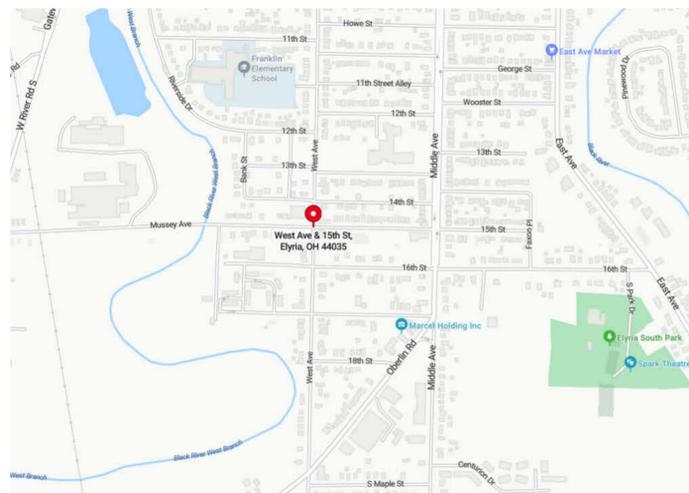


# CITY OF ELYRIA PARKS AND RECREATION POCKET PARK DEVELOPMENT CONSTRUCTION DOCUMENTS PERMIT / BIDDING

WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035



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**PROJECT INFORMATION**

Project Number: MPA.00049.00  
Client Name: CITY OF ELYRIA  
Project Name: PARKS AND RECREATION  
POCKET PARK DEVELOPMENT

Project Address:  
WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

10/17/2024	CHANGE REVIEW
10/28/2024	REVIEW / RECORD

**PROFESSIONAL STAMPS**



Donald Berko, License #9310467  
Expiration Date 12/31/2025



**SHEET INFORMATION**

Sheet: CS1.1  
Date: 12/20/2024  
Project Status: PERMIT / BIDDING  
Drawn By: CPL  
Checked By: CPL  
Drawing Title: COVER SHEET

**GENERAL NOTES:**

- PROJECT LOCATED AT 1504 WEST AVENUE, ELYRIA, OH.
- ALL SPECIFICATIONS AS SET FORTH IN THE CITY OF ELYRIA PERMITS, WHICH ARE APPLICABLE, WILL BE CARRIED OUT IN FULL.
- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) TEMPORARY TRAFFIC CONTROL MANUAL.
- RIGHT-OF-WAY OBTAINED FROM GIS DATA.
- THE SITE SHALL BE CLEANED AND RESTORED TO ORIGINAL OR BETTER CONDITION WHEN WORK IS COMPLETED.
- SITE IS NOT LOCATED WITHIN A 100-YEAR FLOODPLAIN.
- PAVEMENT MARKINGS WHICH ARE DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH CITY OF LORAIN, ODOT, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES REQUIREMENTS.
- ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE MUST BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE 3714.
- AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN ALL PUBLIC WALKS AND STREETS USED IN CONJUNCTION WITH THE PROJECT TO THE SATISFACTION OF THE ENGINEER.
- ALL BACKFILL SHALL BE PREMIUM BACKFILL: BACKFILL SHALL BE IN ACCORDANCE WITH THE TRENCH DETAILS SHOWN HEREIN. ALL BACKFILL IN SEWER TRENCHES SHALL BE PLACED IN LAYERS SUFFICIENT TO MEET THE COMPACTION REQUIREMENTS OF 100% MAXIMUM LABORATORY DRY DENSITY PER ASTM D-998 AND THOROUGHLY COMPACTED WITH MACHINE MOUNTED COMPACTION EQUIPMENT. THE PLACING OF BACKFILL MATERIAL SHALL BE CONTINUED UNTIL THE TRENCH IS ENTIRELY FILLED AND COMPACTED TO THE GRADE CALLED FOR ON THE CONTRACT DRAWINGS. COMPACTION TESTING OF THE BACKFILL MAY BE REQUIRED BY THE CITY. THE CONTRACTOR SHALL PAY FOR ALL LABORATORY TESTING COSTS OF BACKFILL MATERIAL. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS OF WORK. ALL BACKFILL SHALL BE PLACED IN MAXIMUM 12" LIFTS AND COMPACTED.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED LANDSCAPED AREAS, PAVEMENT SURFACES, SIDEWALKS AND DRIVEWAYS TO A CONDITION EQUAL TO, OR BETTER THAN THAT WHICH EXISTED PRIOR TO THE START OF WORK AS DECIDED BY ENGINEER. THE CONTRACTOR SHALL PERFORM ALL RESTORATION WITH MATERIALS IDENTICAL TO THE EXISTING SURFACE, INCLUDING, BUT NOT LIMITED TO ASPHALT AND CONCRETE PAVEMENT, ASPHALT, CONCRETE AND BRICK SIDEWALK, INTEGRAL CURB, AND SPECIAL SURFACES (SUCH AS COLORED OR TEXTURED) AS ENCOUNTERED. ALL DAMAGES TO OTHER EXISTING FACILITIES BY CONTRACTOR SHALL BE PAID BY THE EXPENSE OF THE CONTRACTOR.

