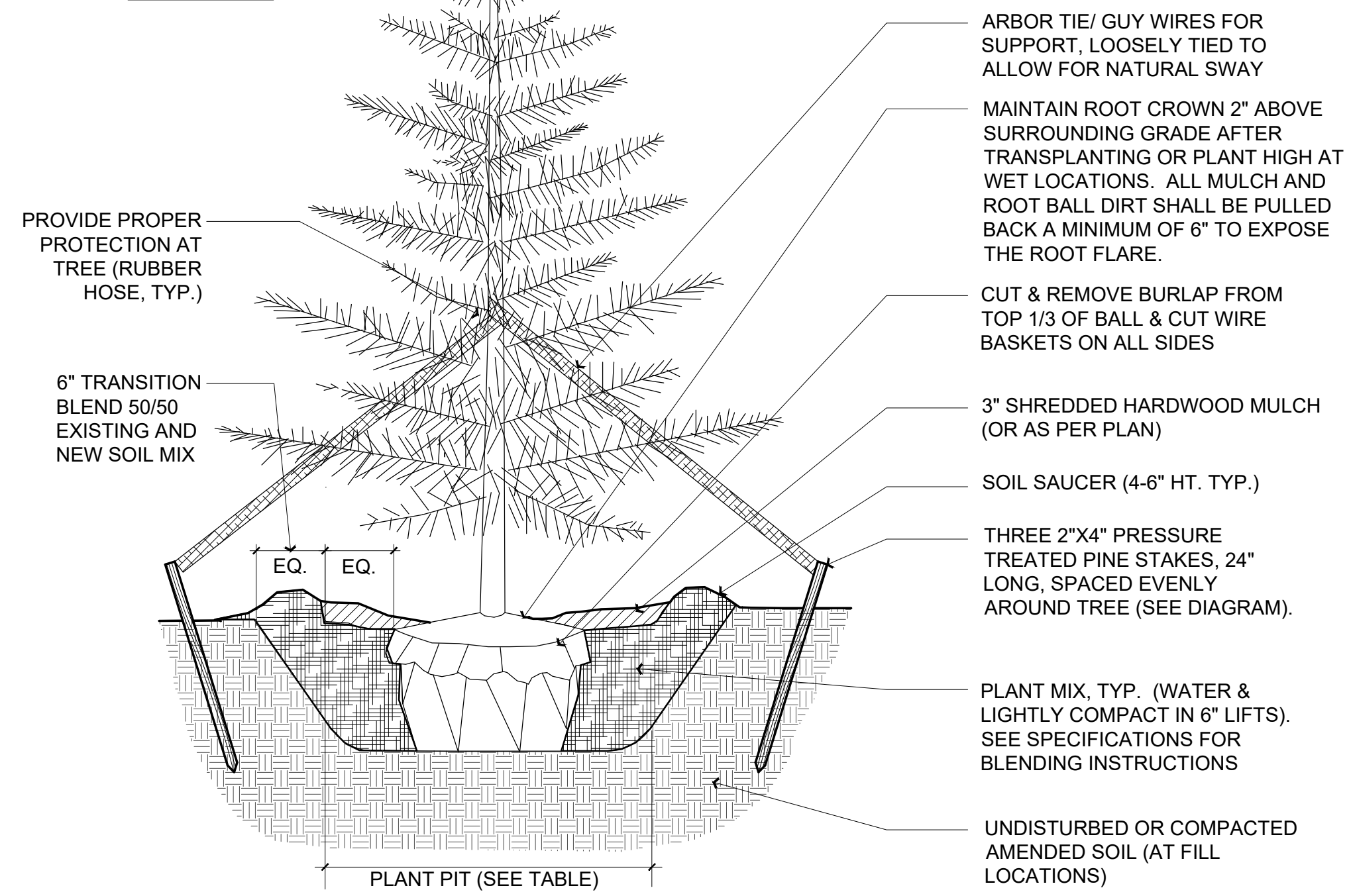
NOTES:

- CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- FINAL TREE STAKING PLACEMENT TO BE APPROVED BY ENGINEER.
- STAKE ALL EVERGREEN TREES UNDER 12' TALL. GUY WIRES TO BE USED ON ALL EVERGREEN TREES 12' TALL AND OVER.
- PRUNE ONLY DEAD AND BROKEN BRANCHES. NEVER CUT THE CENTRAL LEADER.
- MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
- IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN (8" MIN.) INTO PLANTING HOLE.
- REMOVE ALL TWINE, SISAL, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOTBALL.
- SET TREE PLUMB IN PLANTING PIT.
- EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.



PLANTING PIT TABLE

BALL SIZE	PIT WIDTH AT BOTTOM
UP TO 48"	DIA. OF BALL + 2'
OVER 48"	1 3/4 X DIA. OF BALL

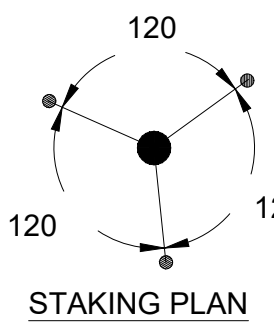


1 TREE PLANTING
SCALE: 1/2" = 1'-0"

2 EVERGREEN TREE PLANTING
SCALE: 1/2" = 1'-0"

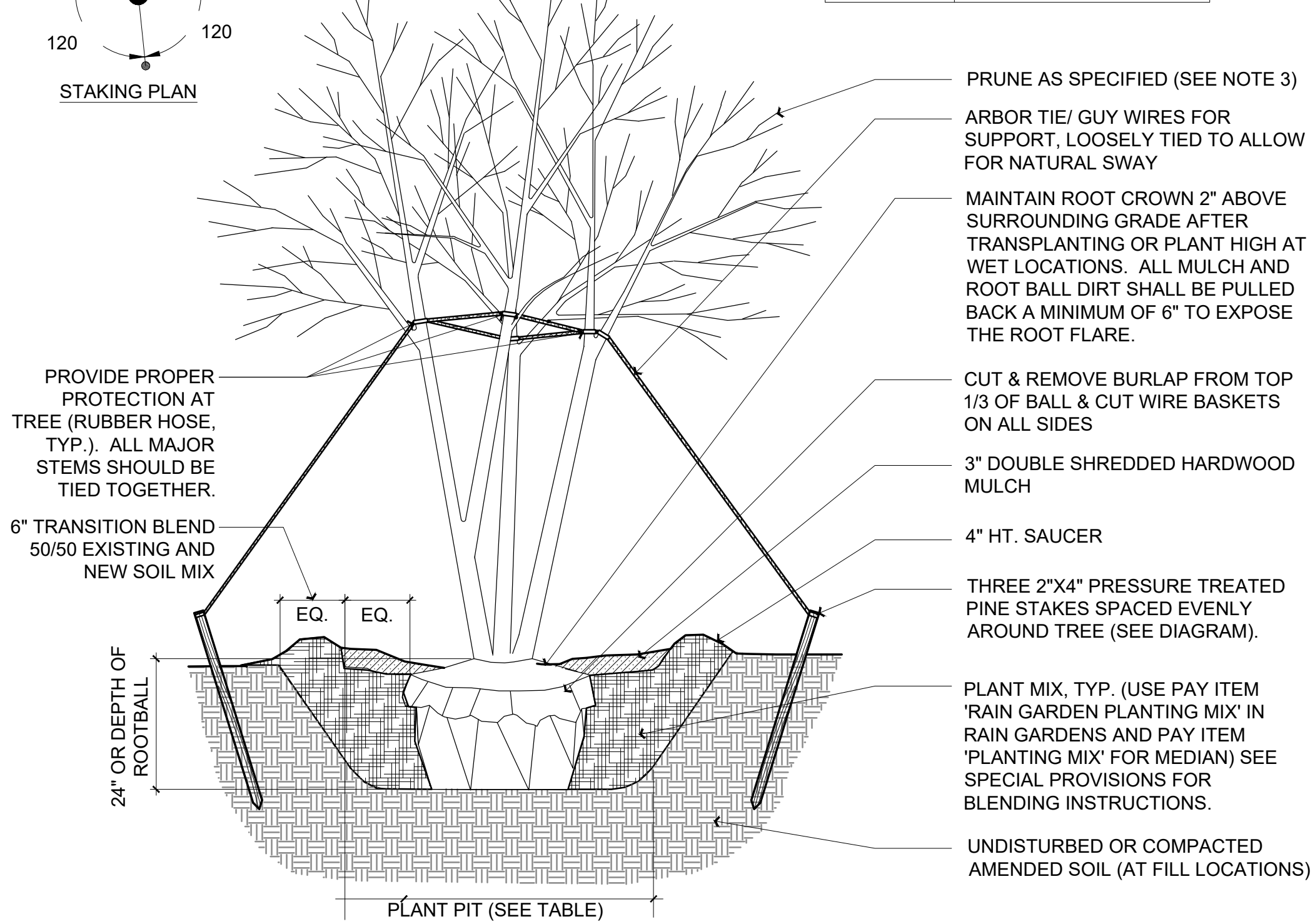
NOTES:

- CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- FINAL TREE STAKING PLACEMENT TO BE APPROVED BY OWNER.
- DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY ALSO BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
- MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
- IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN (8" MIN.) INTO PLANTING HOLE.
- REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP HALF OF ROOTBALL.
- SET TREE PLUMB IN PLANTING PIT.
- EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.



PLANTING PIT TABLE

BALL SIZE	PIT WIDTH AT BOTTOM
UP TO 48"	DIA. OF BALL + 2'
OVER 48"	1 3/4 X DIA. OF BALL



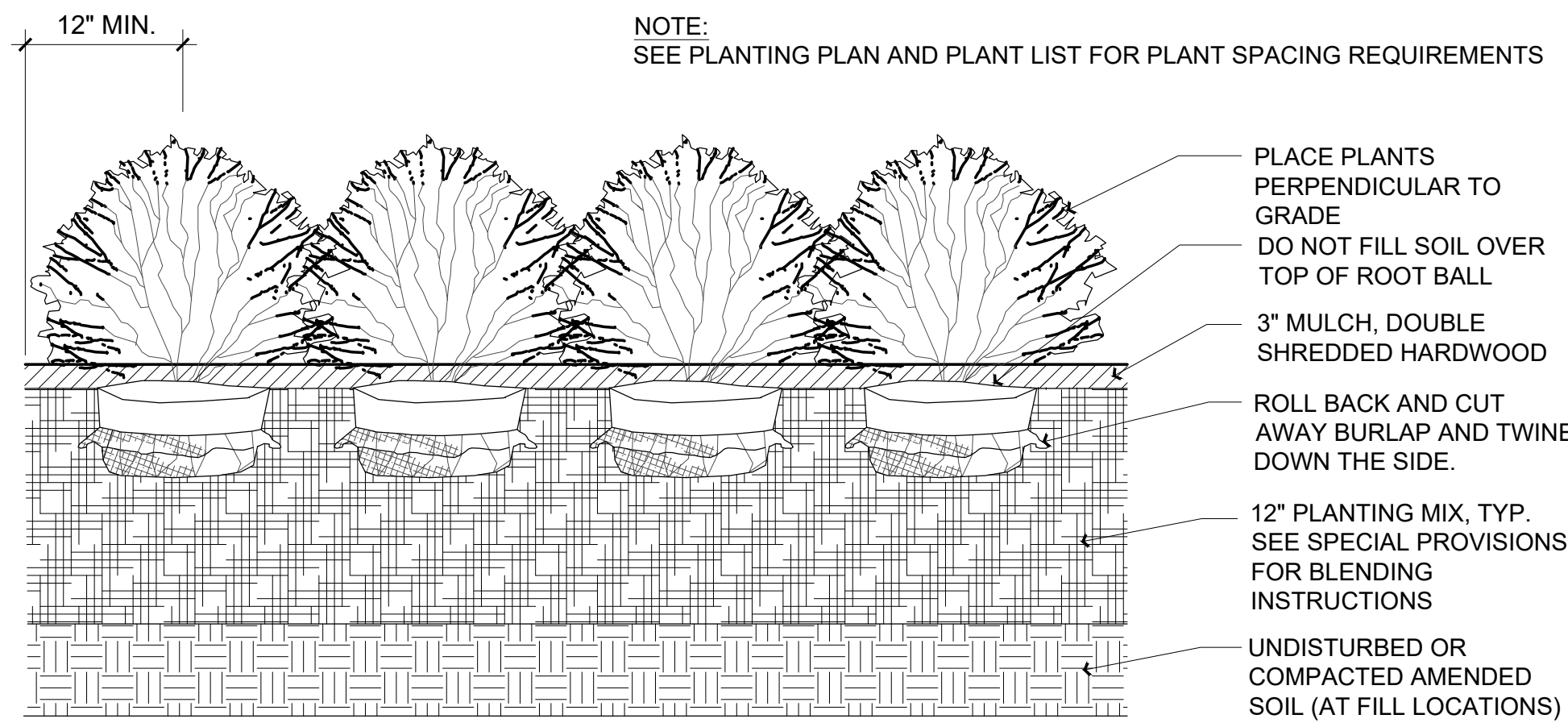
3 MULTI-STEMMED TREE PLANTING
SCALE: 1/2" = 1'-0"

2020/04/24 DATE
ISSUED FOR: BID DOCUMENTS
REVISION DESCRIPTION

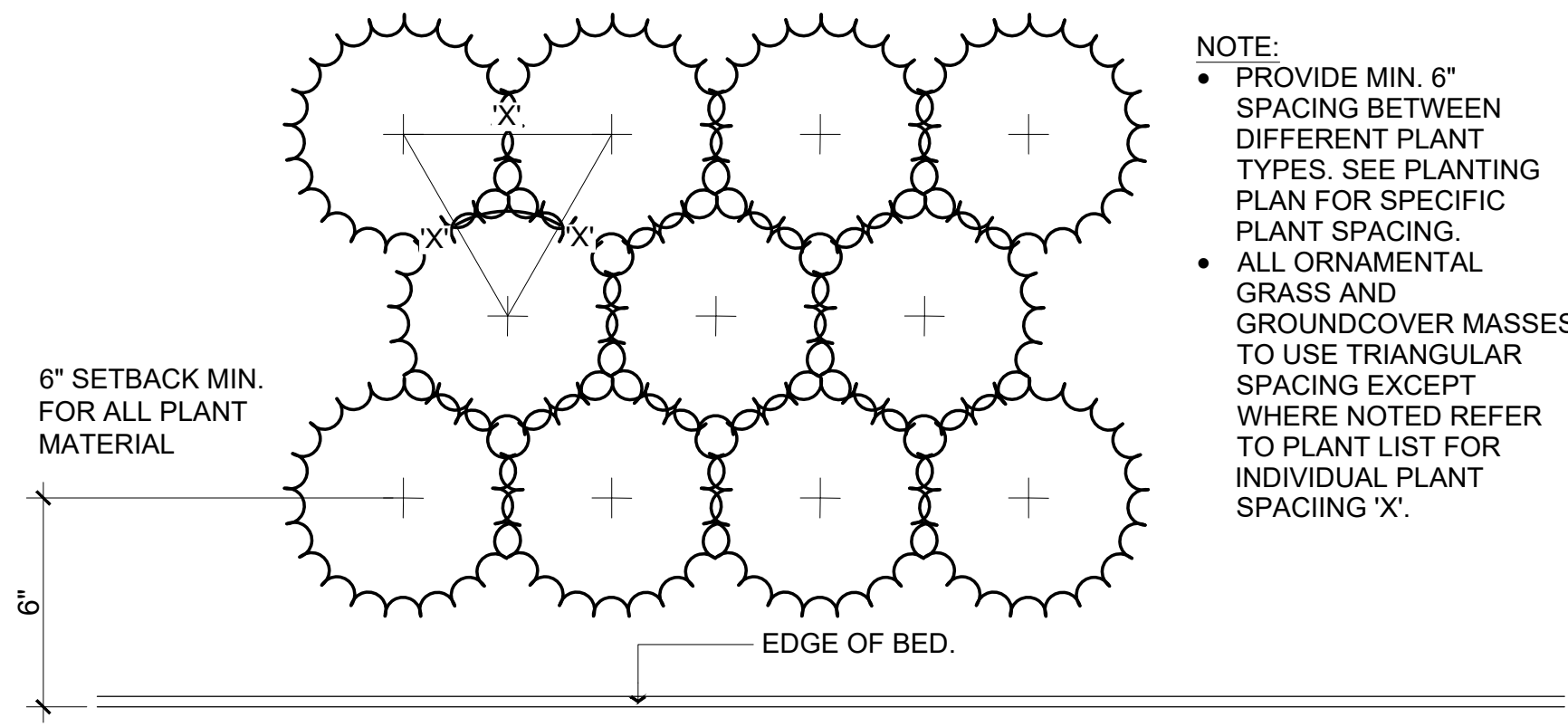
PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
PLANTING DETAILS

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Plaza\Drawings\PLN_L-05\Sheet\30110DET.dwg April 23, 2020 - 11:57 AM

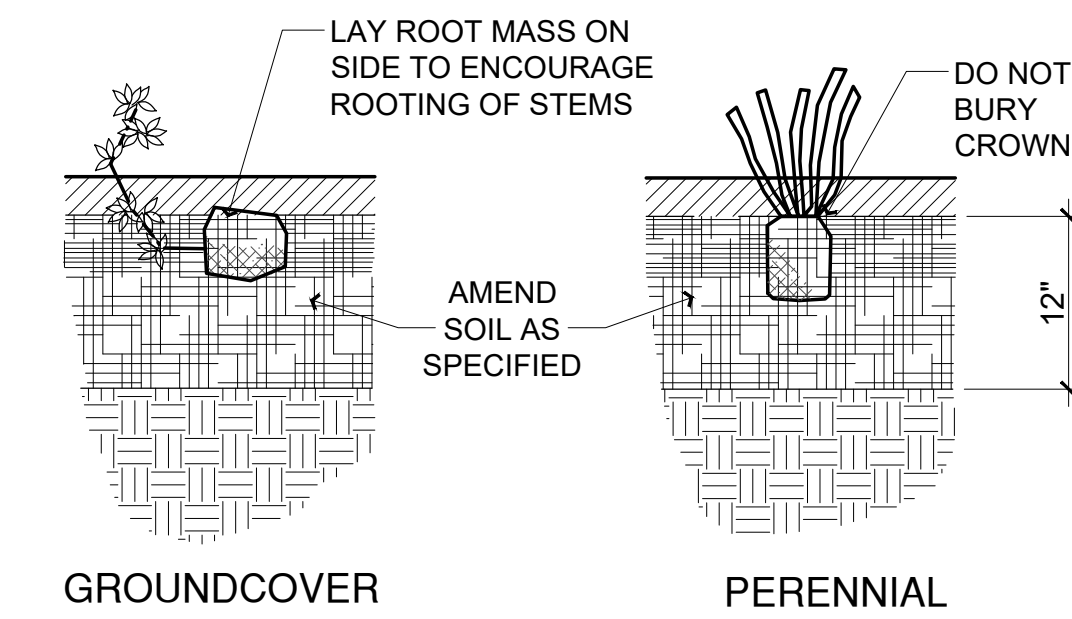
COPYRIGHT 2020 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



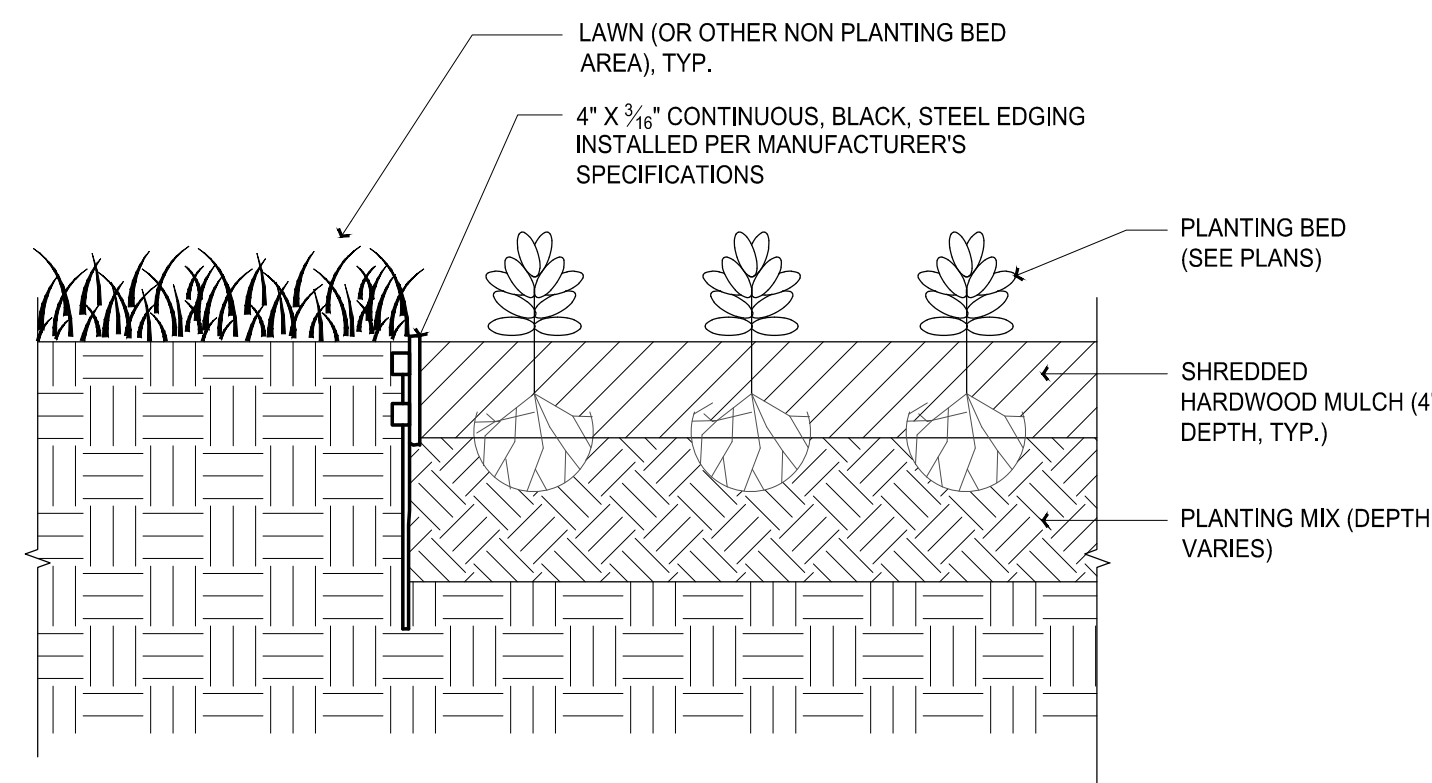
1 SHRUB / ORNAMENTAL GRASS PLANTING
SCALE: 1" = 1'-0"



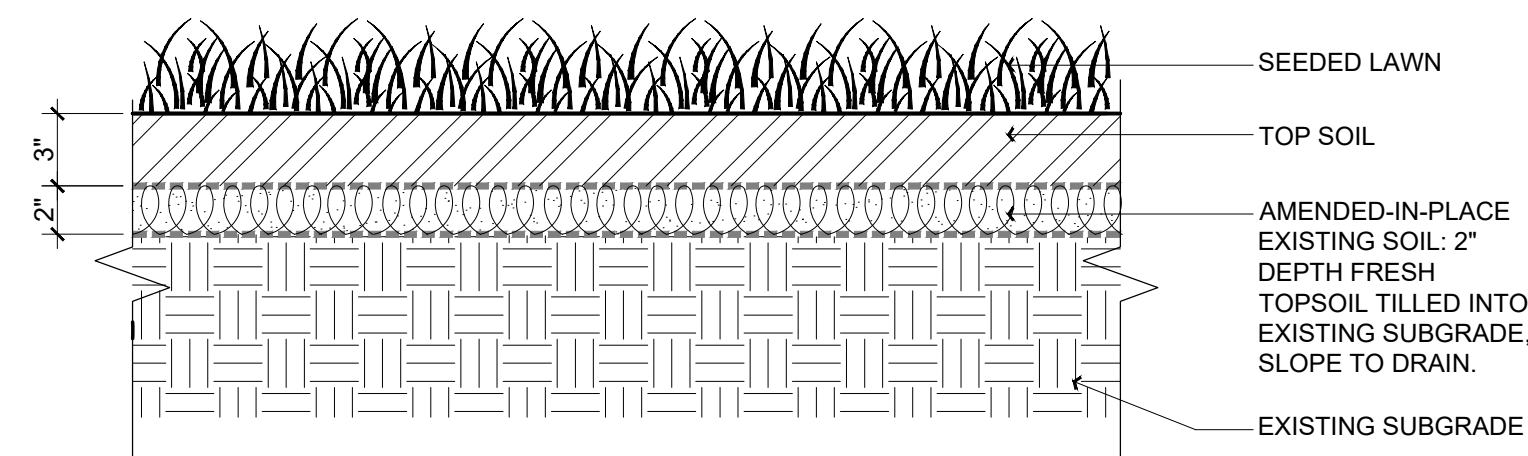
2 PLANT SPACING
SCALE: 1" = 1'-0"



3 GROUND COVER & PERENNIAL PLANTING
SCALE: 1" = 1'-0"

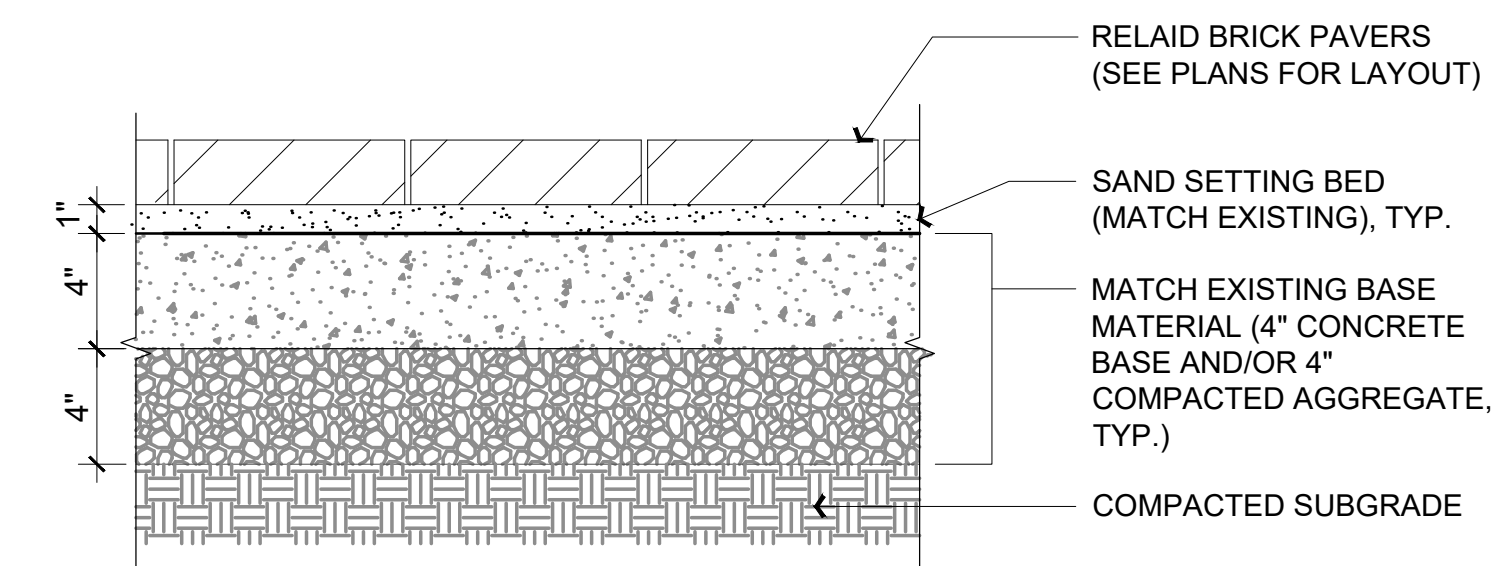


4 PLANT BED EDGE
SCALE: 1 1/2" = 1'-0"

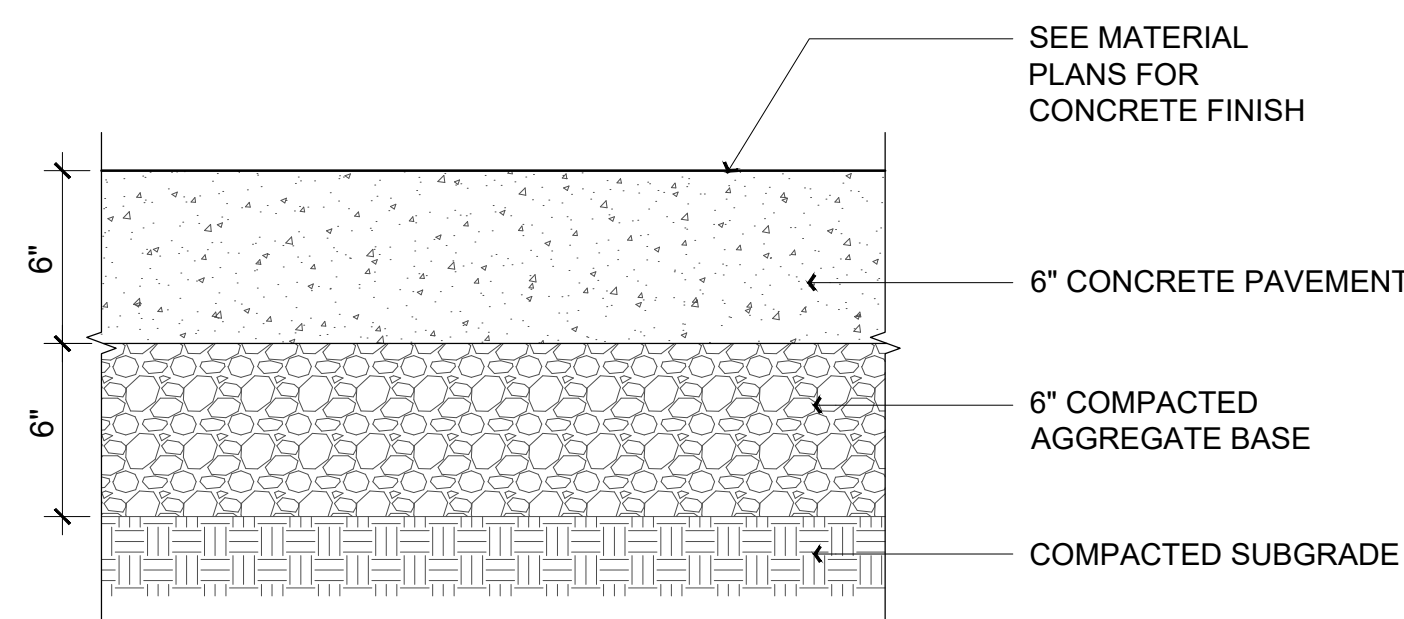


5 SEEDED LAWN DETAIL
SCALE: 1 1/2" = 1'-0"

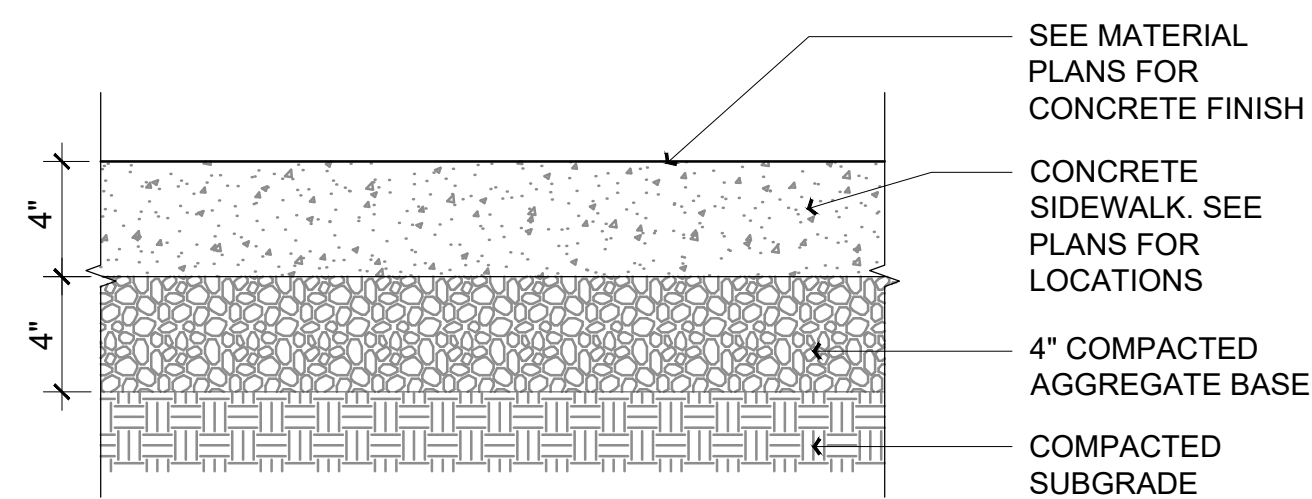
INCH UNIT, SCALE BY 1/8



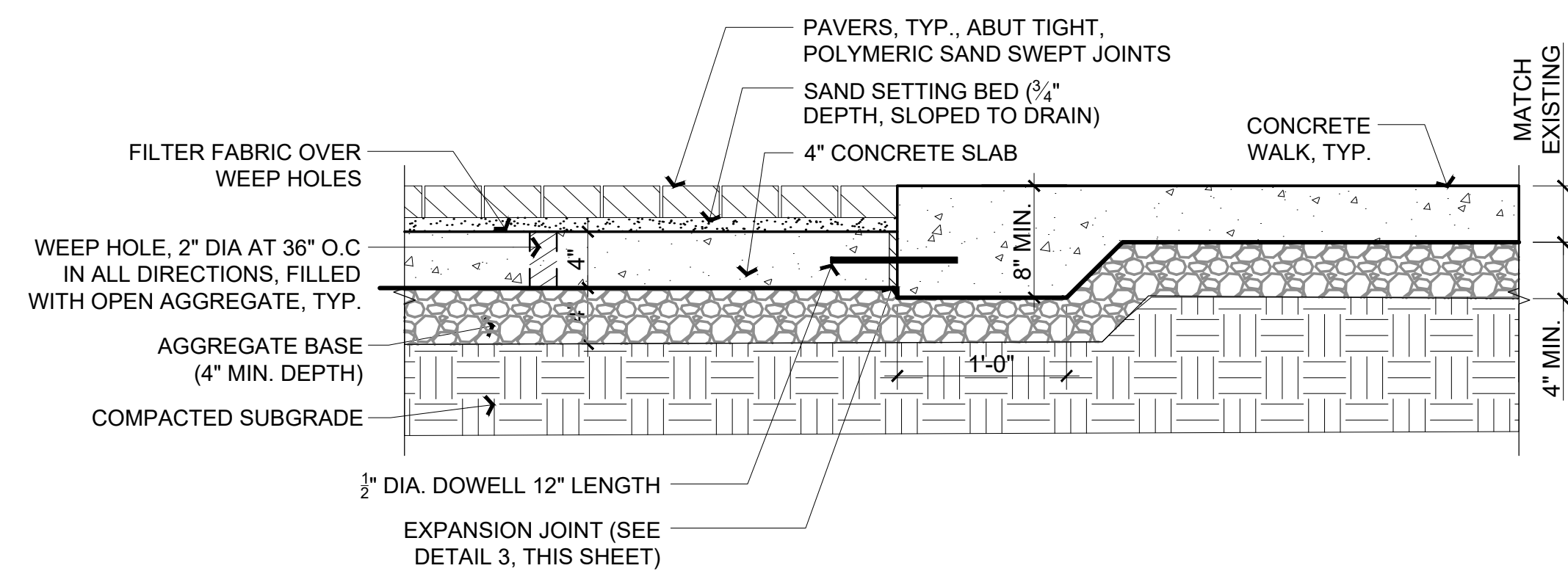
6 RELAID BRICK PAVER
SCALE: 1-1/2" = 1'-0"



7 CONCRETE SIDEWALK, 6" DEPTH
SCALE: 1-1/2" = 1'-0"



8 CONCRETE SIDEWALK, 4" DEPTH
SCALE: 1-1/2" = 1'-0"



9 NEW PAVERS TO CONCRETE PAVING
SCALE: 1" = 1'-0"

2020/04/24	DATE
ISSUED FOR: BID DOCUMENTS	REVISION DESCRIPTION

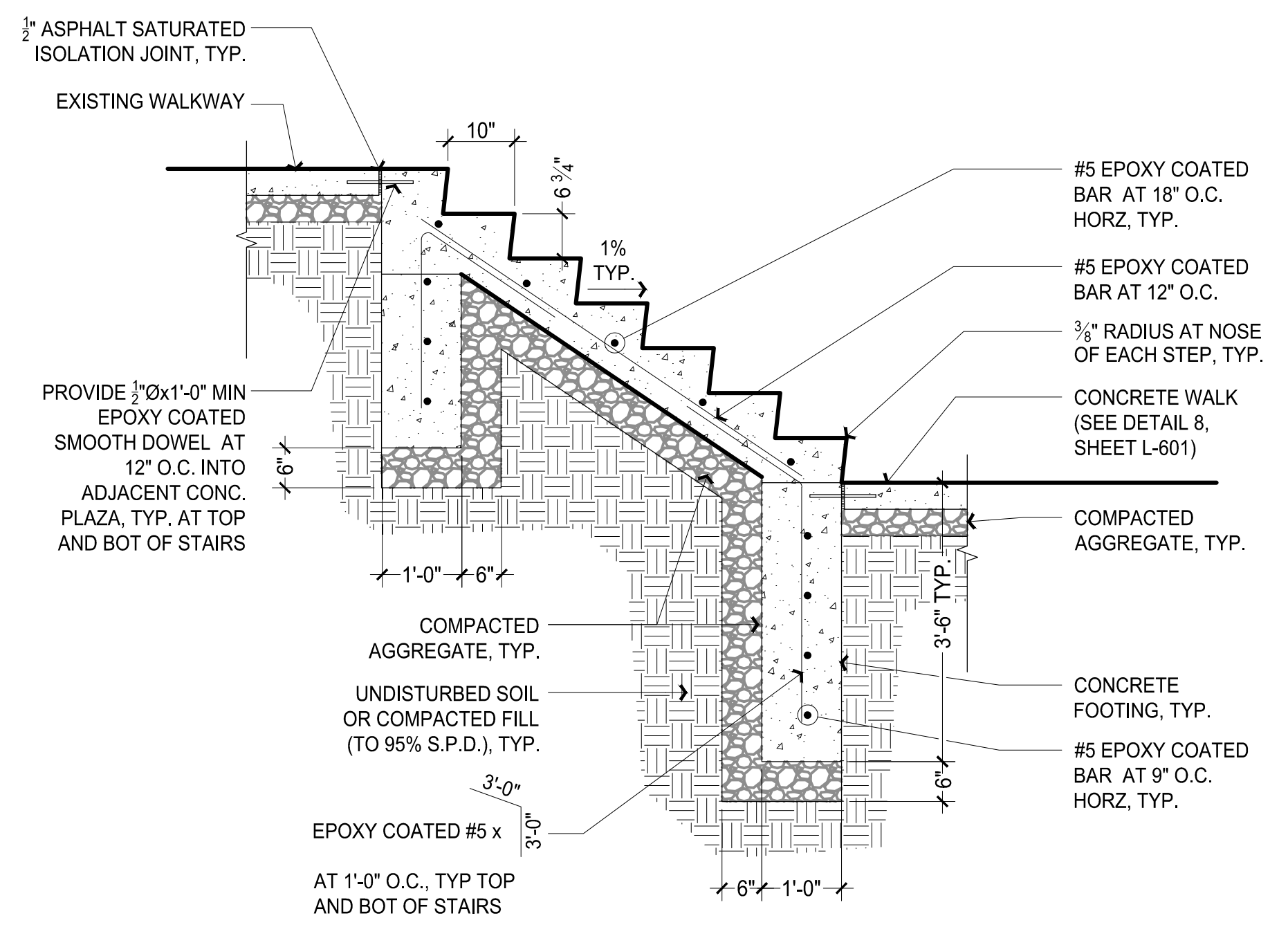
PROJECT NUMBER	PM	DATE
0017-24-0110		

CITY OF FENTON
MILLPOND PARK PLAZA

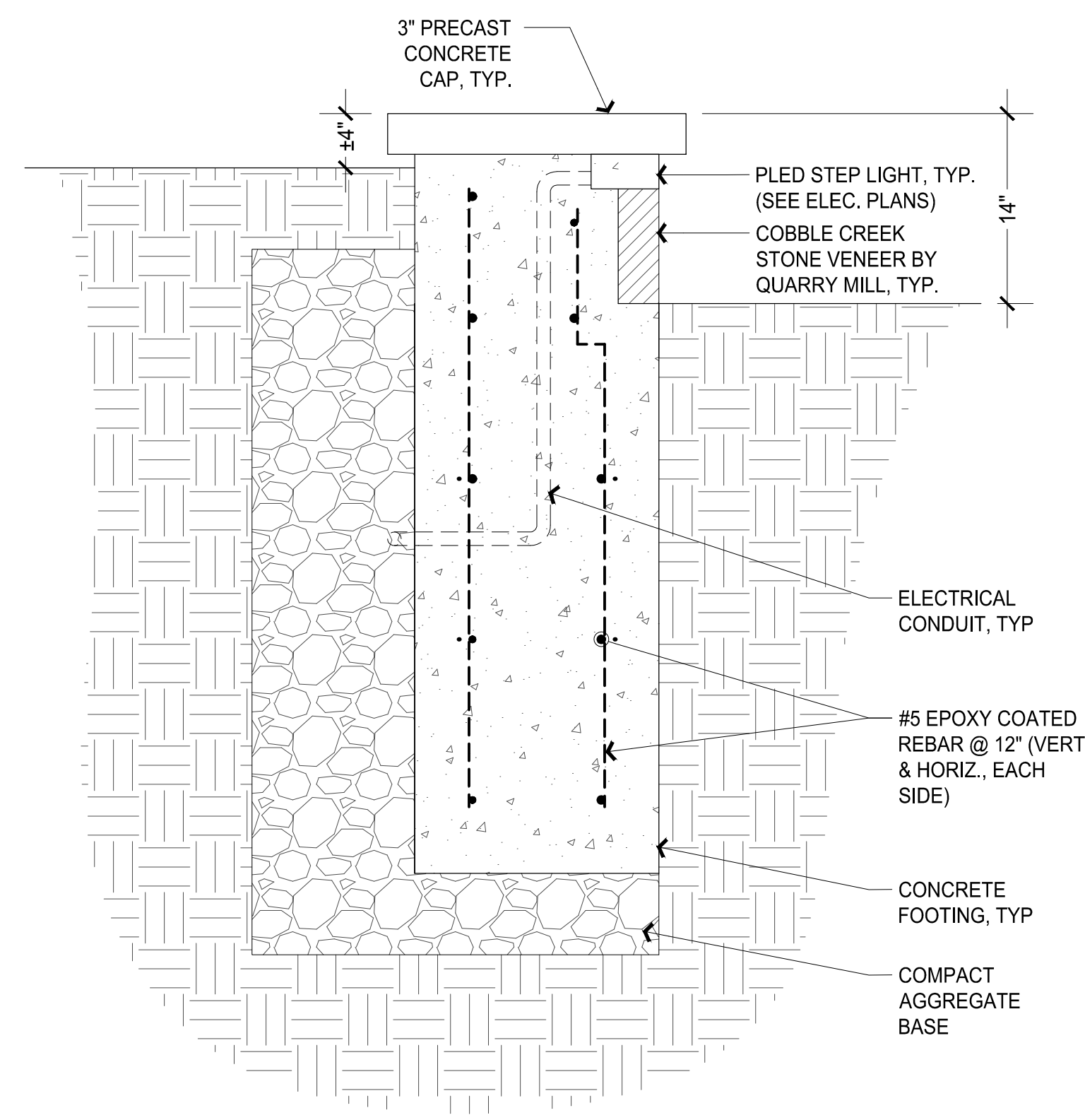
PLANTING AND HARDSCAPE DETAILS

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Plaza\Drawings\PLAN_LDS\Sheet\30110.DWG April 23, 2025 - 11:57 AM