**SPECIFICATIONS**

- THE ODOT 2023 CONSTRUCTION AND MATERIAL SPECIFICATIONS, INCLUDING ANY REVISIONS AND SUPPLEMENTAL SPECIFICATIONS, AS WELL AS THE PLANS, SHALL GOVERN THIS PROJECT.

**SURVEY PARAMETERS**

- COORDINATE SYSTEM: NAD83 OHIO NORTH STATE PLANE, US FOOT.
- NO SITE SURVEY WAS COMPLETED. EXISTING CONDITIONS HAVE BEEN COMPILED FROM AVAILABLE GIS INFORMATION AND AERIAL PHOTOGRAPHY.

**GEOTECHNICAL INFORMATION**

- NO GEOTECHNICAL INVESTIGATION WAS PERFORMED FOR THIS SITE. SHOULD THE CONTRACTOR BECOME AWARE OF EXTRAORDINARY SUBSURFACE CONDITIONS, THEY SHALL IMMEDIATELY CONTACT THE OWNER AND ENGINEER OF RECORD.
- ALL AREAS OF THE SITE RECEIVING NEW FILL, AND/OR AT GRADE TO RECEIVE PAVEMENT OR SLABS SHALL BE COMPACTED TO NON-MOVEMENT.
- ALL AGGREGATE BASE SHALL BE COMPACTED TO 95% STANDARD PROCTOR (D-698) WITHIN ±2% OPTIMUM MOISTURE.
- ALL UNSUITABLE MATERIAL ARE TO BE OVER-EXCAVATED AND REPLACED WITH ENGINEERED FILL OR MATERIAL APPROVED BY THE ENGINEER.

**REGULATORY SIGNS**

- IN THE EVENT A REGULATORY SIGN NEEDS TO BE INSTALLED OR RELOCATED, THE FINAL SIGN PLACEMENT LOCATION SHALL BE APPROVED BY THE REGULATORY AGENCY.

**EXCESS MATERIAL**

- PROPERTY OWNER AND CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXCESS MATERIALS AS REQUIRED. PROPERTY OWNER SHALL BE GIVEN PRIORITY WHETHER TO RETAIN OR DISPOSE OF THE EXCESS MATERIAL.

**PROTECTION OR RIGHT-OF-WAY LANDSCAPING**

- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FEATURES SCHEDULED TO REMAIN OR TO PRIVATE PROPERTY OUTSIDE OF THE CONSTRUCTION LIMITS.

**PERMITS**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS NECESSARY TO PERFORM ALL WORK WITHIN AND/OR ADJACENT TO THE RIGHT-OF-WAY OF ALL ROADS AND HIGHWAYS. ALL FEES, BONDS, INSURANCES AND ANY OTHER COSTS REQUIRED BY THE OWNER OF SAID ROADS AND HIGHWAYS SHALL BE PROVIDED BY THE CONTRACTOR COST OF SECURING PERMITS, FEES, BONDS, INSURANCES, ETC., SHALL BE INCLUDED IN THE PRICE FOR THE PERTINENT WORK.