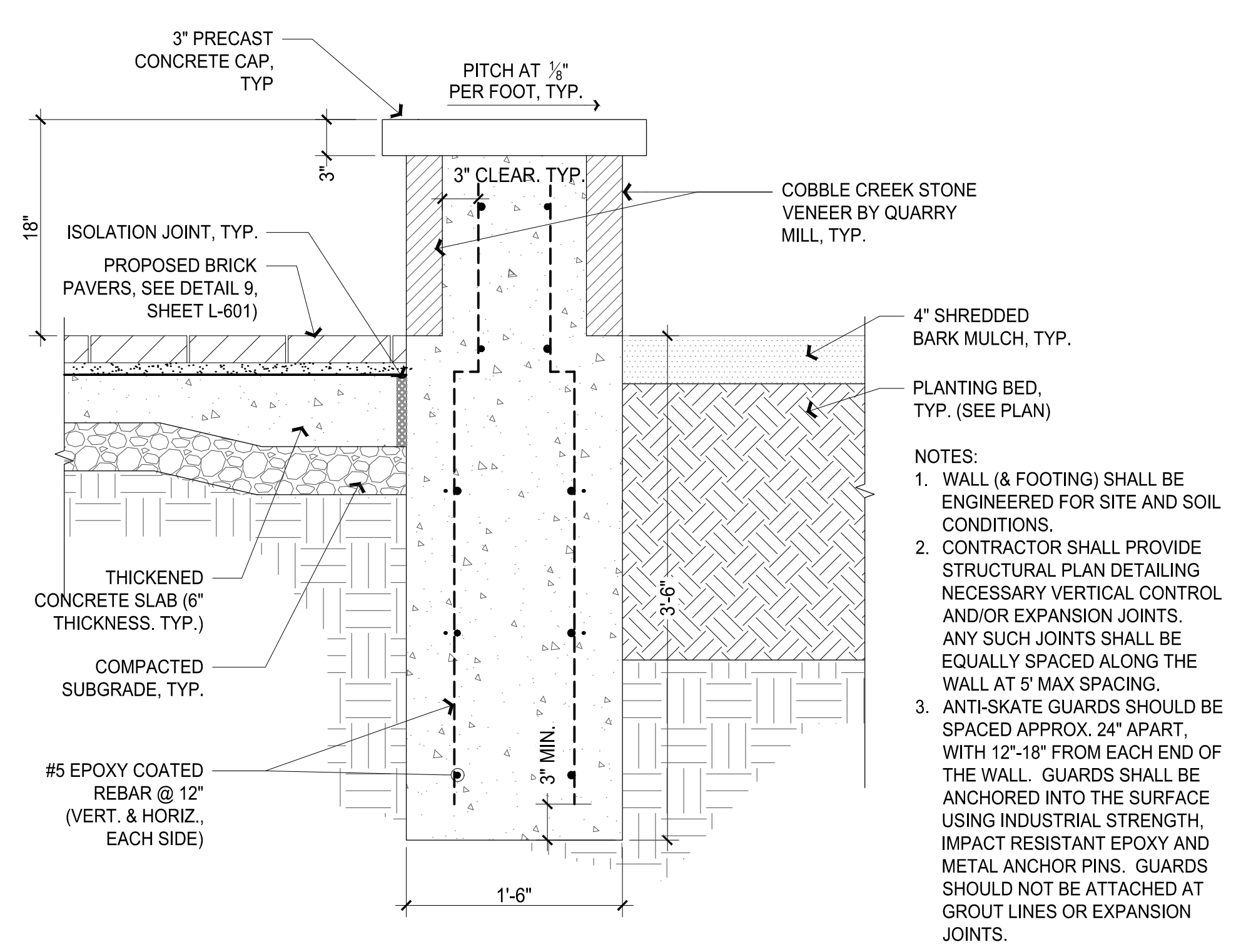
COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



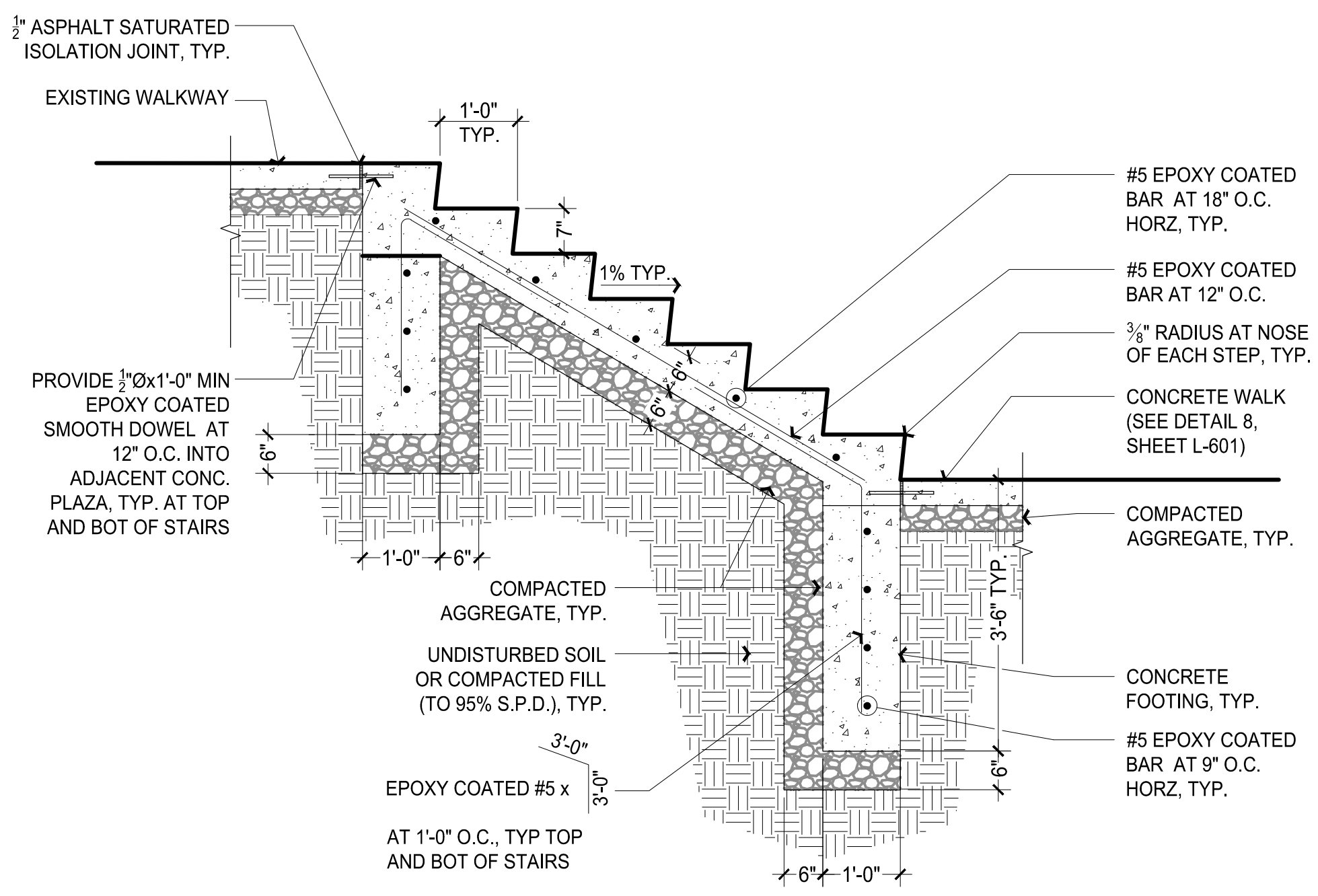
1 BUILDING ENTRY STEP DETAIL
SCALE: 1/2" = 1'-0"



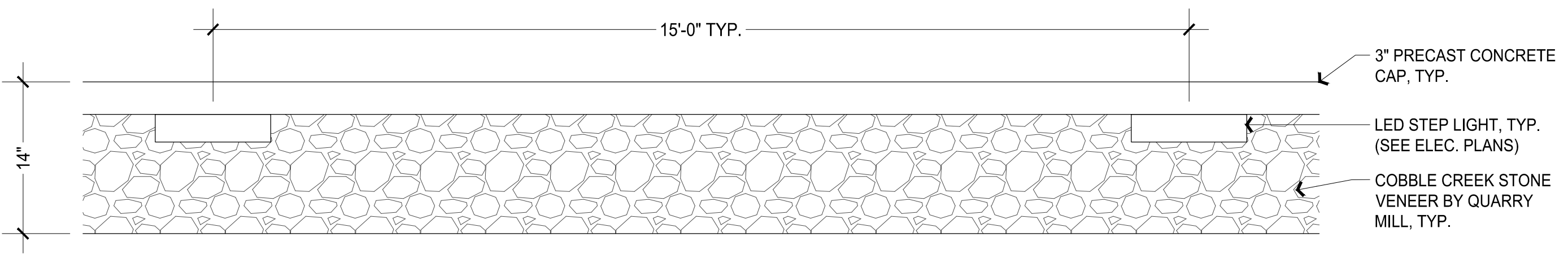
4 AMPHITHEATER SEAT WALL DETAIL
SCALE: 1" = 1'-0"



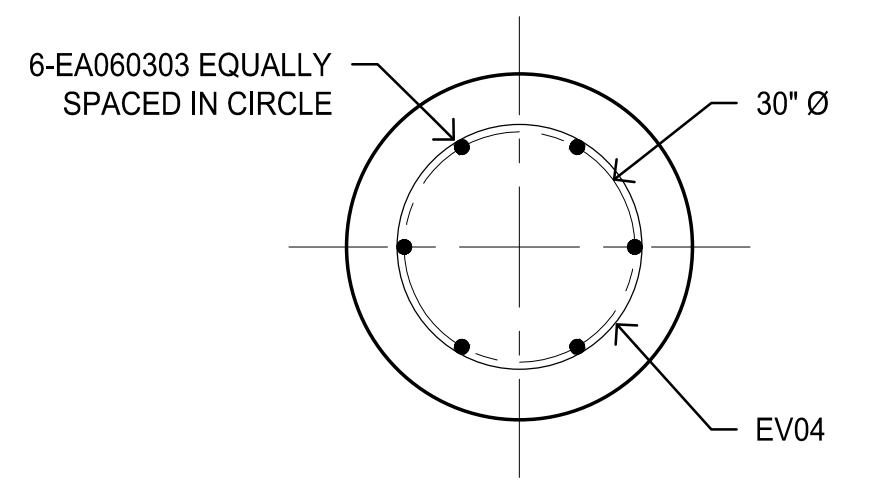
5 CONCRETE SEAT WALL DETAIL
SCALE: 1" = 1'-0"



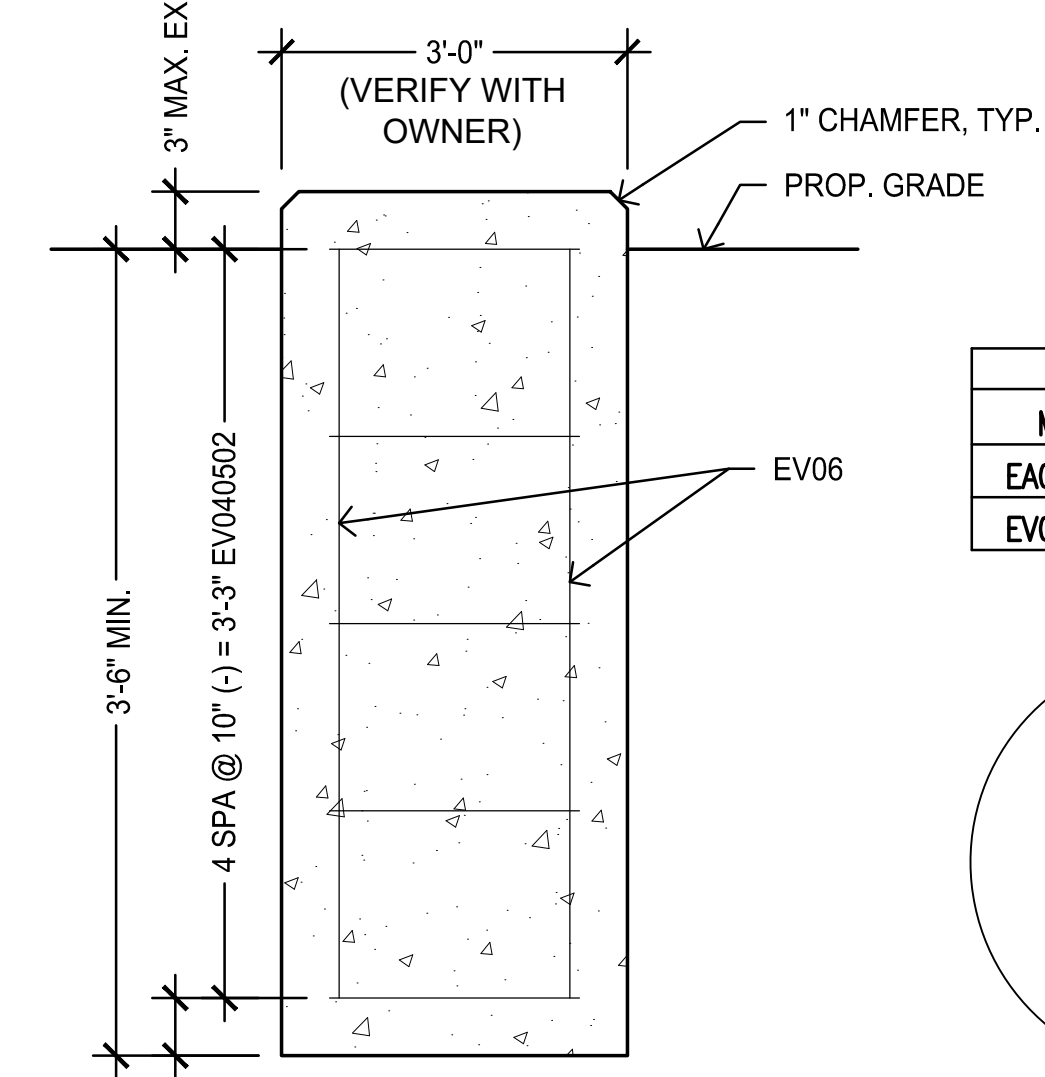
2 PLAZA STEP DETAIL
SCALE: 1/2" = 1'-0"



3 AMPHITHEATER SEAT WALL ELEVATION
SCALE: 1" = 1'-0"

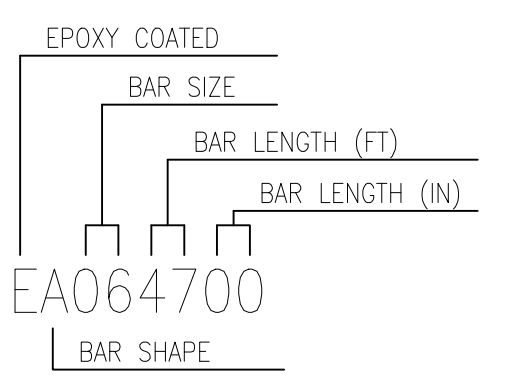


PLAN VIEW



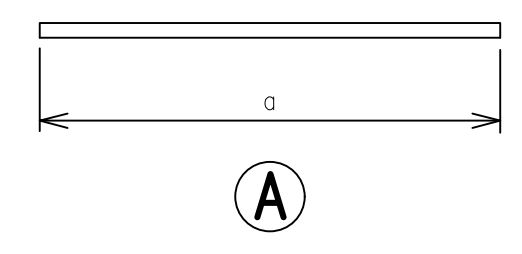
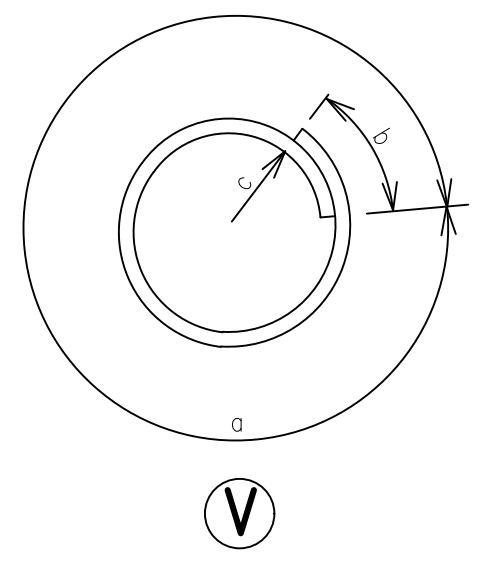
ELEVATION VIEW

BAR LEGEND



REBAR TABLE

MARK	SIZE	DIMENSIONS		
		a	b	c
EA060303	#6	3'-3"		
EV040502	#4	7'-10"	1'-0"	2'-6"



6 STATUE FOOTING DETAIL
NOT TO SCALE

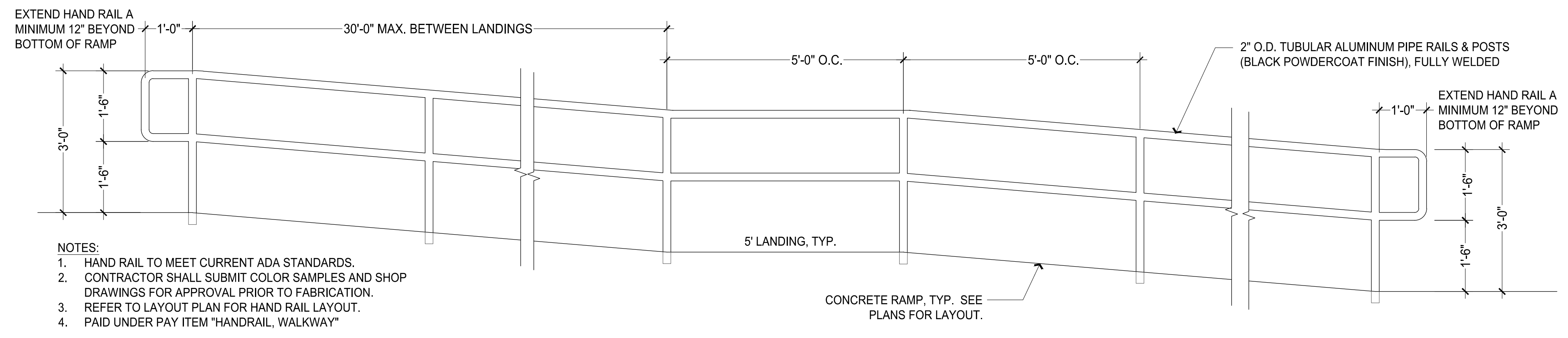
NOT TO SCALE

2020/04/24
DATE
ISSUED FOR: BID DOCUMENTS
REVISION DESCRIPTION

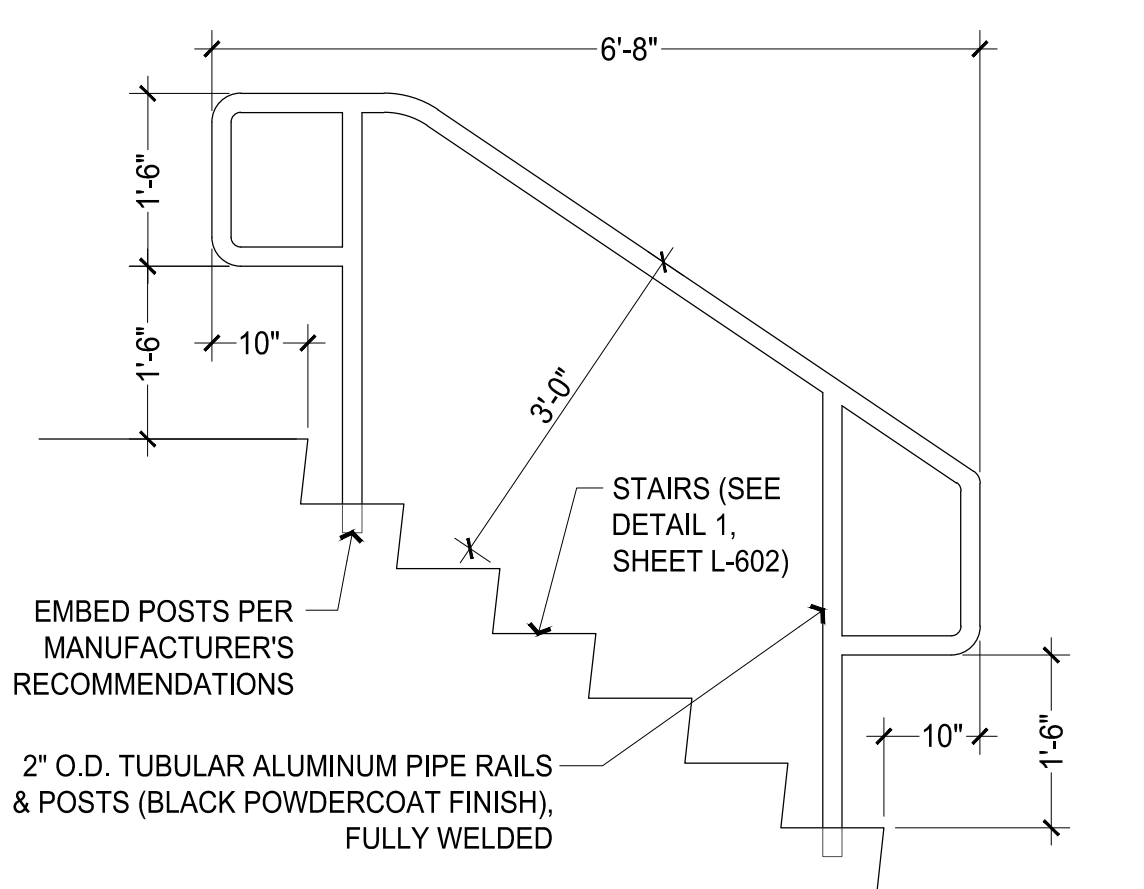
PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
LANDSCAPE WALL DETAILS

DRAWING PATH: P:\0000_0100007240110_MILLPOND_Park_Landscape\PLN_LDS\0100007240110_DET.dwg April 23, 2020 - 11:57 AM

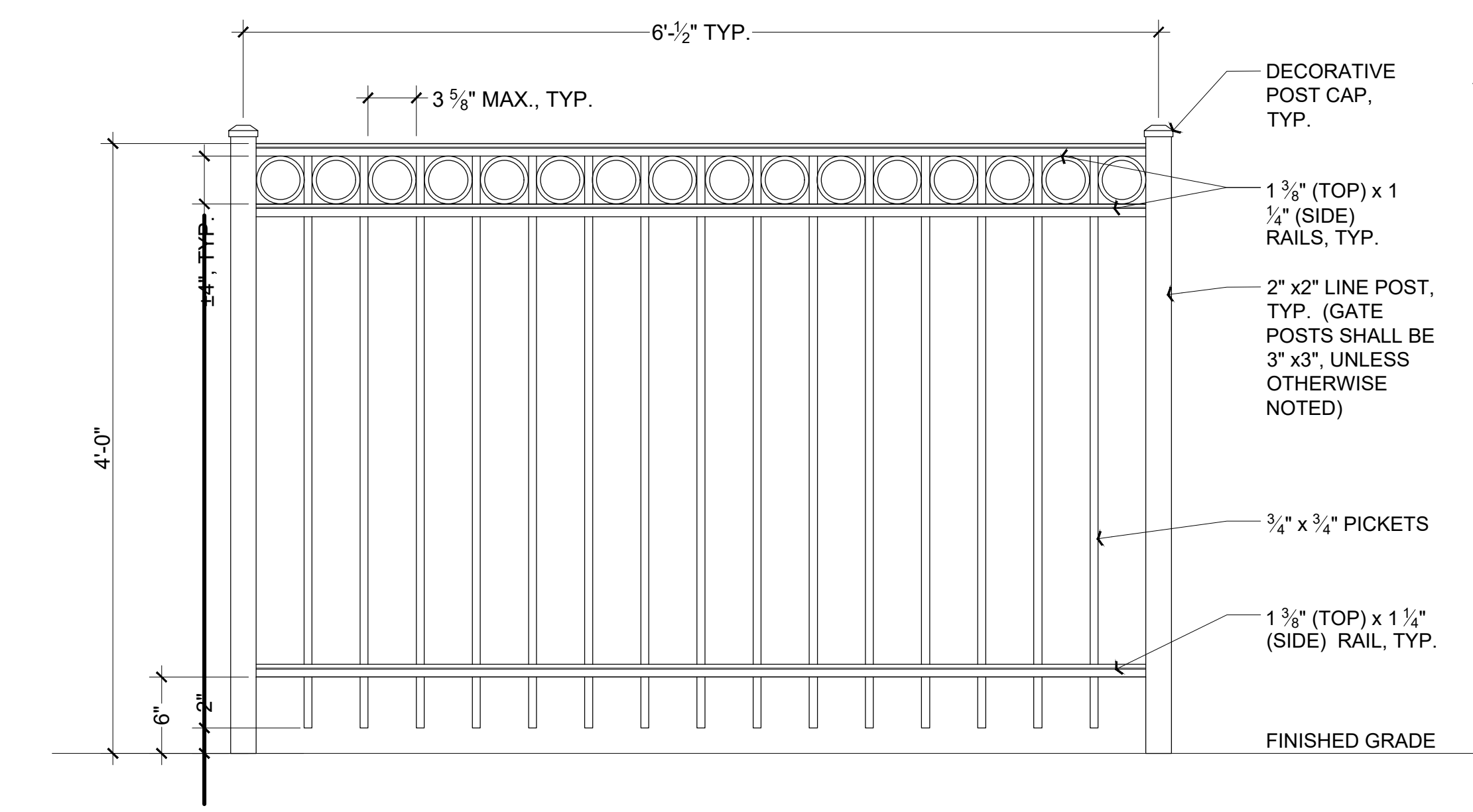
COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



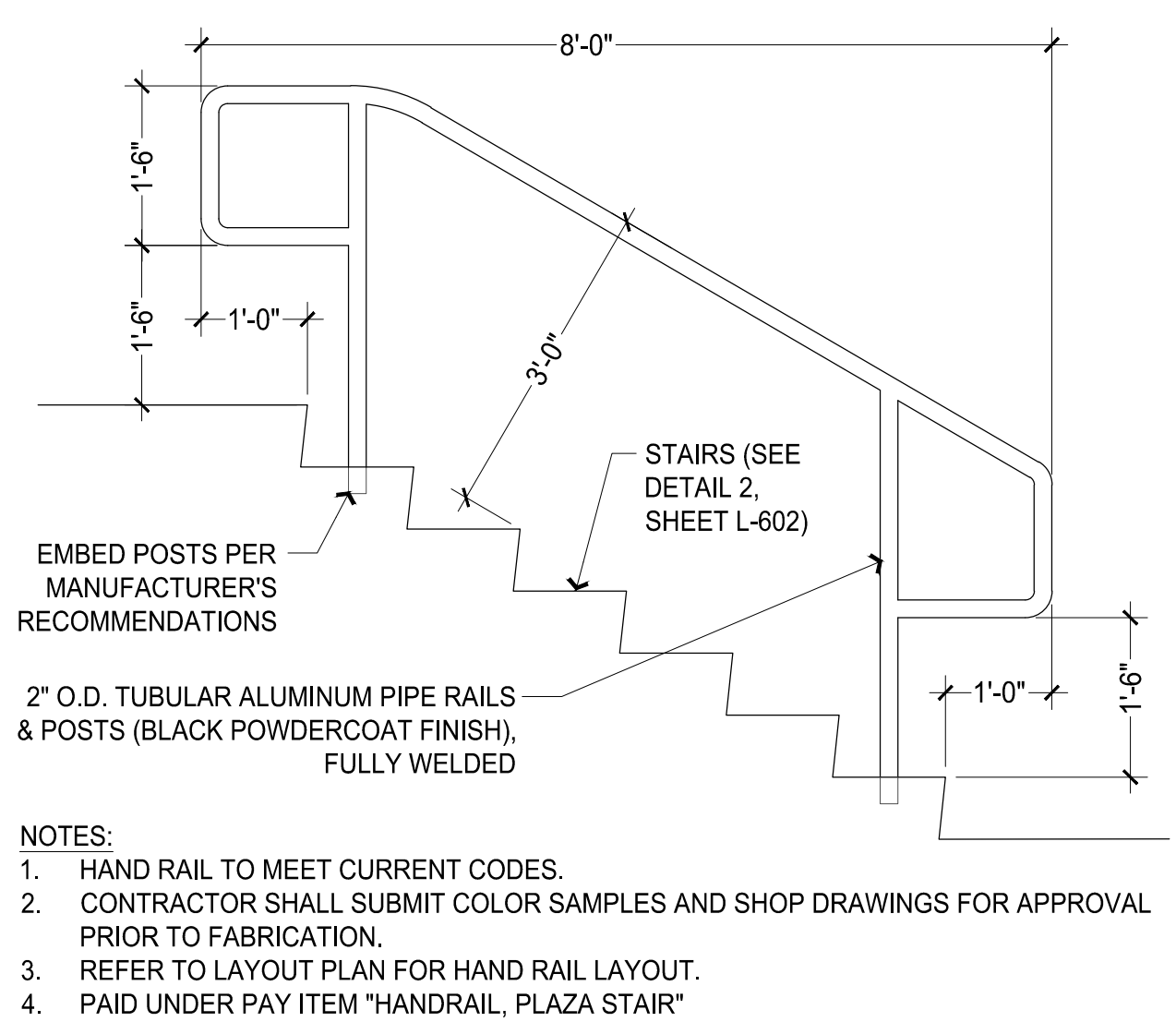
1 WALKWAY HANDRAIL DETAIL
SCALE: 1/2" = 1'-0"



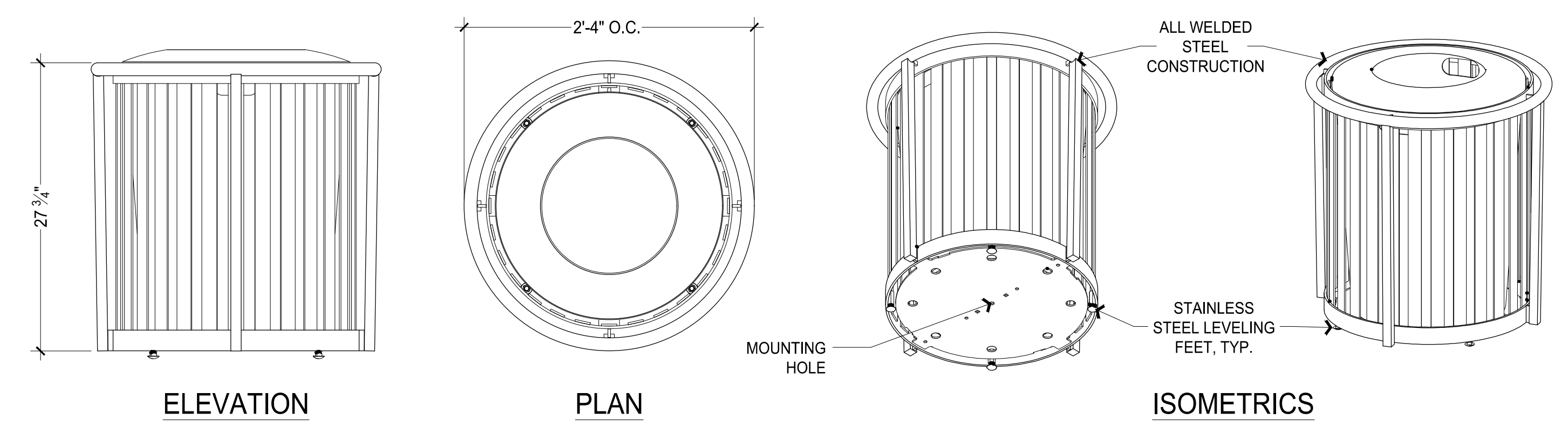
2 BUILDING ENTRY STEP HANDRAIL DETAIL
SCALE: 1/2" = 1'-0"



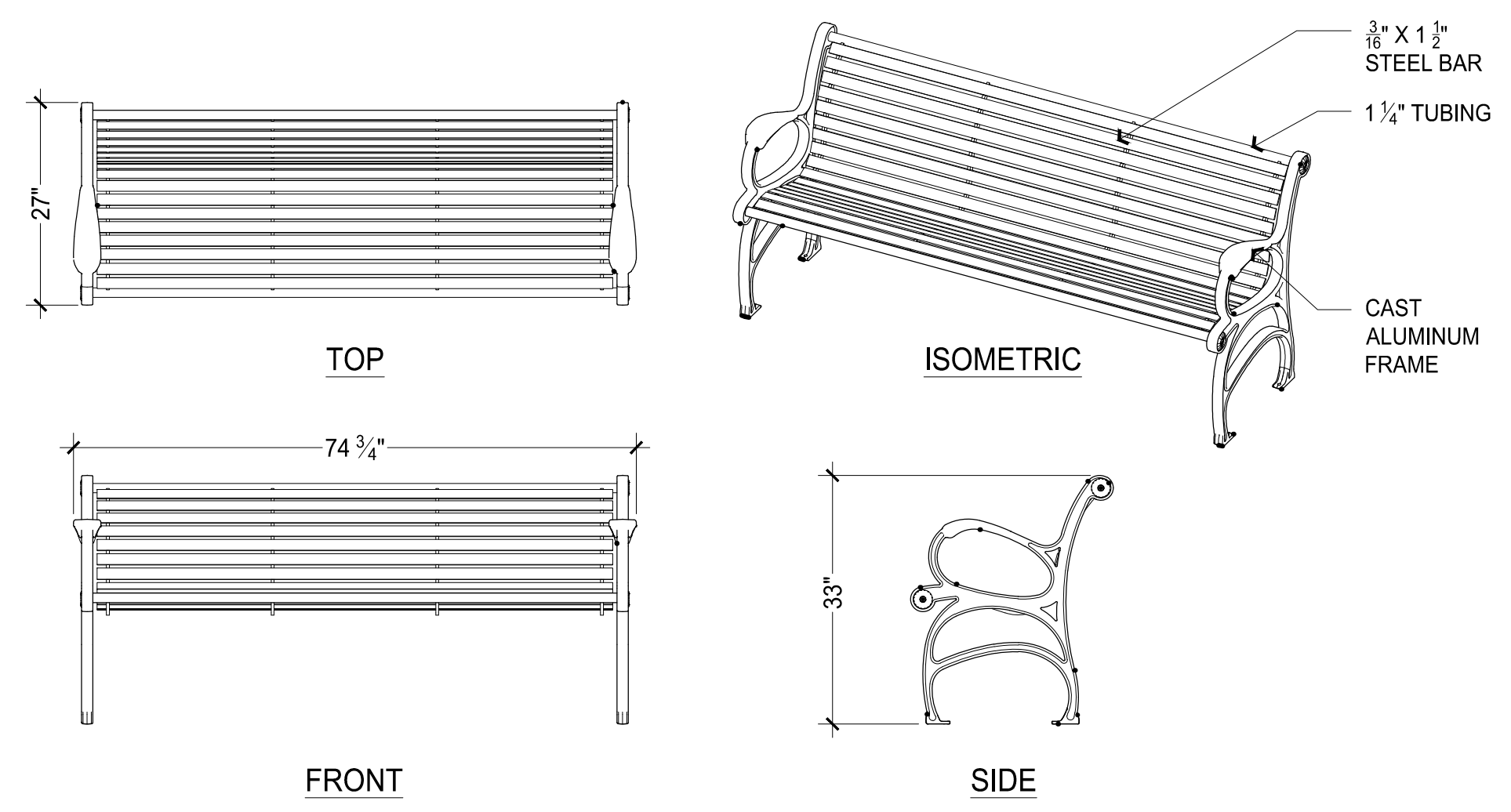
3 ALUMINUM FENCE DETAIL
SCALE: 1" = 1'-0"



4 PLAZA STEP HANDRAIL DETAIL
SCALE: 1/2" = 1'-0"



5 TRASH RECEPTACLE
SCALE: 1" = 1'-0"



6 BENCH
SCALE: 1/2" = 1'-0"

REVISION	DESCRIPTION	DATE

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
FENCE & RAILING DETAILS

DRAWING PATH: P:\0000_010007240110_Mill_Park_Plaza\Drawings\PLAN_L-603.dwg April 23, 2025 - 11:57 AM

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.

ELEC. ABBREVIATIONS

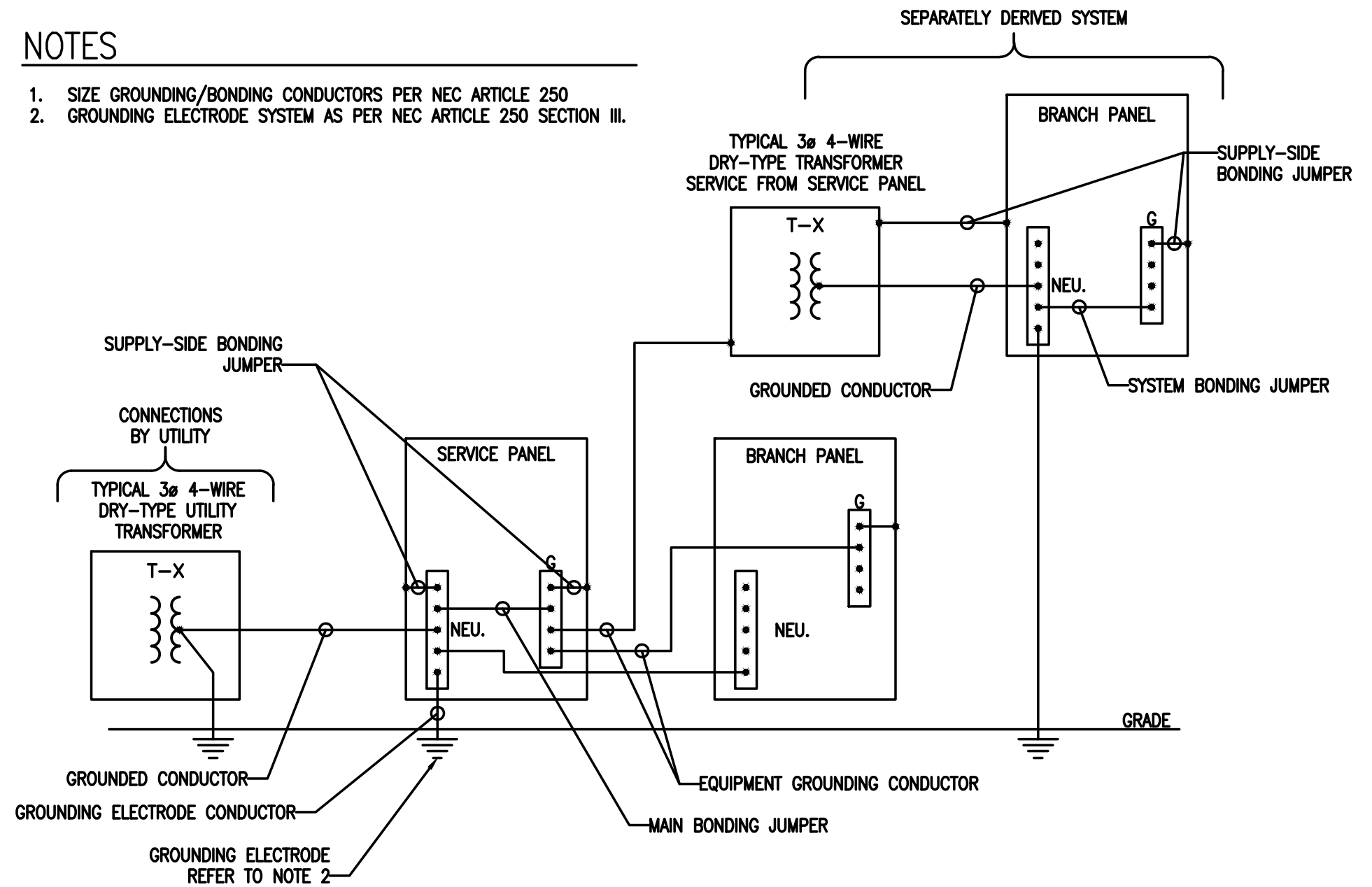
Ø	PHASE
A	AMPERE
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CAT	CATALOGUE
CB	CIRCUIT BREAKER
CMU	CONCRETE MASONRY UNIT
CO.	COMPANY
CUH	CABIN UNIT HEATER
E	ELECTRICAL CONTRACTOR
EC	ELECTRIC DUCT HEATER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
F	FIRE ALARM
G	GROUND FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	EQUIPMENT GROUND
H	HAND OFF AUTO
HOA	HIGH OFF AUTO
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING VENTILATION & AIR CONDITIONING
K	KEY OPERATED DEVICE
KVA	KILOVOLT-AMPERES
KW	KILO-WATTS
L	LED
LED	LIGHT EMITTING DIODE
M	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MTD	MOUNTED
N	NEUTRAL
NO	NUMBER
P	PILOT
PL	PILOT
R	RECEPTACLE
RECP	RECEPTACLE
RTU	ROOF TOP UNIT
T	TELEPHONE TRANSFORMER
TEL	TELEPHONE TRANSFORMER
TV	TELEVISION
TYP	TYPICAL
U	UNDERGROUND ELECTRIC
UGE	UNDERGROUND ELECTRIC
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERES
W	WIRE
WNC	WIRELESS NETWORK CONTROLLER
WP	WEATHERPROOF

GENERAL NOTES – ELECTRICAL

- ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRICAL CODE AND ANY STATE/LOCAL AMENDMENTS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS. UPON COMPLETION OF THE WORK THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER EVIDENCE OF INSPECTION APPROVAL.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED WITH THE ELECTRIC UTILITY SERVING THE FACILITY. UTILITY COSTS SHALL BE PAID BY CONTRACTOR.

NOTES

- SIZE GROUNDING/BONDING CONDUCTORS PER NEC ARTICLE 250
- GROUNDING ELECTRODE SYSTEM AS PER NEC ARTICLE 250 SECTION III.