**EROSION AND SEDIMENT CONTROL NOTES:**

- REVIEW AND AUTHORIZATION BY THE CITY OF ELYRIA COUNTY (IF REQUIRED) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF ANY EARTH DISTURBANCE ACTIVITIES.
- SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE OR OF STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR TO ELIMINATE ALL SUCH PROBLEMS.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SUBJECT TO APPLICABLE REGULATIONS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA).
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE CONSTRUCTION AND POST CONSTRUCTION PERIOD TO PREVENT SOIL EROSION, SEDIMENT, AND OTHER POLLUTANTS FROM ENTERING STREAMS, NEIGHBORING PROPERTY, ROADS, ETC.
- THE CONTRACTOR WILL BE REQUIRED TO INCORPORATE ALL APPLICABLE EROSION AND SEDIMENT CONTROL FEATURES INTO THE PROJECT AT THE EARLIEST PRACTICAL TIME.
- RESPONSIBILITY FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL SHALL BE DESIGNATED TO A MINIMUM OF ONE INDIVIDUAL WHO WILL BE PRESENT AT THE PROJECT SITE DAILY.
- DURING CONSTRUCTION, THE AMOUNT OF DISTURBED SOILS SHALL BE KEPT TO A MINIMUM AND, WHENEVER POSSIBLE, A SUITABLE VEGETATIVE BUFFER WILL BE MAINTAINED AROUND ALL CONSTRUCTION AREAS.
- ALL EARTHMOVING ACTIVITIES SHALL BE CARRIED OUT IN SUCH A MANNER AS TO MINIMIZE THE AMOUNT OF DISTURBED AREA.
- WHENEVER POSSIBLE, PLACE ALL EXCAVATED MATERIAL UPSLOPE FROM DISTURBED AREAS. STOCKPILES SHALL BE SET PARALLEL TO GRADE TO REDUCE RUNOFF.
- ANY WATER PUMPED FROM ANY EXCAVATION, FOR ANY REASON, SHALL BE DIRECTED THROUGH A SEDIMENT FILTER BAG (DEWATERING BAG) CONFORMING TO OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) STANDARDS.
- TEMPORARY AND PERMANENT SEEDING SHALL ADHERE TO THE SPECIFICATIONS PROVIDED IN THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL, CURRENT EDITION.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED 14 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
- PERMANENT SOIL PROTECTION SHALL BE COMPLETED IMMEDIATELY UPON REACHING FINISHED GRADE. PERMANENT SEEDING AND MULCHING WILL BE INCORPORATED INTO THE CONSTRUCTION PHASES DURING THE APPROVED PLANTING SEASON IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS PROVIDED IN THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL, CURRENT EDITION.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED BY APPLYING A SEED MIXTURE TO ESTABLISH AN EROSION RESISTANT STAND OF VEGETATION, UNLESS OTHERWISE STABILIZED WITH AN ACCEPTABLE PERMANENT COVER (ROCK, ETC.).
- SEED AND MULCH ANY BARE SOIL AREAS WITHIN THE LIMITS OF DISTURBANCE.
- RE-SEED AND RE-ESTABLISH ANY BARREN AND DISTURBED AREAS NOT HAVING ESTABLISHED GROUND COVER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING VEGETATIVE COVER. ONCE THE TRIBUTARY AREA HAS BEEN PERMANENTLY STABILIZED, THE CONTRACTOR SHALL REMOVE EROSION AND SEDIMENT CONTROLS. ANY AREA DISTURBED SHALL BE STABILIZED IMMEDIATELY.
- ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT GREATER THAN OR EQUAL TO 0.5 INCHES OF RAIN PER 24-HOUR PERIOD. ANY REQUIRED REPAIRS OR MAINTENANCE SHOULD BE MADE IMMEDIATELY.
- ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE PERFORMED IMMEDIATELY.
- ALL E&S BMPs SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED (70% VEGETATIVE COVER). ONCE PERMANENT STABILIZATION HAS BEEN ESTABLISHED TEMPORARY E&S BMPs MAY BE REMOVED. ANY AREAS DISTURBED IN THE ACT OF REMOVING TEMPORARY E&S BMPs SHALL BE IMMEDIATELY STABILIZED.