GROUNDING BONDING DIAGRAM

NO SCALE

ELECTRICAL LEGEND

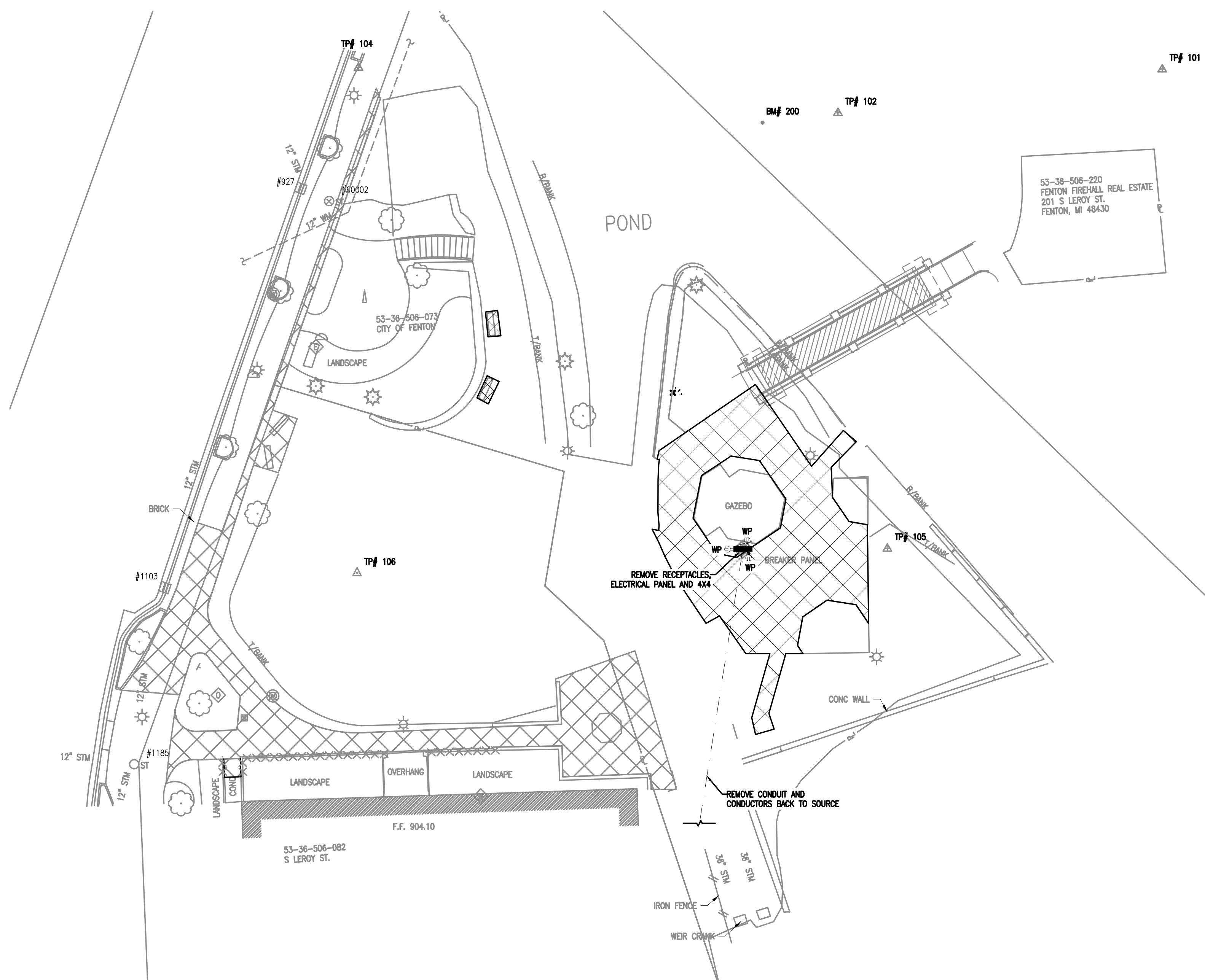
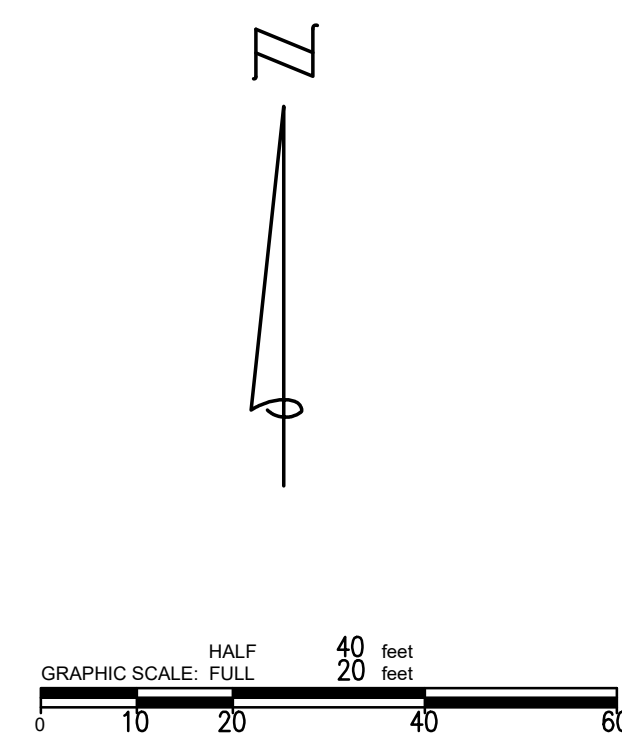
<p>LIGHT FIXTURES</p> <ul style="list-style-type: none"> □ SURFACE / CEILING MOUNT ○ EMERGENCY SURFACE / CEILING MOUNT ○ PENDANT / CHAIN MOUNT ○ EMERGENCY PENDANT / CHAIN MOUNT ○ RECESSED MOUNT ○ EMERGENCY RECESSED MOUNT — TRACK STRIP ○ (INT.) (EXT.) WALL MOUNT ○ (INT.) (EXT.) EMERGENCY WALL MOUNT ○ EXTERIOR POLE MOUNT ○ EXTERIOR POST MOUNT ○ INTERIOR EMERGENCY WALL PACK ○ (WALL) (CEILING) EXIT SIGN ○ (LIGHT) (NO LIGHT) CEILING FAN 	<p>RECEPTACLE OUTLETS</p> <ul style="list-style-type: none"> □ SIMPLEX RECEPTACLE □ DUPLEX GROUNDED RECEPTACLE □ GFCI MOUNTED ABOVE COUNTER □ GFCI MOUNTED ABOVE COUNTER □ DUAL USB PORTS ABOVE COUNTER □ DUAL USB PORTS ABOVE COUNTER □ WEATHERPROOF COVER W/ GFCI □ TAMPERPROOF □ TAMPERPROOF ABOVE COUNTER □ TAMPERPROOF GFCI ABOVE COUNTER □ 208V, 1 Ø STRAIGHT BLADE RECEPT □ DRYER RECEPTACLE □ RANGE RECEPTACLE □ QUADRUPLEX RECEPTACLE □ DUPLEX RECEPT ON EMERGENCY POWER □ FLOOR BOX □ 3Ø RECEPTACLE 	<p>FIRE ALARM SYSTEM</p> <ul style="list-style-type: none"> ○ OUTDOOR BELL / CHIME ○ SMOKE DETECTOR ○ SMOKE DETECTOR WITH AUDIBLE BASE ○ SMOKE/CARBON MONOXIDE DETECTOR ○ DUCT SMOKE DETECTOR ○ HEAT DETECTOR ○ FIRE ALARM HORN/STROBE ○ FIRE ALARM STROBE ○ FIRE ALARM HORN ○ FIRE ALARM SPEAKER/STROBE ○ FIRE ALARM SPEAKER ○ FIRE ALARM PULL STATION ○ ELECTRO/MAG DOOR HOLD OPEN ○ END OF LINE RESISTOR ○ FIRE ALARM FLOW SWITCH ○ FIRE ALARM PRESSURE SWITCH ○ FIRE ALARM TAMPERS SWITCH ○ FIRE ALARM ANNUNCIATOR PANEL ○ FIRE ALARM CONTROL PANEL ○ HOOD SUPPRESSION SYSTEM FIRE ALARM CONTACT 																												
<p>POWER DISTRIBUTION</p> <ul style="list-style-type: none"> □ DISCONNECT SWITCH □ FUSED DISCONNECT SWITCH □ COMBINATION MOTOR STARTER W/ DISCONNECT SWITCH □ MOTOR STARTER □ ELECTRICAL METER □ DISTRIBUTION PANEL □ ELECTRICAL POWER PANEL SURFACE MOUNT □ ELECTRICAL POWER PANEL FLUSH MOUNT □ RELAY □ ELECTRICAL TRANSFORMER □ ELECTRICAL PULL BOX □ VARIABLE FREQUENCY DRIVE ○ SINGLE PHASE MOTOR ○ THREE PHASE MOTOR □ HH HAND HOLE ○ (CEILING) (WALL) (SURFACE) JUNCTION BOX 	<p>SWITCHES: Y = DESIGNATION BELOW Z = ZONE DESIGNATION</p> <ul style="list-style-type: none"> 2 SINGLE POLE 3 TWO POLE 4 THREE WAY 4 FOUR WAY DM DIMMER F FAN K KEY OPERATED LV LOW VOLTAGE M MOTION DETECTION P PILOT LIGHT T TIMER 	<p>TELEPHONE/COMMUNICATIONS</p> <ul style="list-style-type: none"> ○ TELEPHONE ○ FLOOR FURNITURE ○ COAXIAL PORT ○ DATA PORT ○ PHONE PORT ○ WIRELESS ACCESS POINT ○ SPEAKER ○ INTERCOM CALL BOX ○ ENTRANCE CALL SYSTEM ○ BELL ○ MICROPHONE JACK ○ POWER SUPPLY ○ REQUIRES WIRE GUARD ○ NURSE CALL MAIN PANEL ○ NURSE CALL PULL STATION ○ NURSE CALL LIGHT ○ CLOCK 																												
<p>SECURITY</p> <ul style="list-style-type: none"> □ CARD READER □ MAGNETIC SWITCH (DOOR CONTACT) □ ELECTRONIC DOOR LOCK □ MOTORIZED DOOR OPERATOR □ ELECTRIC STRIKE □ KEYPAD ENTRY DEVICE ○ (CEILING) (WALL) SECURITY CAMERA 	<p>SENSORS: X = DESIGNATION BELOW</p> <ul style="list-style-type: none"> ○ DAYLIGHT ○ OCCUPANCY ○ VACANCY 	<p>WIRELESS ACCESS POINT</p> <ul style="list-style-type: none"> □ PB EMERGENCY STOP SWITCH □ PUSH BUTTON SWITCH □ PHOTOCELL ○ CEILING MOUNTED PULL SWITCH ○ WIRELESS NETWORK LIGHTING CONTROLLER ○ XX = CONTROLLER INDICATOR 																												
<p>RAYWAY NOTES</p> <ol style="list-style-type: none"> MINIMUM SIZE OF RIGID CONDUIT SHALL BE 3/4". MINIMUM SIZE OF FLEX CONDUIT SHALL BE 1/2". MINIMUM SIZE WALL BOX IN CMU SHALL BE 4"x4". MINIMUM SIZE OF UNDERGROUND CONDUIT SHALL BE 1 1/4". 	<p>WIRES</p> <table border="1"> <thead> <tr> <th></th> <th>PROPOSED</th> <th>EXISTING</th> <th>DEMOLISH</th> </tr> </thead> <tbody> <tr> <td>POWER CIRCUIT WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>UNDERGROUND WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>SWITCH LOOP WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>UN-SWITCHED HOT WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>LOW VOLTAGE WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>DATA WIRING</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		PROPOSED	EXISTING	DEMOLISH	POWER CIRCUIT WIRING	—	—	—	UNDERGROUND WIRING	—	—	—	SWITCH LOOP WIRING	—	—	—	UN-SWITCHED HOT WIRING	—	—	—	LOW VOLTAGE WIRING	—	—	—	DATA WIRING	—	—	—	
	PROPOSED	EXISTING	DEMOLISH																											
POWER CIRCUIT WIRING	—	—	—																											
UNDERGROUND WIRING	—	—	—																											
SWITCH LOOP WIRING	—	—	—																											
UN-SWITCHED HOT WIRING	—	—	—																											
LOW VOLTAGE WIRING	—	—	—																											
DATA WIRING	—	—	—																											

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Park_Plaza\Drawings\PLAN_LDS\Sheet\30110A-ELE-Elec.dwg Apr 23 2025 11:55 AM

ISSUED FOR: BID DOCUMENTS
REVISION DESCRIPTION
2025/04/24 DATE

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



EXISTING BRANCH PANEL DESCRIPTION: EXISTING PANEL SURFACE MOUNT, 240/120V, 1φ, 3W, 100A, MLO, 6 CIRCUIT, 10k SSCR, LOCATED BY GAZEBO

IDENTIFICATION	KVA LOAD			WIRE	POLE	AMP	CIRCUIT	CIRCUIT	AMP	POLE	WIRE	KVA LOAD			IDENTIFICATION
	A	B	C									A	B	C	
RECEPT RIGHT	-	-	-	12	1	20	1	2	20	1	12	-	-	-	RECEPTS LEFT
SPARE	-	-	-	12	1	20	3	4	20	1	12	-	-	-	SPACE
SPARE	-	-	-	12	1	20	5	6	20	1	12	-	-	-	LIGHTS
CONNECTED LOAD	###	###	###									###	###	###	CONNECTED LOAD

EXISTING GAZEBO LIGHTING PANEL DESCRIPTION: EXISTING PANEL SURFACE MOUNT, 208Y/120V, 3φ, 4W, 100A, MCB, 18 CIRCUIT, 10k SSCR, LOCATED IN POLICE GARAGE

IDENTIFICATION	KVA LOAD			WIRE	POLE	AMP	CIRCUIT	CIRCUIT	AMP	POLE	WIRE	KVA LOAD			IDENTIFICATION
	A	B	C									A	B	C	
PLUGS	-	-	-	12	1	20	1	2	30	2	12	-	-	-	GAZEBO PANEL
HTS	-	-	-	12	1	20	3	4	20	1	12	-	-	-	SPACE
HTS	-	-	-	12	1	20	5	6	20	1	12	-	-	-	SPACE
PLUG AND CLASSROOM	-	-	-	12	1	20	7	8	20	1	12	-	-	-	SPACE
PARKING LOT LIGHTS	-	-	-	12	1	20	9	10	20	1	12	-	-	-	SPACE
SPRINKLERS P.D	-	-	-	12	1	20	11	12	20	1	12	-	-	-	SPACE
SPACE	-	-	-	12	1	20	13	14	20	1	12	-	-	-	SPACE
SPACE	-	-	-	12	1	20	15	16	20	1	12	-	-	-	SPACE
SPACE	-	-	-	12	1	20	17	18	20	1	12	-	-	-	SPACE
CONNECTED LOAD	###	###	###									###	###	###	CONNECTED LOAD

1 ELECTRICAL SITE DEMOLITION PLAN
1" = 20'



Know what's below.
Call before you dig.

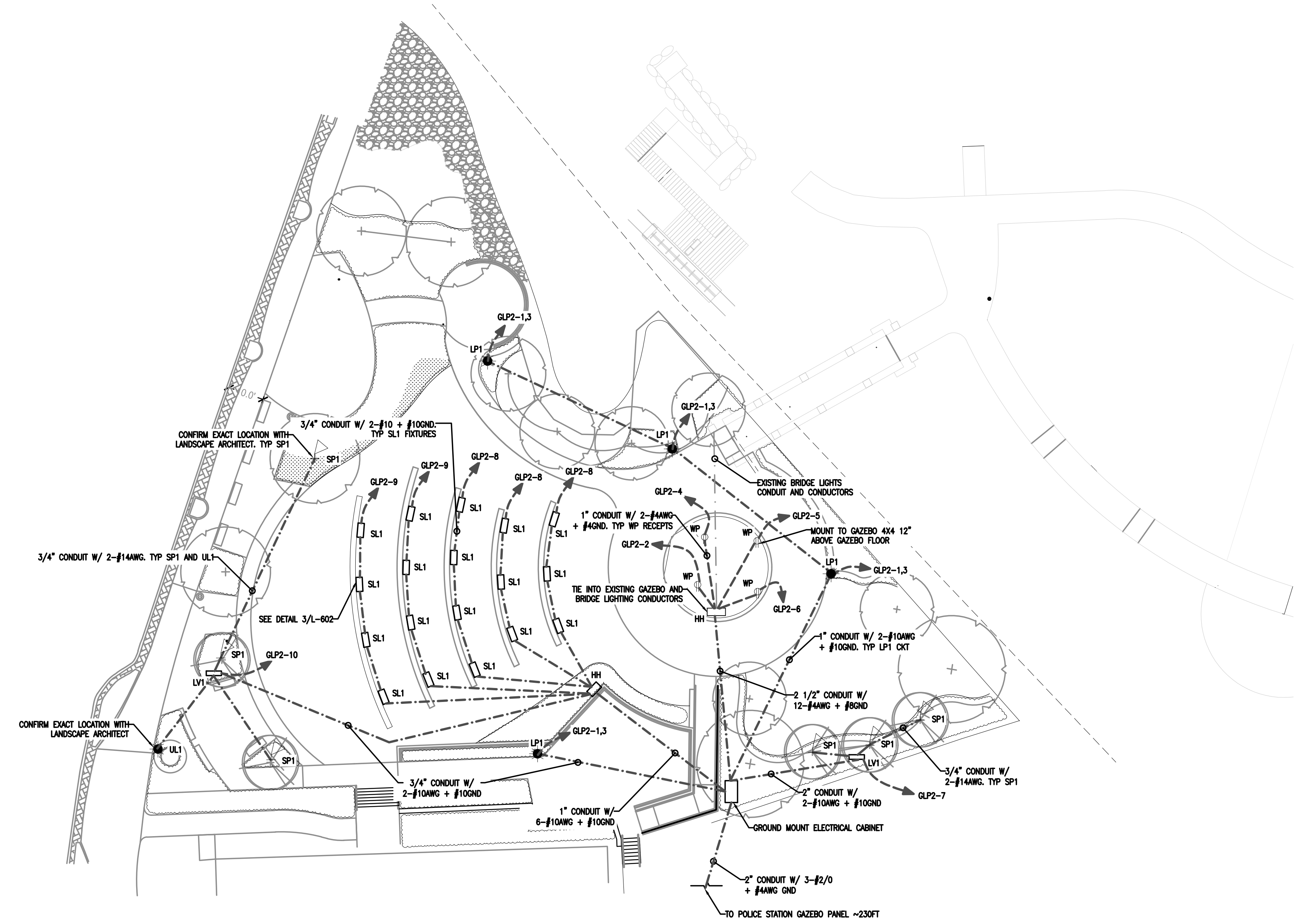
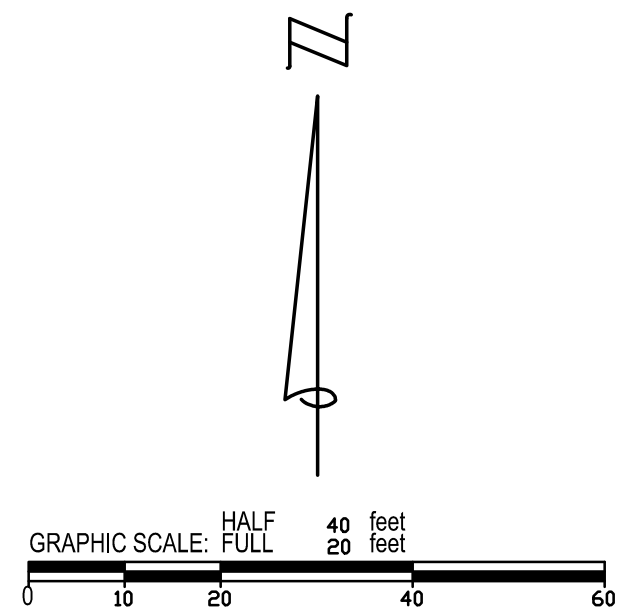
PROJECT NUMBER: 0017-24-0110
ISSUED FOR: BID DOCUMENTS
REVISION: _____
DATE: 2026/04/24

CITY OF FENTON
MILLPOND PARK PLAZA
ELECTRICAL SITE DEMOLITION PLAN

ED-101

DRAWING PATH: P:\0000_010000724010_ML_Park_Plaza\Drawings\SAs\Sheets\ED101\RELI_Elect.dwg April 23, 2026 - 11:57 AM

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



1 ELECTRICAL SITE PLAN
1" = 20'

ISSUED FOR:	BID DOCUMENTS	DATE
REVISION	DESCRIPTION	

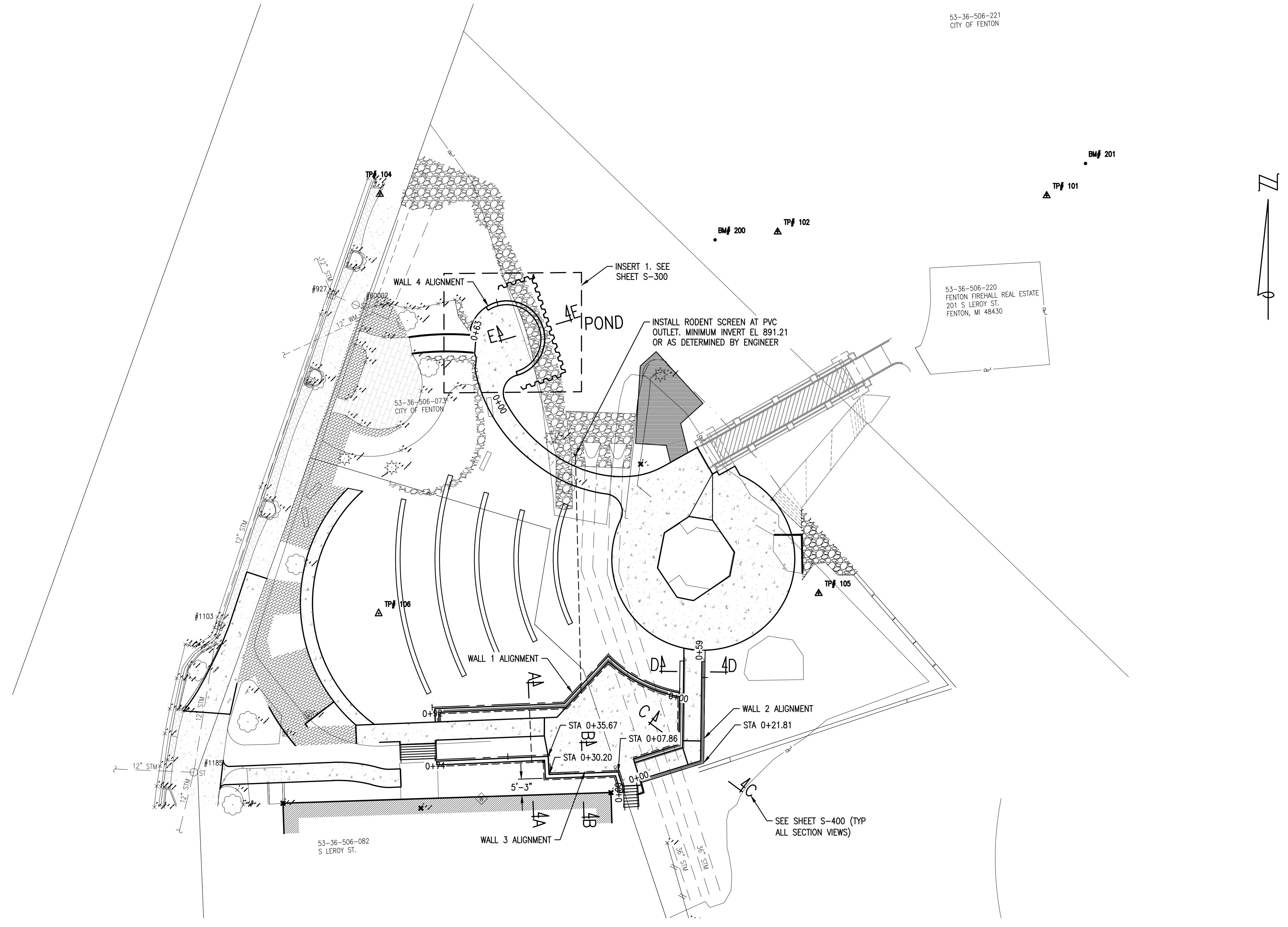
PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
ELECTRICAL SITE PLAN



Know what's below.
Call before you dig.

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Plaza\Drawings\PLAN_LDS\Sheet\ES-101\MTRL_Elect.dwg App 23, 2025 - 11:57 AM

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



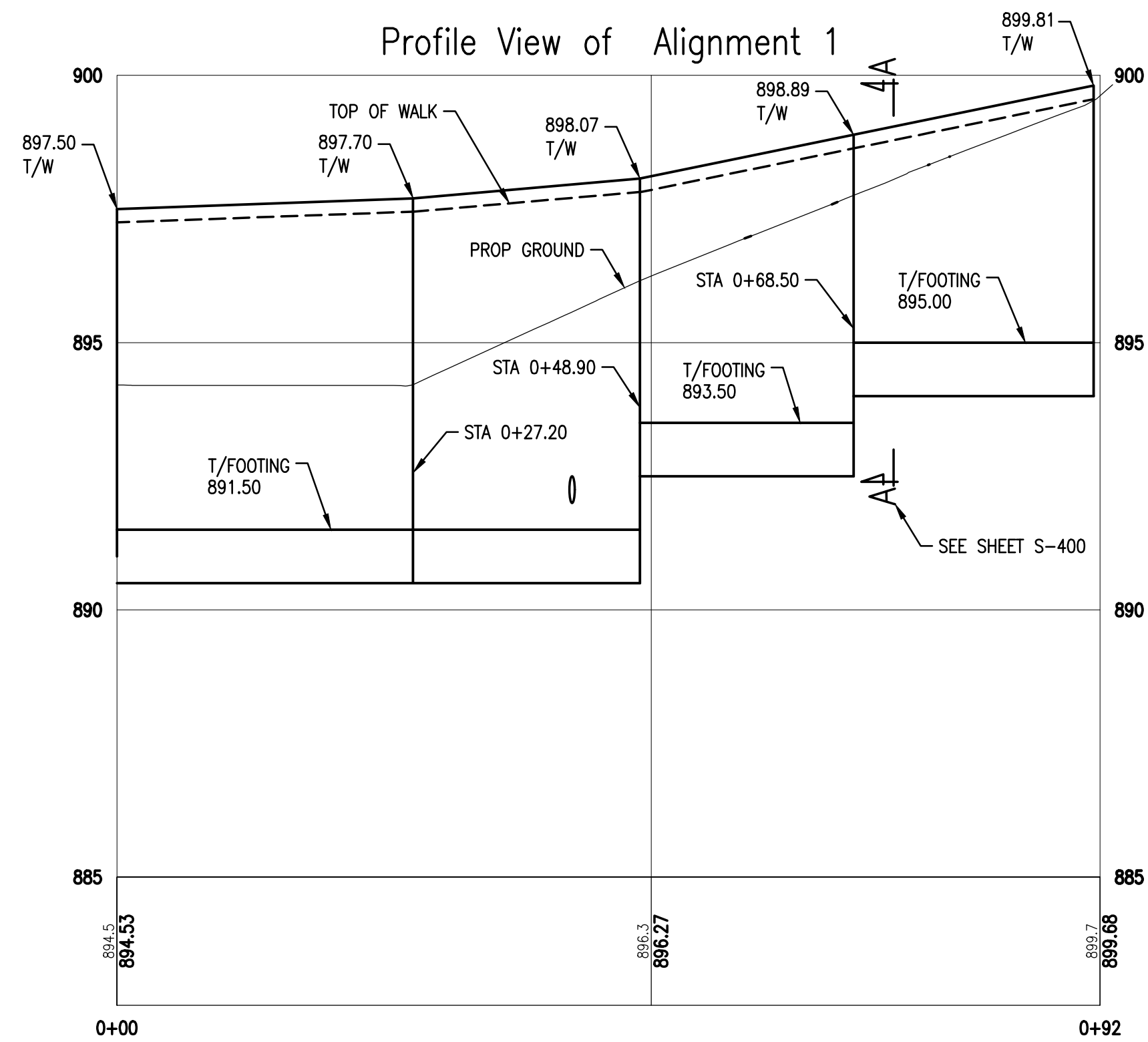
GENERAL PLAN OF SITE

ISSUED FOR:	BID DOCUMENTS	DATE
REVISION	DESCRIPTION	

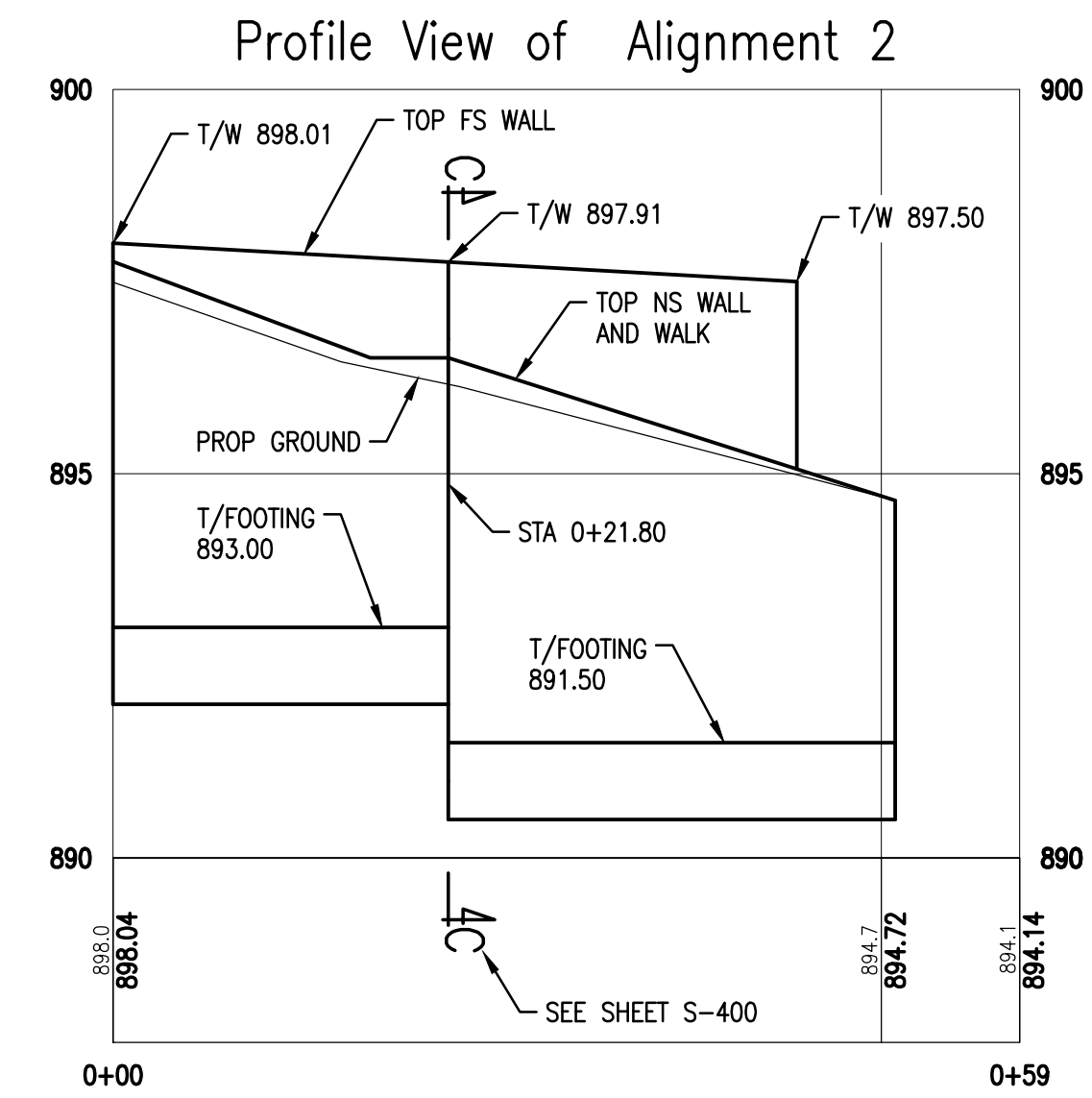
PROJECT NUMBER: 0017-24-0110
 CITY OF FENTON
 MILLPOND PARK PLAZA
 GENERAL PLAN OF SITE

DRAWING PATH: P:\0000_0100\007240110_Mill_Pond_Park_Plaza\Drawings\GIS\Sheet\0110S1TR.dwg Apr 29, 2026 - 11:58 AM

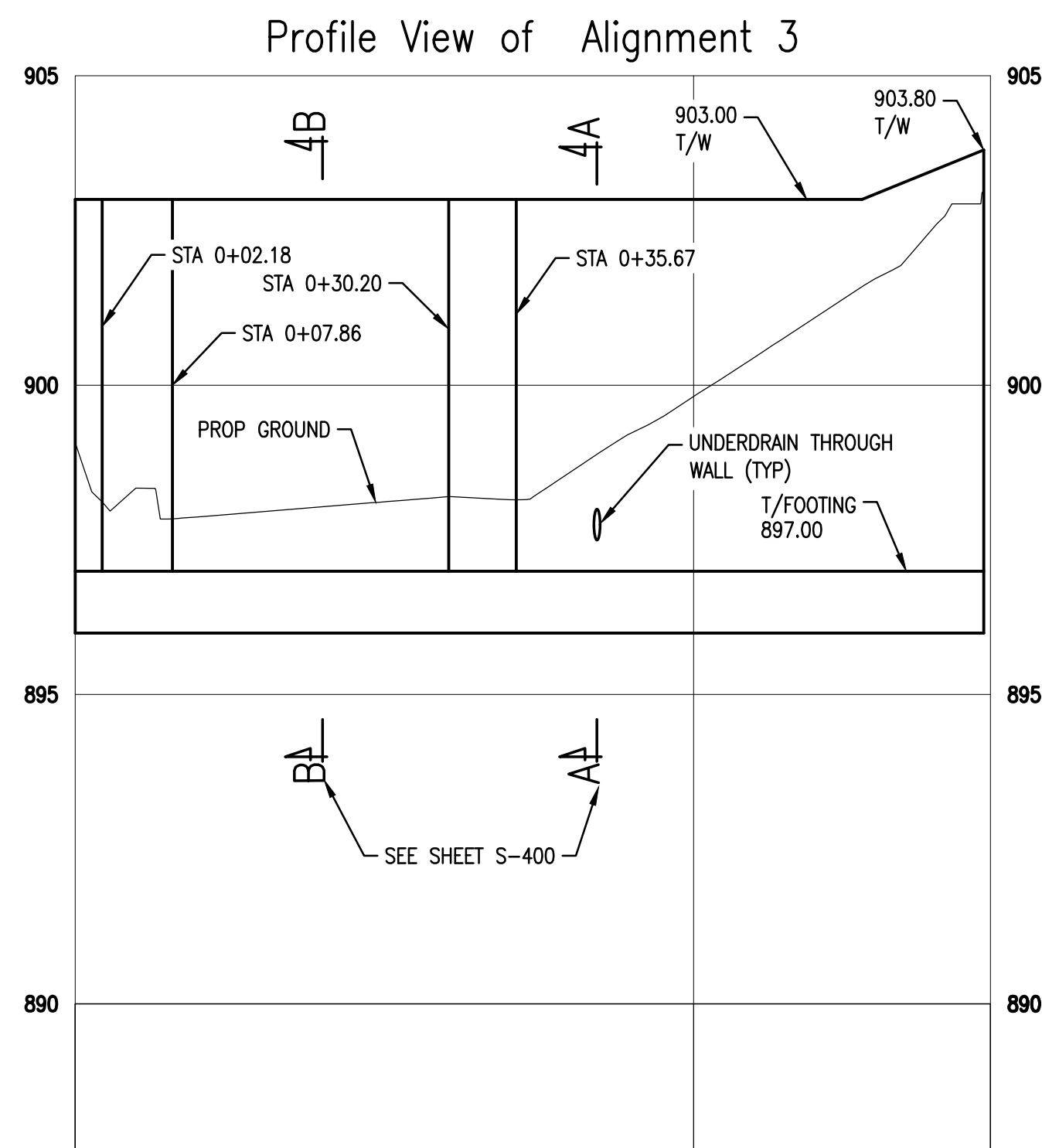
COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



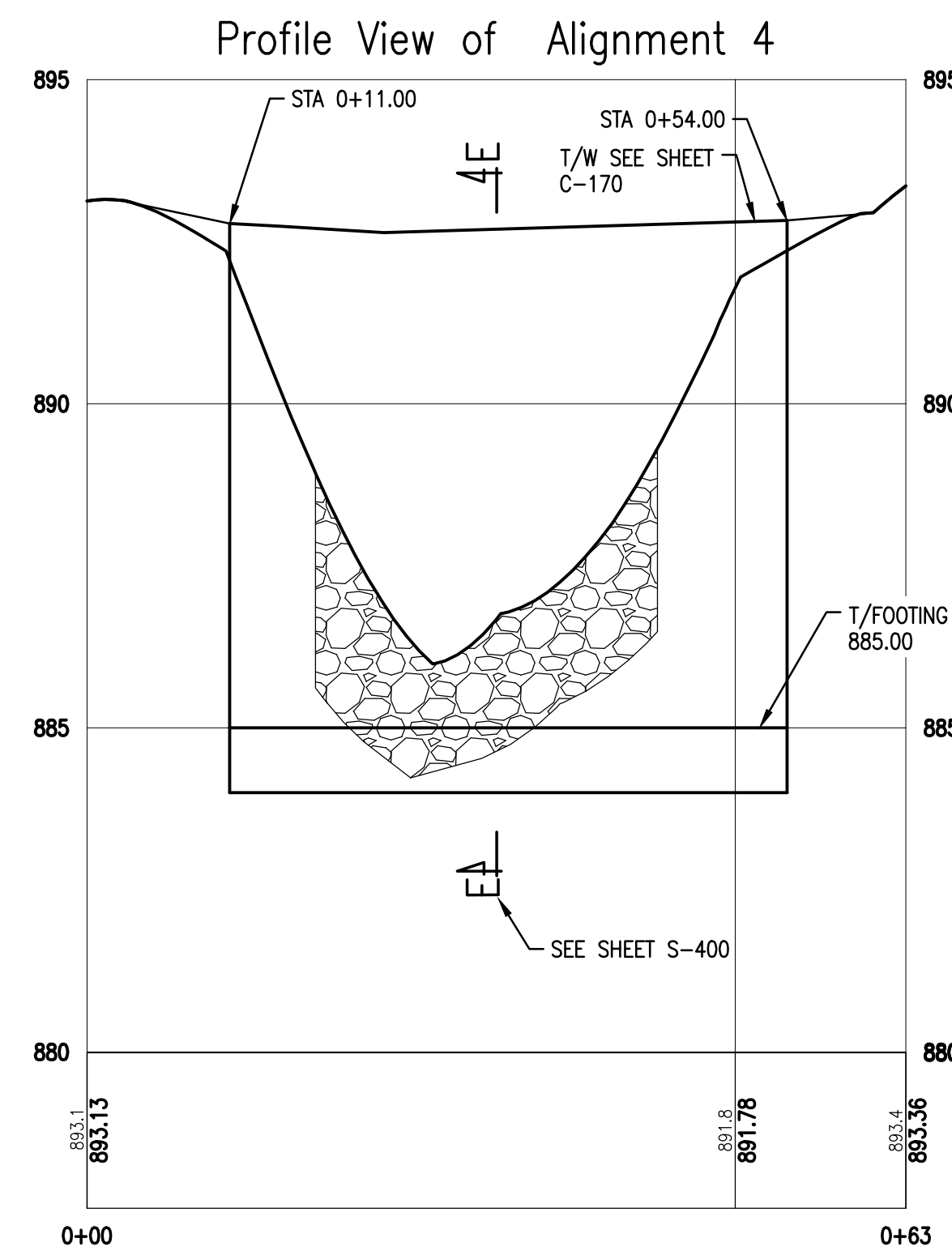
PROFILE VIEW OF ALIGNMENT 1



PROFILE VIEW OF ALIGNMENT 2



PROFILE VIEW OF ALIGNMENT 3



PROFILE VIEW OF ALIGNMENT 4

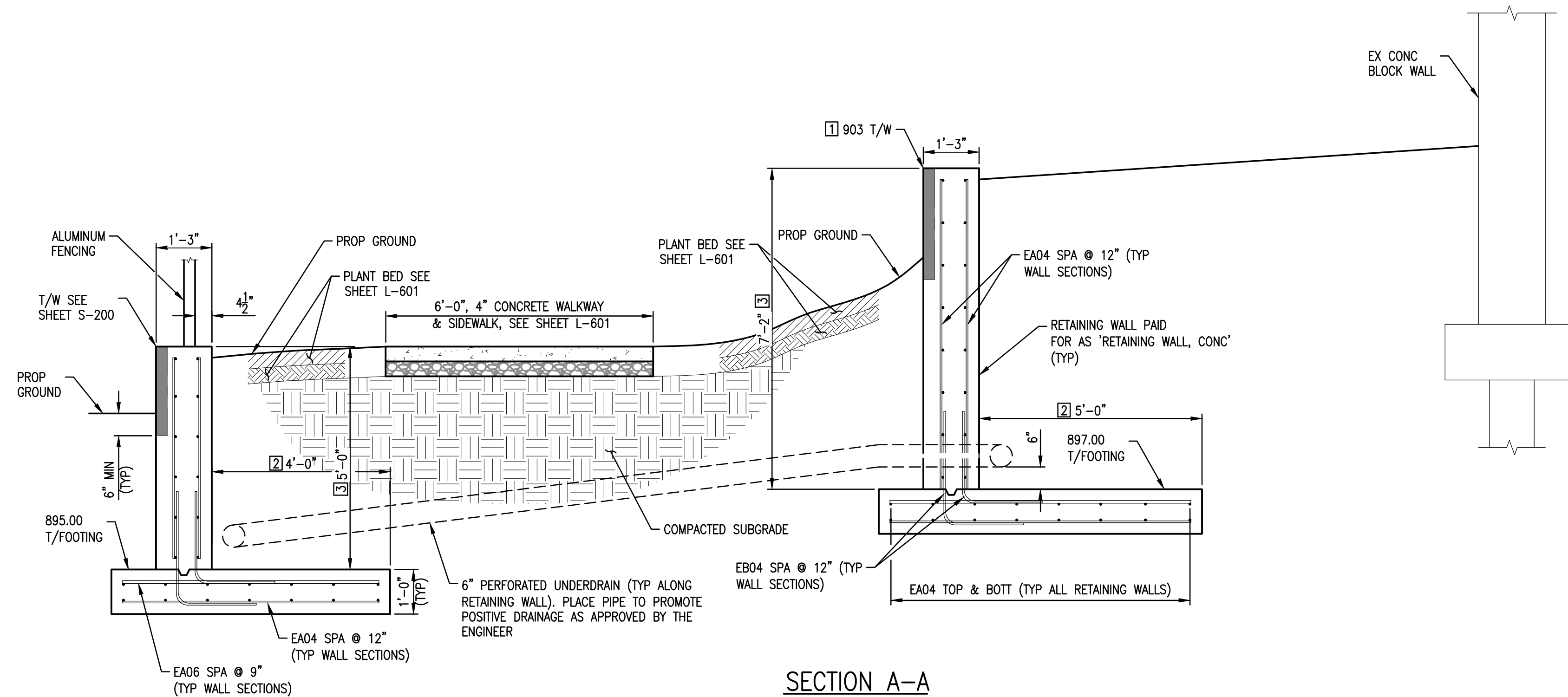
TW TOP OF WALK
T/W TOP OF WALL
NS NEAR SIDE
FS FAR SIDE

ISSUED FOR:	BID DOCUMENTS	DATE
REVISION	DESCRIPTION	

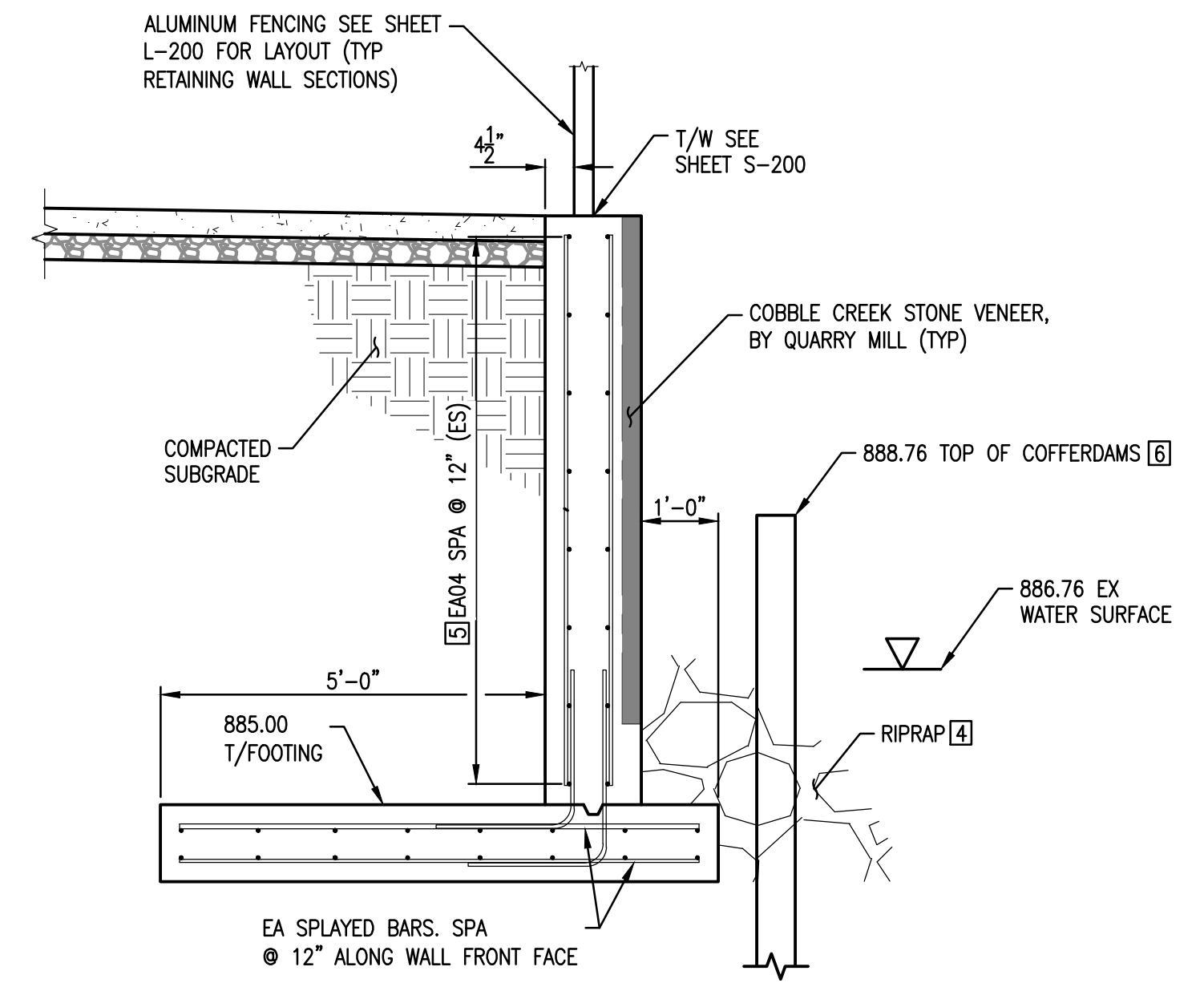
PROJECT NUMBER: 0017-24-0110
 CITY OF FENTON
 MILLPOND PARK PLAZA
 RETAINING WALL PROFILE VIEWS

DRAWING PATH: P:\0000_0100007240110_Mill_Pond_Park_Plaza\Drawings\Civil\Sheet\0110S2R.dwg Apr 29, 2026 - 11:57 AM

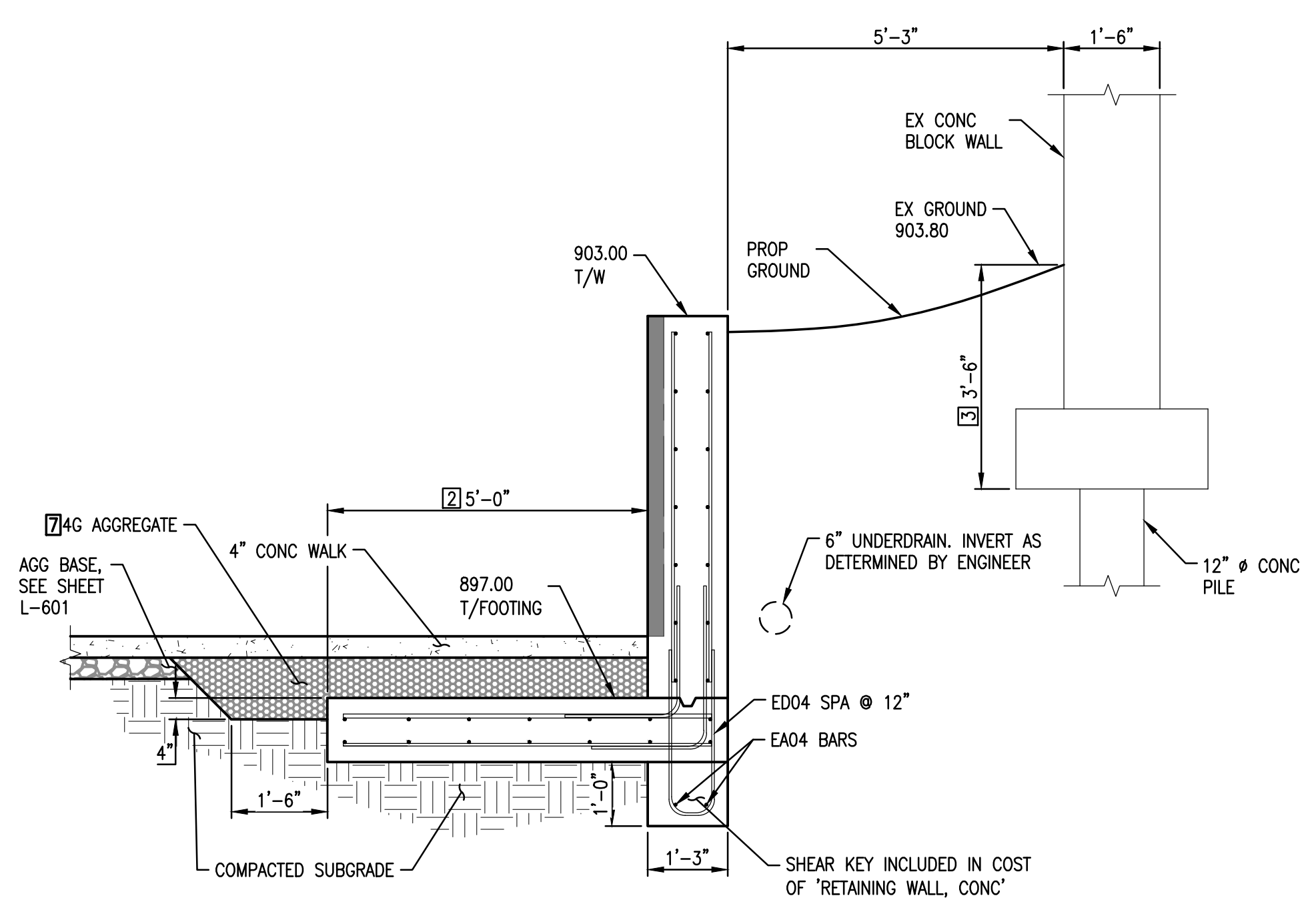
COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