**GENERAL CONSTRUCTION SPECIFICATIONS:**

- CLEARING OF VEGETATION SHOULD BE KEPT TO THE MINIMUM NECESSARY FOR PROPER CONSTRUCTION PLUS THE INSTALLATION OF NECESSARY SEDIMENT CONTROLS.
- TOPSOIL SHALL BE REMOVED FROM CONSTRUCTION AREAS AND STOCKPILED FOR REUSE DURING RECLAMATION.

**RECYCLING AND DISPOSAL PROCEDURES**

- WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC.) MUST BE DISPOSED OF IN ACCORDANCE WITH STATE LAW. MATERIALS WILL BE RE-USED OR RECYCLED AS POSSIBLE, INCLUDING TOPSOIL AND OTHER MATERIALS AS APPROPRIATE.
- GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTE:
  - PREVENT SPILLS, USE PRODUCTS UP, FOLLOW LABEL DIRECTIONS FOR DISPOSAL, REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH, RECYCLE WASTES WHENEVER POSSIBLY.

- DO NOT POUR WASTES INTO WATERWAYS, STORM DRAINS, ONTO THE GROUND, DOWN THE SINK, FLOOR DRAINS, OR SEPTIC TANKS.
- DO NOT BURY OR BURN CHEMICALS OR CONTAINERS. DO NOT MIX CHEMICALS.
- CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS, AND ANY HAZARDOUS MATERIALS USED ON SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION, DEMOLITION, AND DEBRIS WASTE MUST BE DISPOSED OF AT AN APPROVED LANDFILL.
- MIXING, PUMPING, TRANSFERRING, OR OTHER HANDLING OF CONSTRUCTION CHEMICALS, SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE CURING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH, OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES, OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER STORM EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORMWATER.
- CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FEET OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES.
- SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO OEPA (1-800-282-3378). SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OEPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF DISCOVERY OF RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO OEPA.
- IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT A LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL).

**TEMPORARY EROSION & SEDIMENT CONTROL MEASURES - INSTALLATION:**

REFER TO PLAN DRAWINGS AND DETAIL SHEETS FOR LOCATION AND DETAILS OF TEMPORARY EROSION & SEDIMENT CONTROL MEASURES. ALL MEASURES ARE TO BE INSTALLED PER THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL.

- CONCRETE WASHOUT - A CONCRETE WASHOUT SHALL BE INSTALLED AS SOON AS PRACTICABLE BEFORE ANY CONCRETE ACTIVITIES.
- INLET PROTECTION - INLET PROTECTION SHALL BE INSTALLED AT THE BEGINNING OF THE PROJECT AND REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.
- SILT FENCE - SILT FENCE IS TO BE INSTALLED DOWNSLOPE ALONG THE SLOPES OF THE UNDISTURBED AREAS. SILT FENCE MUST BE PLACED ON THE LEVEL CONTOUR SO THAT FLOWS ARE DISSIPATED. TO PREVENT FLOW AROUND, THE ENDS OF THE SILT FENCE MUST BE POINTED UPSLOPE.
- STOCKPILE AREA - STOCKPILE AREAS SHALL BE IDENTIFIED PRIOR TO STRIPPING OF TOPSOIL AND ANY EXCAVATION. STOCKPILES SHALL BE UPSLOPE OF DISTURBED AREAS AND SURROUNDED BY SILT FENCE, AS REQUIRED TO PREVENT CLEAN RUN-OFF FROM ENTERING OR EXITING THE STOCKPILE AREA.

**EROSION & SEDIMENT CONTROL MEASURES -MAINTENANCE:**

GENERAL - CONTRACTOR PERSONNEL WILL BE PRESENT DURING CONSTRUCTION ACTIVITIES TO INSPECT BMPs, AT A MINIMUM, WEEKLY AND WITHIN 24 HOURS AFTER EACH MEASURABLE RUNOFF EVENT (GREATER THAN OR EQUAL TO 0.5 INCHES IN 24 HOURS). BMPs WILL BE MAINTAINED, AS FOLLOWS:

- DAMAGED BMPs WILL BE REPAIRED OR REPLACED AS SOON AS PRACTICAL, BUT NO MORE THAN 72 HOURS AFTER DISCOVERY OF DAMAGE.
- BMPs WILL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH MEASURABLE RAINFALL EVENT DURING THE ACTIVE CONSTRUCTION PHASE OF THE PROJECT.
- EARTH DISTURBANCE AREAS WILL BE REPAIRED WHERE SIGNS OF ACCELERATED EROSION ARE DETECTED.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL OR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR/CONTRACTOR SHALL IMPLEMENT APPROPRIATE BMPs TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- SEDIMENT REMOVED FROM BMPs WILL BE PLACED IN AN UPLAND CONSTRUCTION AREA, SPREAD OUT, AND REVEGETATED BY SEEDING AND MULCHING OR DISPOSED OF.
- CONTRACTOR SHALL MAINTAIN A LOG OF ALL E&S CONTROL MAINTENANCE AND REPAIR.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
- INLET PROTECTION - REMOVE ANY SEDIMENT AND DEBRIS THAT HAVE ACCUMULATED.
- SILT FENCE - SILT FENCE SHOULD BE REGULARLY INSPECTED TO MAKE SURE IT HOLDS ITS SHAPE, ALLOWS PONDING, AND ALLOWS ADEQUATE FLOW THROUGH. IF PONDING BECOMES EXCESSIVE, SILT FENCE SHOULD BE REPLACED.

**TEMPORARY SEEDING:**

TEMPORARY SEEDING INCLUDES SEEDBED PREPARATION, PLANTING SEED, MULCHING, IRRIGATION, AND MAINTENANCE.

- TEMPORARY SEEDING SHOULD BE APPLIED ON EXPOSED SOIL WHERE ADDITIONAL WORK (GRADING, ETC.) IS NOT SCHEDULED FOR MORE THAN 14 DAYS. PERMANENT SEEDING SHOULD BE APPLIED IF THE AREAS WILL BE IDLE FOR MORE THAN ONE YEAR.
- FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY SEEDING SHALL BE APPLIED WITHIN 2 DAYS. FOR DISTURBED AREAS OVER 50 FEET AWAY FROM A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY SEEDING SHALL BE APPLIED WITHIN 7 DAYS.
- AREAS FAILING TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT EROSION SHALL BE RESEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED.
- SEEDING PERFORMED DURING HOT AND DRY SUMMER MONTHS SHALL BE WATERED AT A RATE OF 1 INCH PER WEEK.

**PERMANENT SEEDING:**

PERMANENT SEEDING INCLUDES SEEDBED PREPARATION, PLANTING SEED, MULCHING, IRRIGATION, AND MAINTENANCE.

- PERMANENT SEEDING SHOULD BE APPLIED TO ANY DISTURBED AREAS OR PORTIONS OF CONSTRUCTION SITES AT FINAL GRADE. PERMANENT SEEDING SHOULD NOT BE DELAYED ON ANY ONE PORTION OF THE SITE AT FINAL GRADE WHILE CONSTRUCTION ON ANOTHER PORTION OF THE SITE IS BEING COMPLETED. PERMANENT SEEDING SHALL BE COMPLETED IN PHASES, IF NECESSARY.
- PERMANENT SEEDING SHOULD BE APPLIED TO AREAS SUBJECT TO GRADING ACTIVITIES BUT WILL REMAIN DORMANT FOR A YEAR OR MORE. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM AT FINAL GRADE, PERMANENT SEEDING SHALL BE APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE. FOR DISTURBED AREAS REMAINING DORMANT FOR OVER 1 YEAR OR AT FINAL GRADE, PERMANENT SEEDING SHALL BE APPLIED WITHIN 7 DAYS.
- A MINIMUM OF 70% GROWTH DENSITY, BASED ON VISUAL INSPECTION, MUST EXIST FOR AN ADEQUATE PERMANENT VEGETATIVE PLANTING.
- PERMANENT SEEDING SHALL OCCUR BETWEEN MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THE ABOVE SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. FOR WINTER SEEDING, SEE DORMANT SEEDING IN THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL.
- PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH. IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE SEEDED AREAS FROM EXCESSIVE RUNOFF.
- INSPECT SEEDED AREAS AFTER EACH RAINFALL EVENT. ERODED AREAS SHALL HAVE THE TOPSOIL REPLACED, SEED RESOWN AND MULCH REAPPLIED AND ANCHORED. IF EROSION PERSISTS, THE AREA WILL BE EITHER LINED WITH SOD OR STABILIZED WITH ROCK RIPRAP.

**MULCHING**

- MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.
- MATERIALS:
  - STRAW - IF STRAW IS USED IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE OR 90 POUNDS (TWO TO THREE BALES) PER 1,000-SQ. FT. THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY APPLIED SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000-SQ. FT. SECTIONS AND SPREAD TWO 45-LB. BALES OF STRAW IN EACH SECTION.
  - HYDROSEEDERS - IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE APPLIED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.

**WINTER SEEDING**

- FROM NOVEMBER 1 THROUGH FEBRUARY 29, WHEN WINTER CONDITIONS ARE NOT CONDUCIVE TO SPREADING TOPSOIL, THE CONTRACTOR SHALL INSTALL THE TEMPORARY SEED MIXTURE WITHOUT THE TOPSOIL RE-SPREAD. ONCE THE WINTER SEASON IS OVER, THE CONTRACTOR WILL RETURN PRIOR TO MAY 15TH TO RE-SPREAD THE TOPSOIL AND APPLY THE PERMANENT SEEDING MIXTURE TO THE SITE.

**UTILITIES AND CONTACTS**

- THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN OHIO 811 TICKET PRIOR TO PERFORMING ANY WORK. ALL UTILITIES WITHIN THE LIMITS OF WORK ARE TO BE NOTIFIED. THE ENGINEER SHALL MAKE EVERY EFFORT TO ADJUST THE PROPOSED WORK TO AVOID CONFLICTS WITH OR RELOCATIONS BY THE UTILITY.
- UTILITIES ON THESE PLANS WERE DEPICTED FROM GIS MAPPING APPLICATIONS, AERIAL IMAGERY, VISUAL OBSERVATION, AND MAPPING PROVIDED BY UTILITY COMPANIES WITH KNOWN FACILITIES IN THE AREA. ALL UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL-INCLUSIVE. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS OF ANY SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY UTILITIES, LOCATIONS, AND SIZES PRIOR TO ANY WORK. ENGINEER SHALL BE NOTIFIED OF ANY CONFLICT. PER ONE CALL TICKET #6419104414-00A DATED 7/9/2024, THE FOLLOWING UTILITIES ARE KNOWN TO BE IN THE PROJECT AREA:
 

<b>ELECTRIC</b> FIRST ENERGY NATALIE CAMP 6326 LAKE AVENUE ELYRIA, OH 44035 PH: 440-326-3319 EMAIL: NCAMP@FIRSTENERGYCORP.COM <b>GAS</b> COLUMBIA GAS OF OHIO-LORAIN ISAAC LOHR 3101 NORTH RIDGE ROAD EAST LORAIN, OH 44055 PH: (216) 390-2215 EMAIL: ILOHR@NISOURCE.COM	<b>TELECOMMUNICATIONS</b> WINDSTREAM OHIO LISA ZINGULA PH: 1-800-289-1901 EMAIL: LISA.ZINGULA@WINDSTREAM.COM, LOCATE.DESK@WINDSTREAM.COM <b>WATER/SANITARY SEWER/STORM SEWER</b> CITY OF ELYRIA 131 COURT STREET #1 ELYRIA, OH 44035 PH: (440) 326-1570
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**MAINTENANCE OF TRAFFIC**

- THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES, ON ALL ROADS, HIGHWAYS, STREETS, AND SIDEWALKS. THE CONTRACTOR SHALL COMPLY FULLY WITH THE REGULATIONS SET FORTH IN THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND ALL LOCAL STANDARDS. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING MAINTENANCE OF TRAFFIC PLAN TO APPROPRIATE AGENCIES PRIOR TO ANY WORK PERFORMED IN THE RIGHT OF WAY.

**SITE/UTILITY RESTORATION**

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, AND MACHINES NEEDED AND NECESSARY TO REPAIR AND RECONSTRUCT TO THEIR ORIGINAL CONDITION OR BETTER MEDIANS, RETAINING WALLS, BRIDGES IN PART, SIDEWALKS, CURBS, CATCH BASINS, FENCES, STORM SEWERS, WATER LINES, VALVES, HYDRANTS, GAS LINES, WATER SERVICE LINES, GAS SERVICE LINES, EXISTING MANHOLES, TREES, SHRUBS, (TREES TO BE REPLACED SHALL BE 3" CALIPER MEASUREMENT AND SHALL BE REPLACED IN KIND) AND ANY OTHER STRUCTURES WHICH HAVE BEEN REMOVED, RELOCATED, AND/OR DISTURBED IN PART OR BEEN REMOVED, RELOCATED, AND/OR DISTURBED IN PART OR WHOLE AS THE RESULT OF THE FACILITIES AND APPURTENANCE THERETO. THE WORK SHALL ALSO INCLUDE THE REMOVAL AND DISPOSAL OF EXCESS MATERIALS RESULTING FROM REPAIR, RECONSTRUCTION AND RESTORATION. LIGHTS, SIGNS AND BARRICADES SHALL BE PROVIDED AND TRAFFIC MAINTAINED PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**CONSTRUCTION SEQUENCE**

- INSTALL TEMPORARY EROSION CONTROLS.
- STRIP TOPSOIL AND EXCAVATE AS REQUIRED FOR PROPOSED STRUCTURE AND PAVEMENT AREAS.
- COMPACT SUBGRADE AND REMOVE/BACKFILL ALL UNSUITABLE SUBGRADE, AS REQUIRED.
- INSTALL AGGREGATE BASE AND COMPACT.
- INSTALL CONCRETE AND PAVERS, ERECT PAVILION, AND FURNISH LANDSCAPING.
- RE-SOIL AREAS WITH TOPSOIL, AS REQUIRED. PERMANENTLY STABILIZE SITE. ONCE SITE HAS ACHIEVED 70% STABILIZATION, REMOVE TEMPORARY EROSION CONTROLS.



CLEVELAND  
111 FRONT STREET  
BREA, OHIO 44017-9192

PREPARED BY:

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COA: 05445

**PROJECT INFORMATION**

Project Name:

MFA.00049.00

Client Name:

CITY OF ELYRIA

PARKS AND RECREATION

Project Name:

POCKET PARK DEVELOPMENT

Project Address:

WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

NO.	DATE	DESCRIPTION
1	08/20/2024	PROGRESS / OWNER REVIEW
2	10/02/2024	PERMITS / PERMITS
3	01/02/2025	ADDENDUM #1

**PROFESSIONAL STAMPS**



**SHEET INFORMATION**

Name:	Issue:
12/20/2024	As indicated
Project Status:	
CDs	
Drawn By:	Checked By:
SEC	SEC
Design Title:	

**GENERAL NOTES**

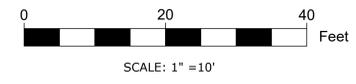
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**LEGEND**

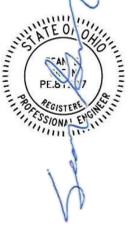
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-  ROAD CENTERLINE
-  EDGE OF PAVEMENT (EOP)
-  EDGE OF SIDEWALK
-  EXISTING MAJOR CONTOUR
-  EXISTING MINOR CONTOUR
-  OVERHEAD WIRES
-  GAS LINE
-  WATERLINE
-  SANITARY SEWER
-  UNDERGROUND FIBER OPTIC
-  UNDERGROUND TELECOMMUNICATIONS
-  TREELINE
-  HYDRANT
-  UTILITY POLE
-  EXISTING FLOW DIRECTION
-  PROPOSED FLOW DIRECTION
-  PROPOSED CONCRETE
-  PROPOSED GRASS
-  PROPOSED LANDSCAPING
-  PROPOSED GRASS PAVERS
-  LIMITS OF DISTURBANCE
-  PROPOSED MAJOR CONTOUR
-  PROPOSED MINOR CONTOUR
-  EXISTING SPOT ELEVATION
-  PROPOSED SPOT ELEVATION
-  PROPOSED WATERLINE
-  PROPOSED UNDERGROUND ELECTRIC
-  PROPOSED CONCRETE/SIDEWALK REMOVAL

**NOTES:**

- CONTRACTOR SHALL IMPLEMENT ALL EROSION AND SEDIMENT CONTROLS PRIOR TO ANY DEMOLITION.
- CONTRACTOR RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TREES, AND FOR CLEANUP OF ASSOCIATED DEBRIS.