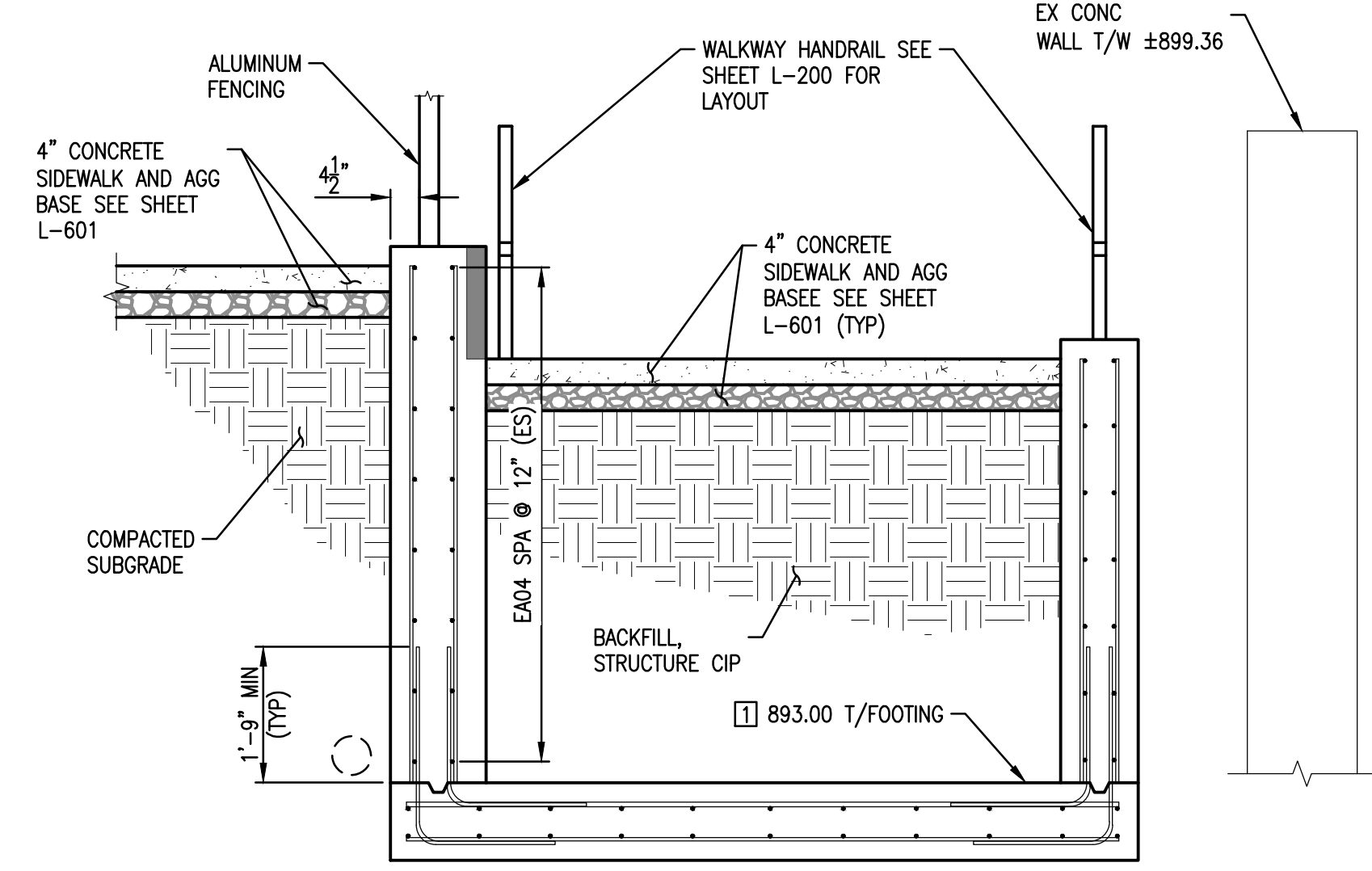
SECTION A-A



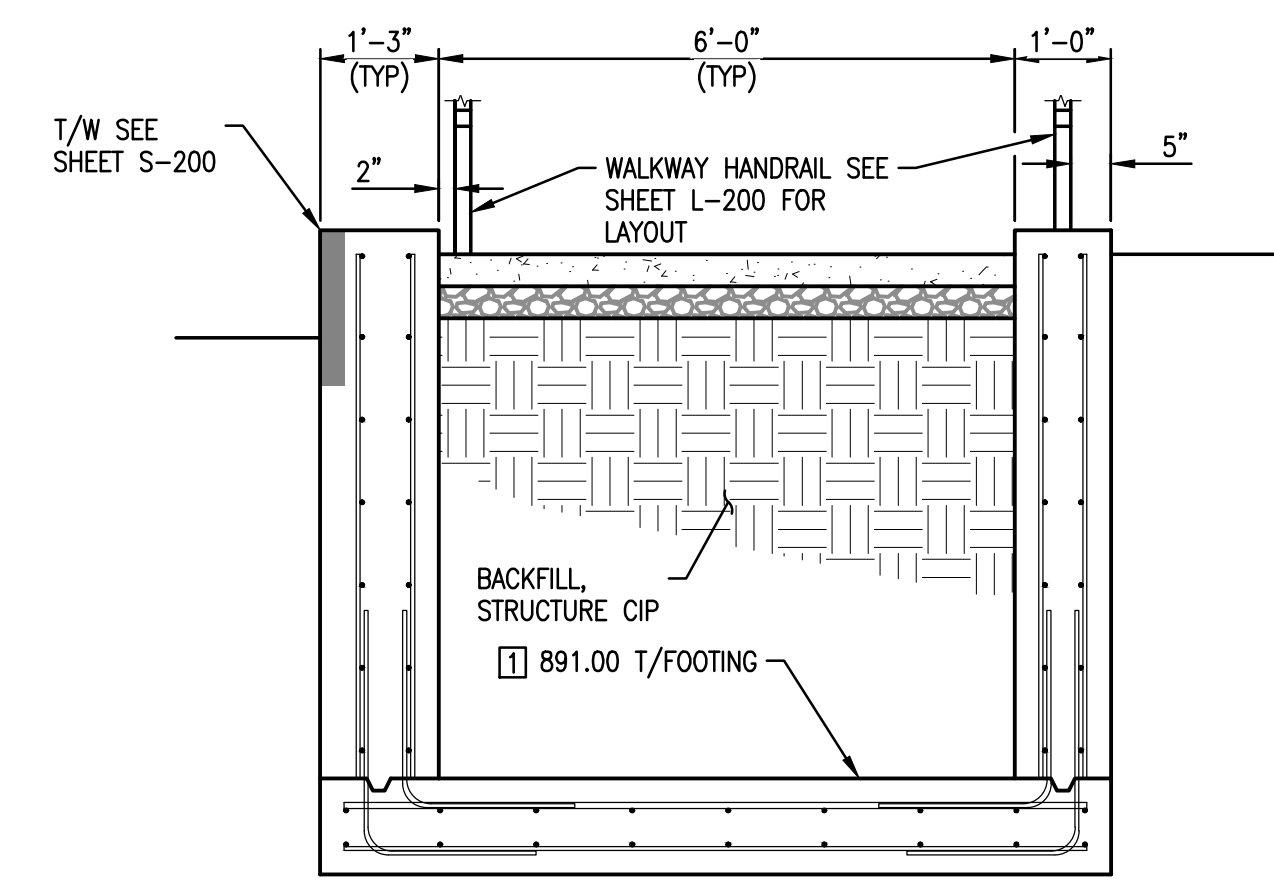
SECTION E-E



SECTION B-B



SECTION C-C



SECTION D-D

NOTES

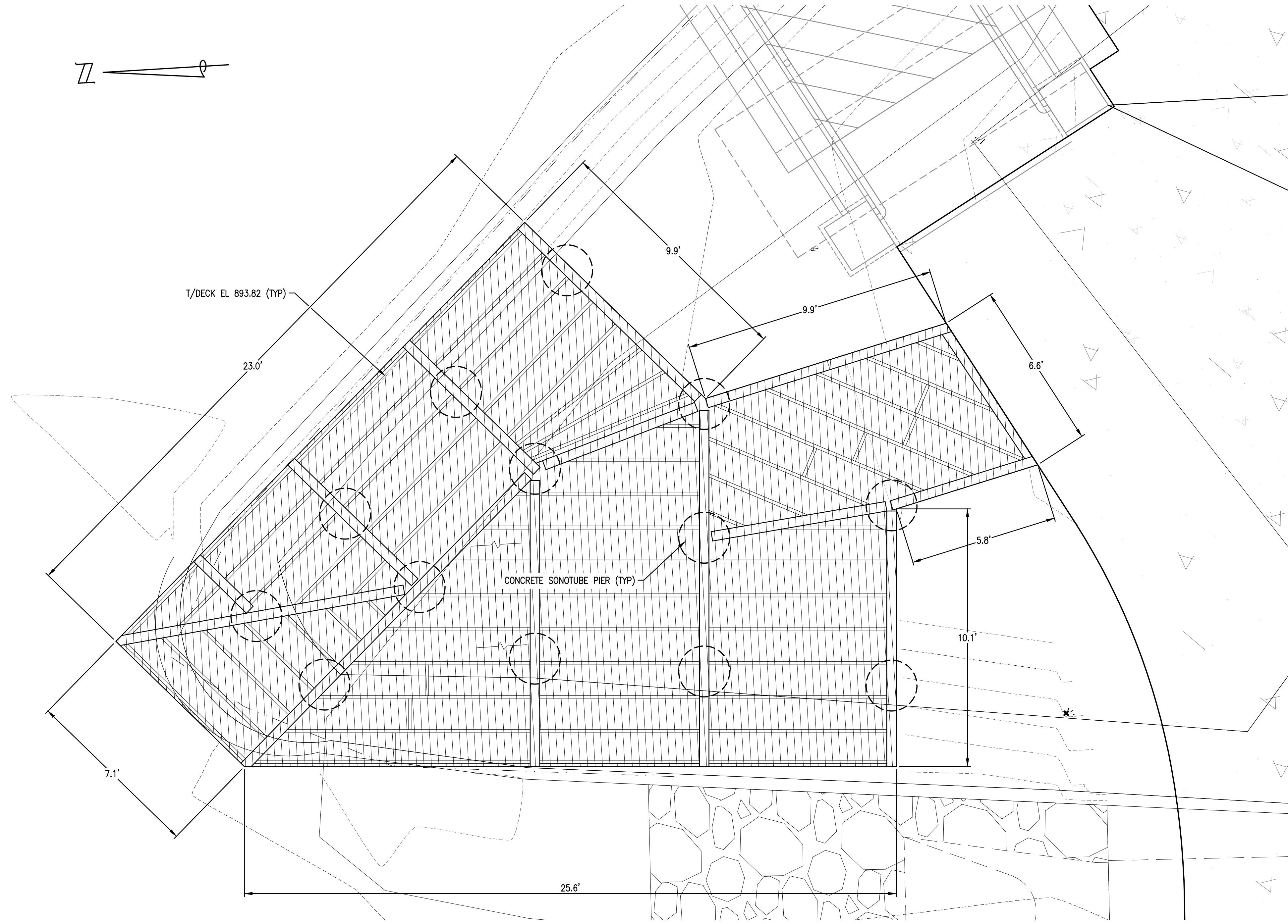
- PAYMENT FOR ALL REINFORCEMENT INCLUDED IN THE COST OF "RETAINING WALL, CONC"
- 1 SEE SHEET S-200 FOR TOP OF WALL & TOP OF FOOTING ELEVATIONS.
- 2 SEE SHEET S-300 FOR FOOTING DIMENSIONS.
- 3 BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO ESTABLISH AND NOTE LIMITS AND DEPTH OF EXISTING FOOTING, PAID FOR AS 'EXPLORATORY INVESTIGATION'.
- 4 REMOVE AND REINSTALL RIPRAP AS NECESSARY FOR CONSTRUCTION.
- 5 FIELD BEND AS NECESSARY. CONTRACTOR HAS THE OPTION TO ORDER AND INSTALL BENT BARS.
- 6 CONTRACTOR TO VERIFY BOTTOM OF STREAM ELEVATION. COFFERDAMS TO REMAIN TO BE CUTOFF TO THE ELEVATION SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- 7 APPLIES TO STATION 0+00 TO STA 0+30.20 (SEE SHEET S-100). INCLUDED IN COST OF "RETAINING WALL, CONC"

DRAWING PATH: P:\0000_010000724010_Mill_Park_Plan\Drawings\Civil\Sheet\401103TR.dwg Apr 29, 2026 - 11:57 AM

ISSUED FOR:	BID DOCUMENTS	REVISION	DESCRIPTION	DATE

PROJECT NUMBER: 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
RETAINING WALL SECTION

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.



T/DECK EL. 893.82 (TYP)

23.0'

9.9'

9.9'

6.6'

5.8'

10.1'

7.1'

25.6'

CONCRETE SONOTUBE PIER (TYP)

DECK LAYOUT

NOTES

1. STRINGERS AND HEADERS SHALL BE SOUTHERN PINE NO.1 OR BETTER TREATED TO UC4A.
2. ALL FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED. FASTENERS TO SECURE DECKING TO JOISTS CAN BE PROPRIETARY COATED EXTERIOR SCREWS AS RECOMMENDED BY THE MANUFACTURER. NAILS AND SCREWS SHALL BE OF SUFFICIENT SIZE AND LENGTH TO COMPLY WITH BUILDING CODES AND STANDARD PRACTICES.
3. COMPOSITE DECKING SHALL BE AS DESCRIBED IN THE CONTRACT DOCUMENTS.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIALS HE/SHE DEEMS DEFECTIVE.
5. CONTRACTOR SHALL SUBMIT ALL MATERIALS FOR APPROVAL PRIOR TO ORDERING.

DRAWING PATH: P:\0000_0100007240110_Mill_Park_Park_Plan\Drawings\Civil\Sheet\240110DECK.dwg April 29, 2026 - 11:57 AM

ISSUED FOR: BID DOCUMENTS
REVISION DESCRIPTION

2026/04/24
DATE

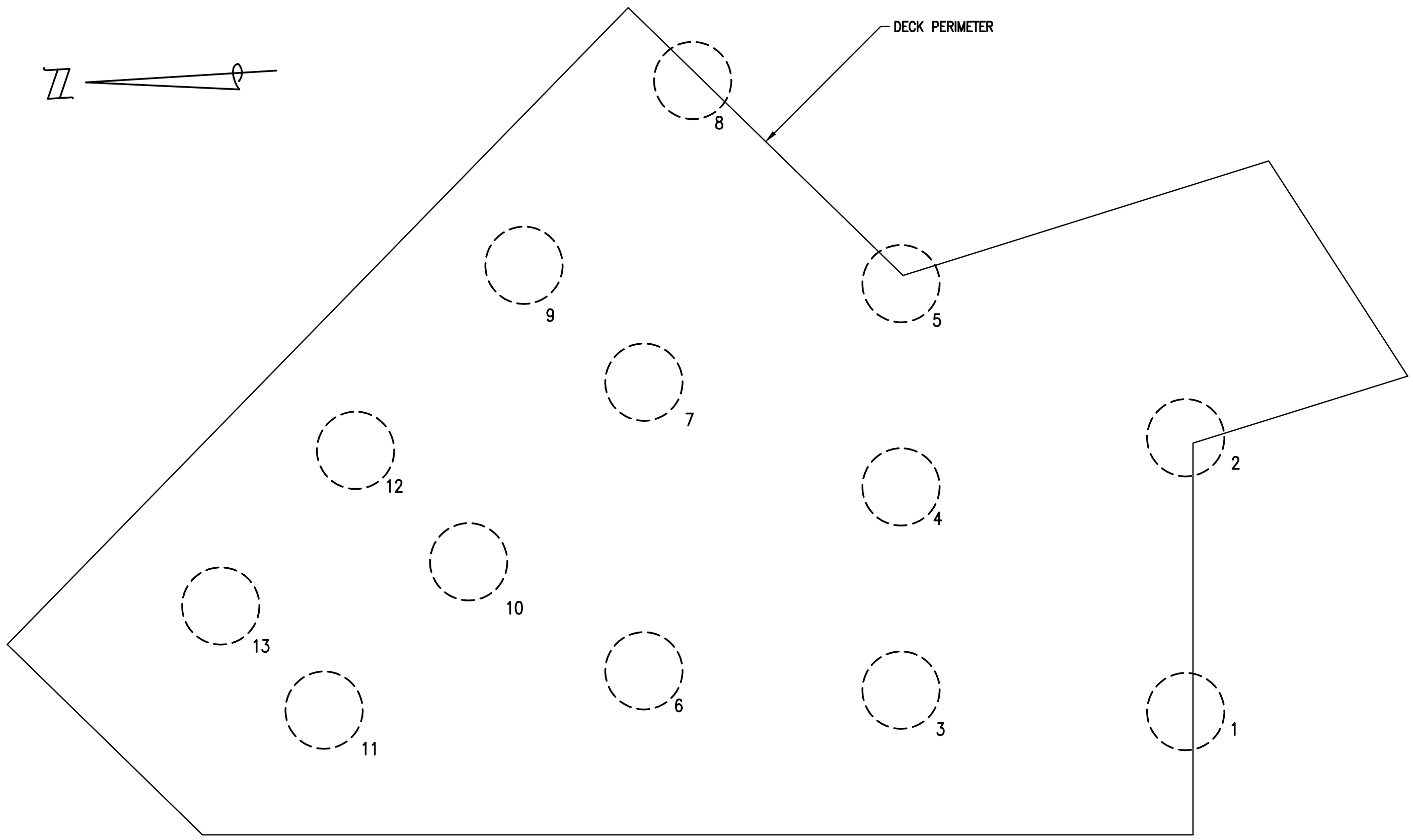
PROJECT NUMBER
0017-24-0110

CITY OF FENTON
MILLPOND PARK PLAZA

DECK PLAN

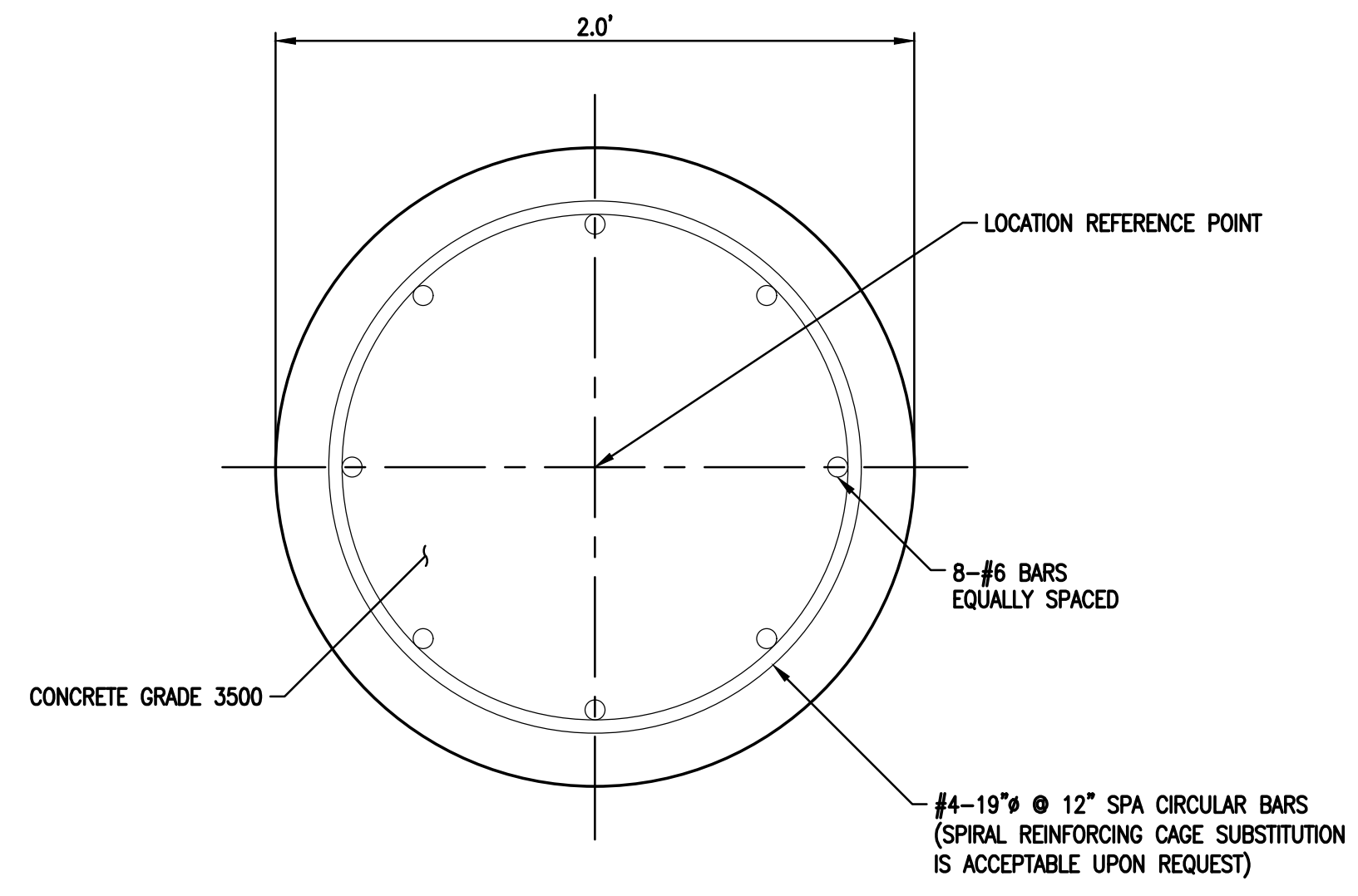
S-500

COPYRIGHT 2026 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.

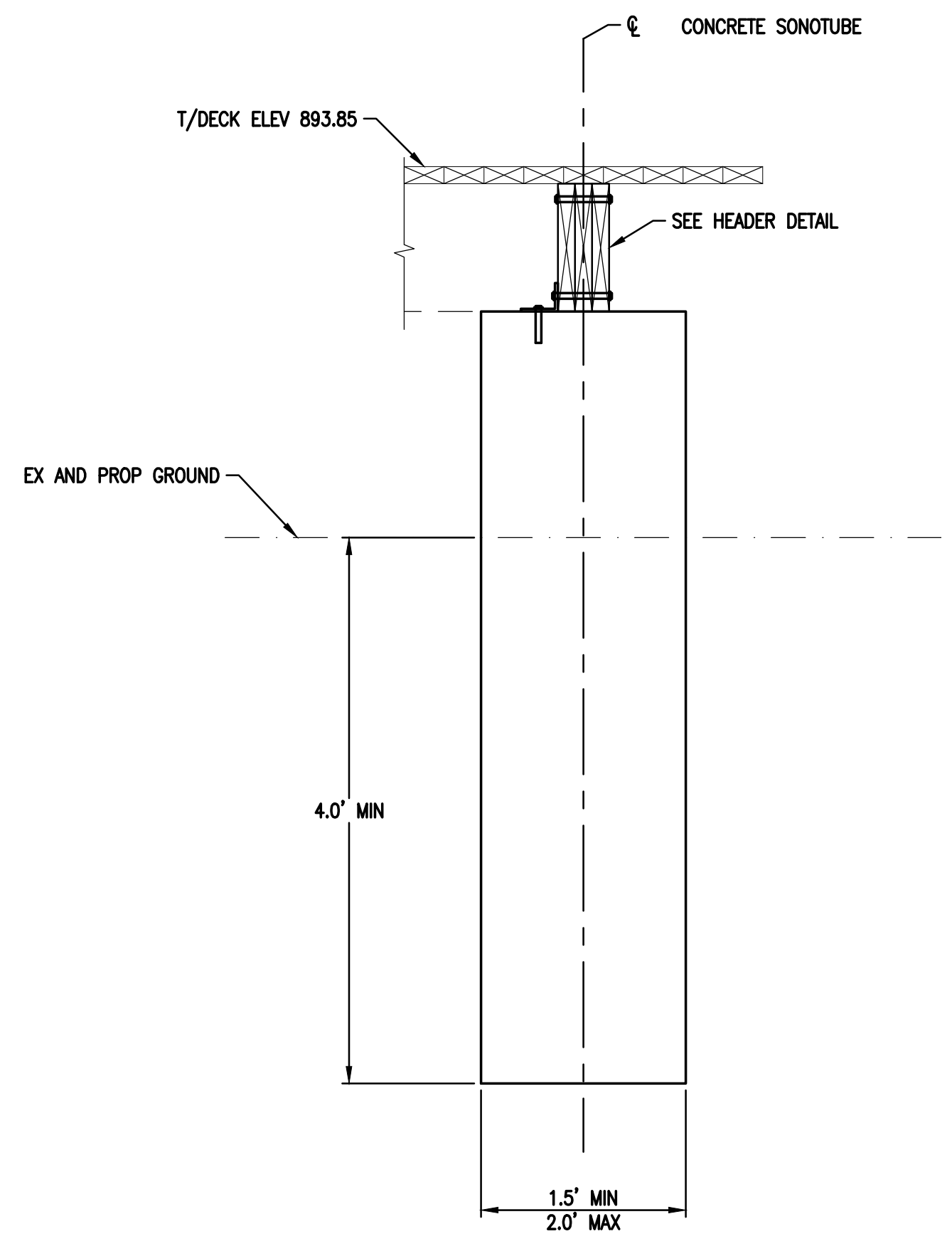


PIER	DIA (in)	LOCATION	
		N	E
1	24	472389.0138	13301047.1893
2	24	472388.5793	13301054.2586
3	24	472396.3284	13301048.1946
4	24	472396.0058	13301053.4424
5	24	472395.6832	13301058.6903
6	24	472402.9366	13301049.1028
7	24	472402.4785	13301056.5543
8	24	472400.7393	13301064.2652
9	24	472405.3878	13301059.7621
10	24	472407.2861	13301052.1941
11	24	472411.2548	13301048.5947
12	24	472410.0292	13301055.2512
13	24	472413.7565	13301051.4468

CONCRETE SONOTUBE PIER LAYOUT



SECTION THROUGH SONOTUBE PIER



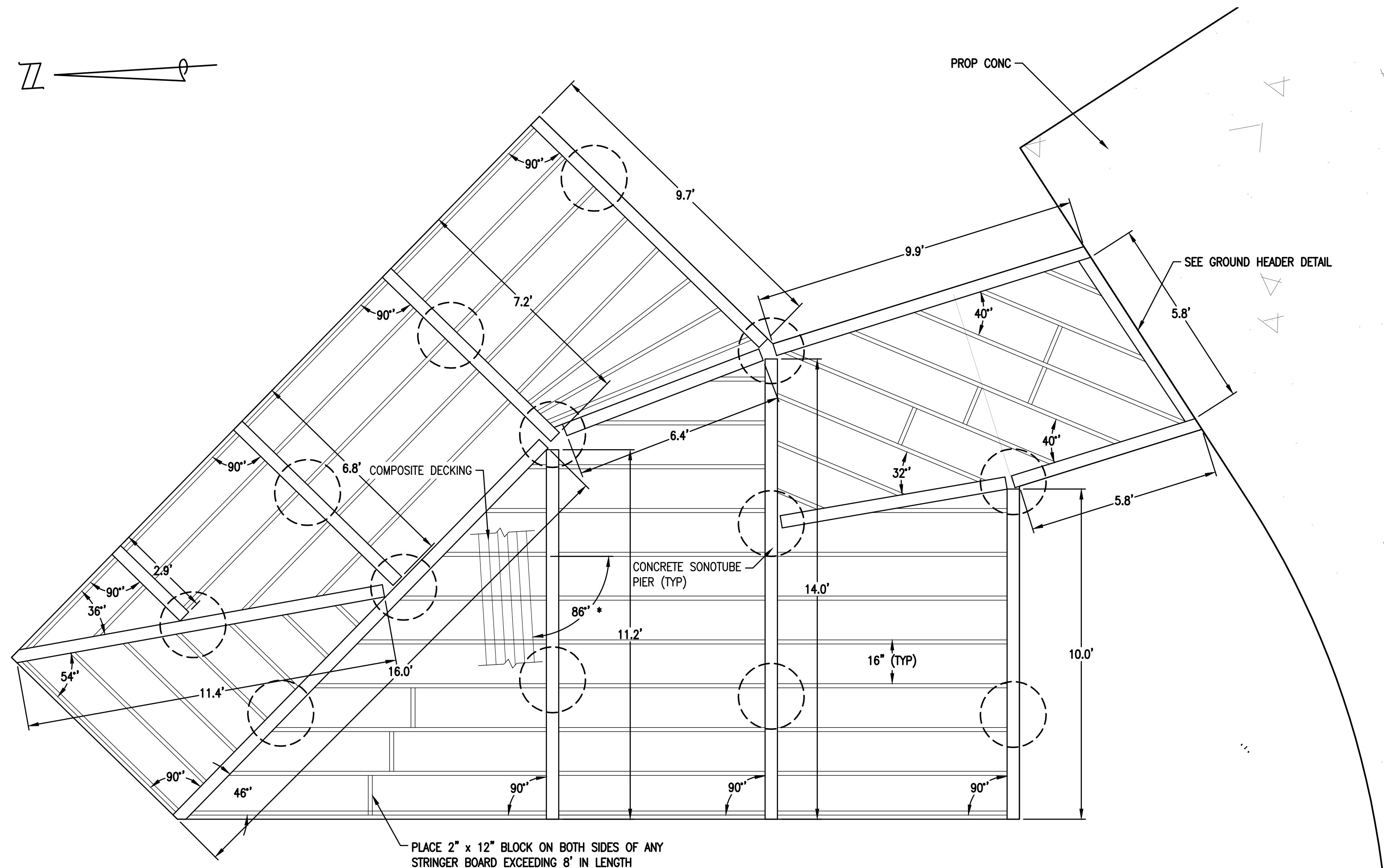
TYPICAL SONOTUBE PIER

CONTRACTOR SHALL PROVIDE PROPER BASE MATERIALS IF 3500 PSF MIN SOIL CAPACITY UNDER PIER CANNOT BE MET WITH NATIVE SOILS.

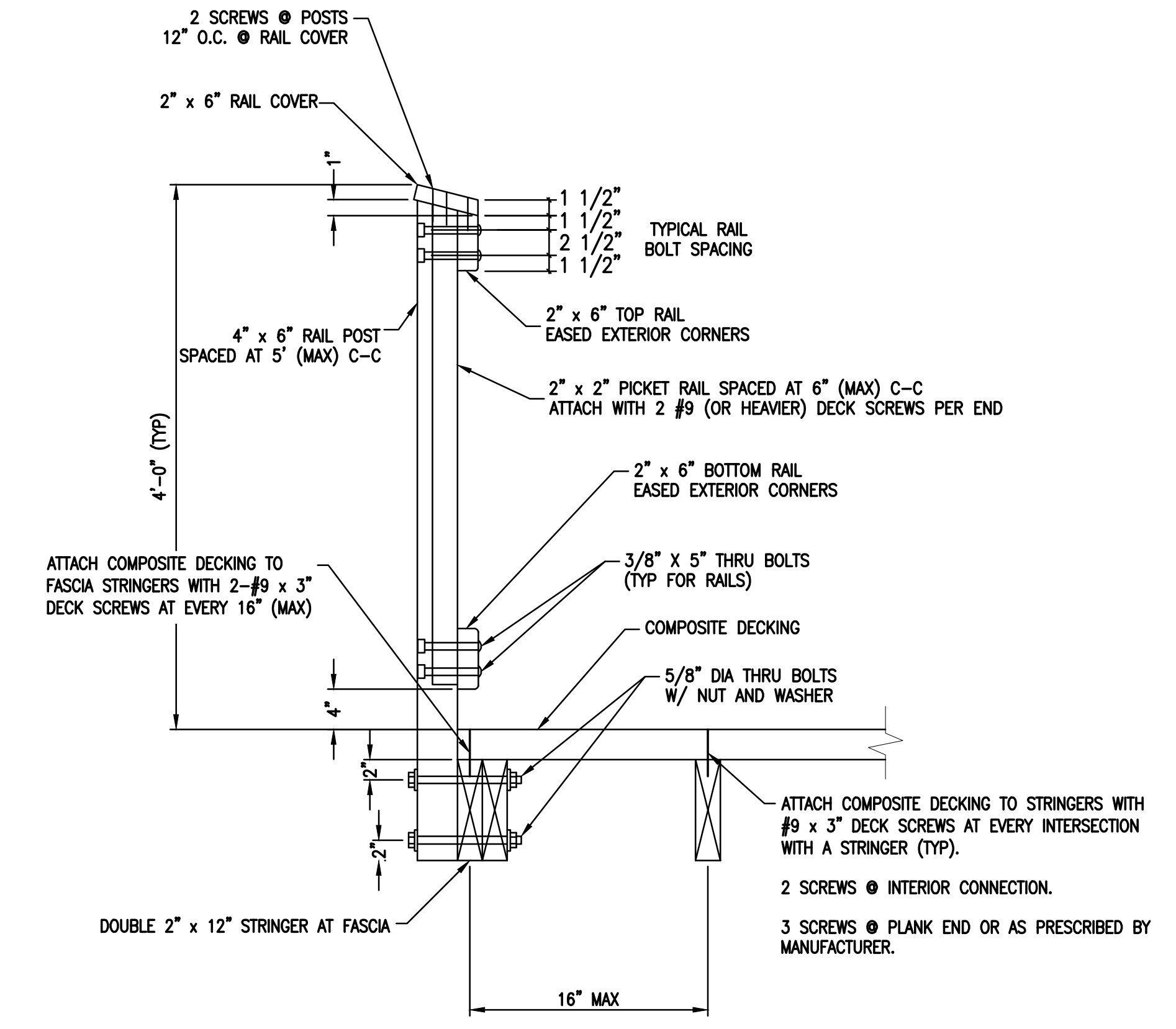
ISSUED FOR: BID DOCUMENTS
REVISION: DESCRIPTION

PROJECT NUMBER: PM 0017-24-0110
CITY OF FENTON
MILLPOND PARK PLAZA
PIER LAYOUT

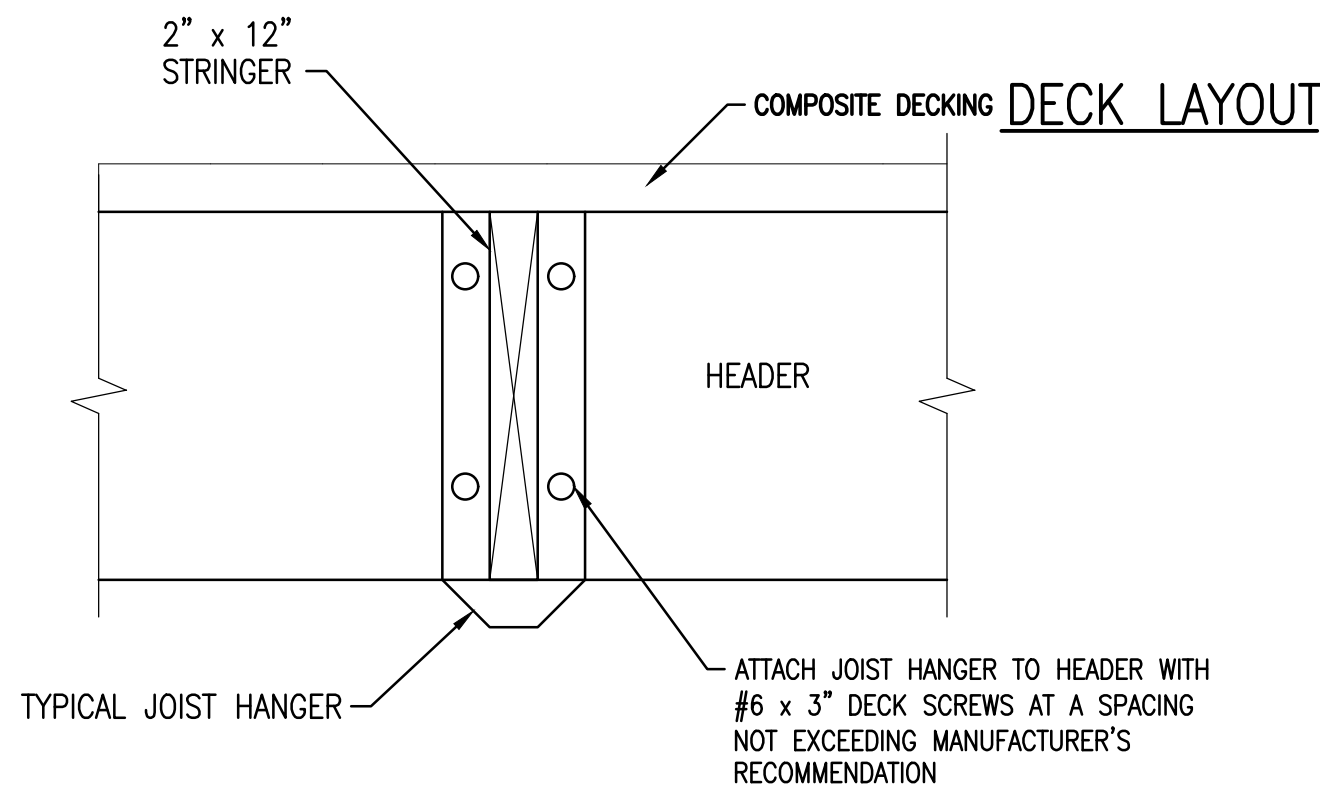
S-600



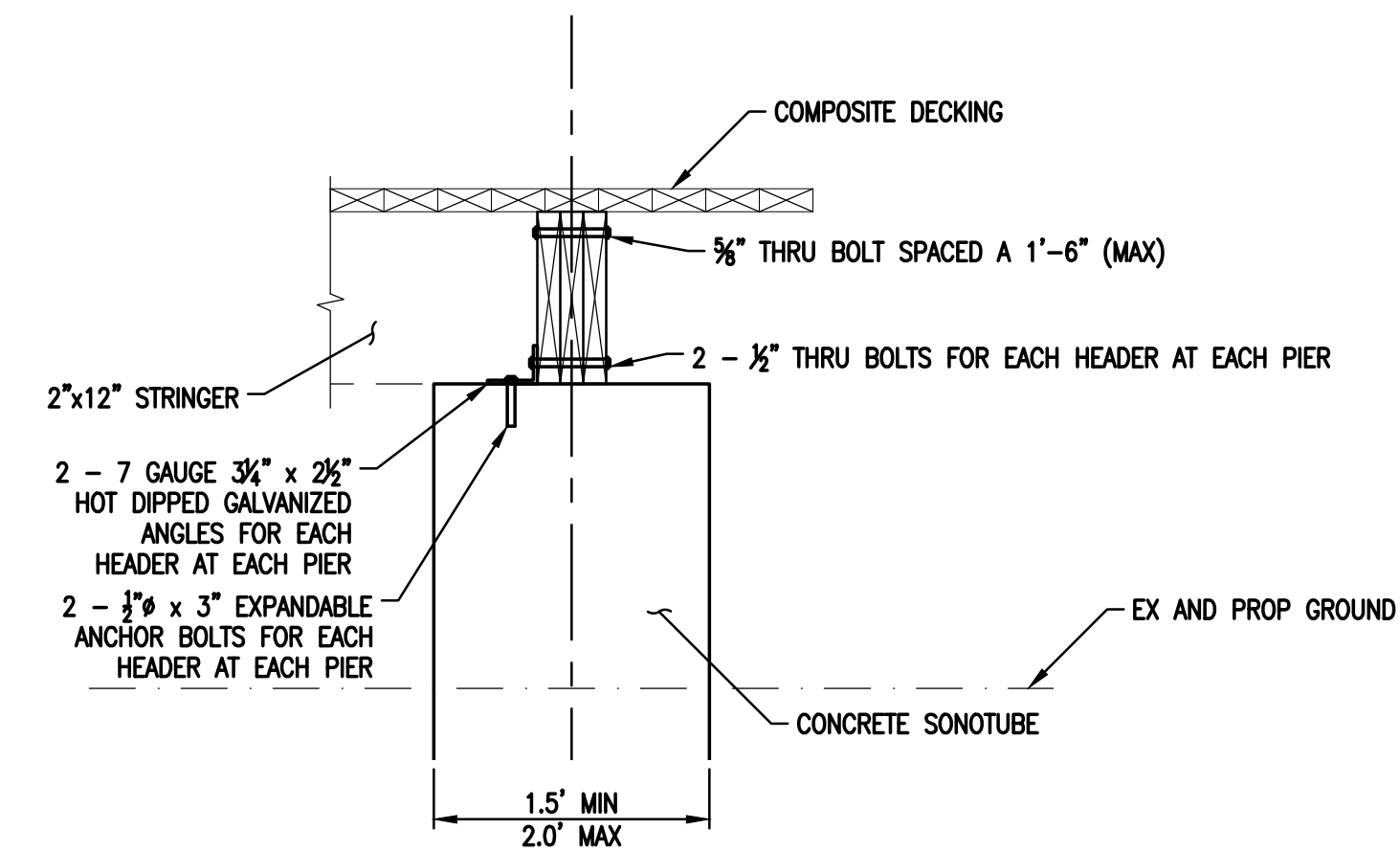
* ALL COMPOSITE DECKING TO BE PLACED WITH THIS ORIENTATION.



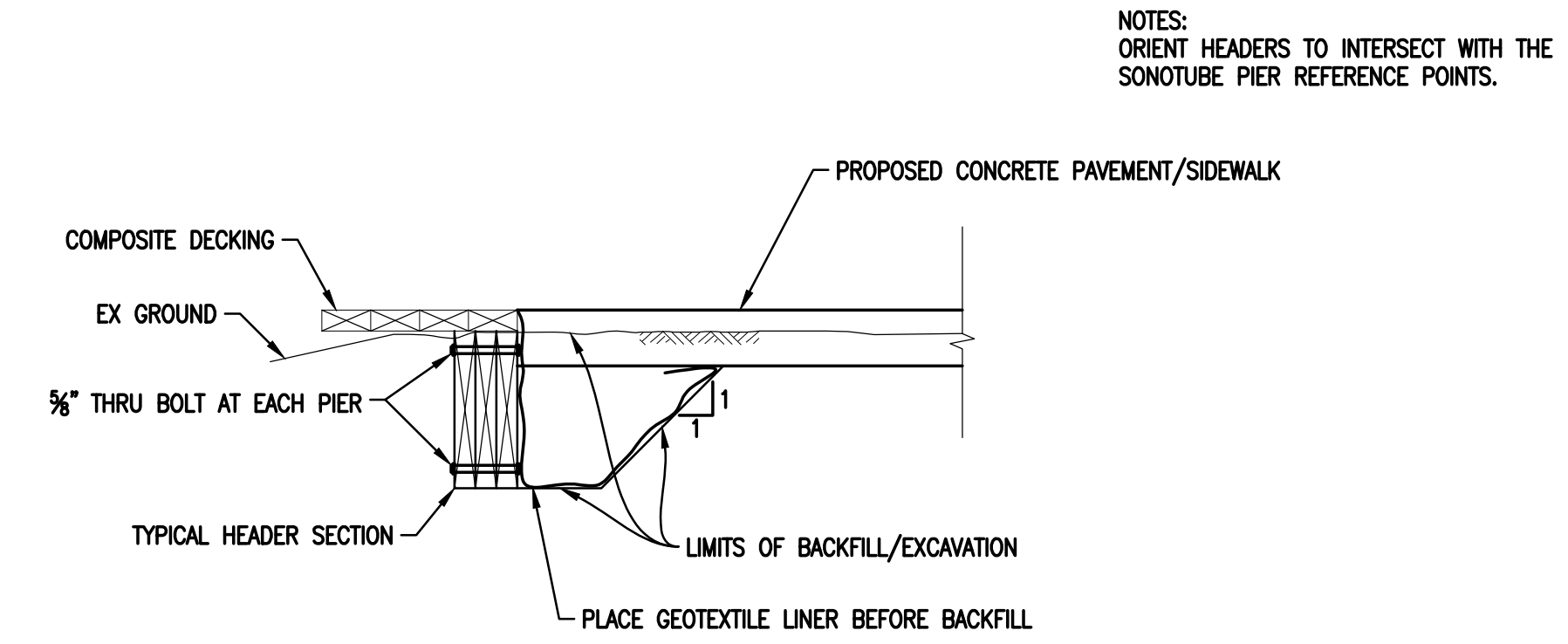
TYPICAL RAILING DETAIL



TYPICAL STRINGER CONNECTION DETAIL



SECTION THROUGH HEADER



GROUND HEADER SECTION

NOTES:
ORIENT HEADERS TO INTERSECT WITH THE SONOTUBE PIER REFERENCE POINTS.

ISSUED FOR:	BID DOCUMENTS	REVISION	DESCRIPTION	DATE

PROJECT NUMBER: 0077-24-0110
 CITY OF FENTON
 MILLPOND PARK PLAZA
 DECK FRAMING PLAN

DRAWING PATH: P:\0000_01000077240110_MILL_Park_Plaza\Drawings\Civil\Sheet\040110DECK.dwg April 29, 2025 - 11:57 AM

COPYRIGHT 2025 OHM. ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE DUPLICATED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM.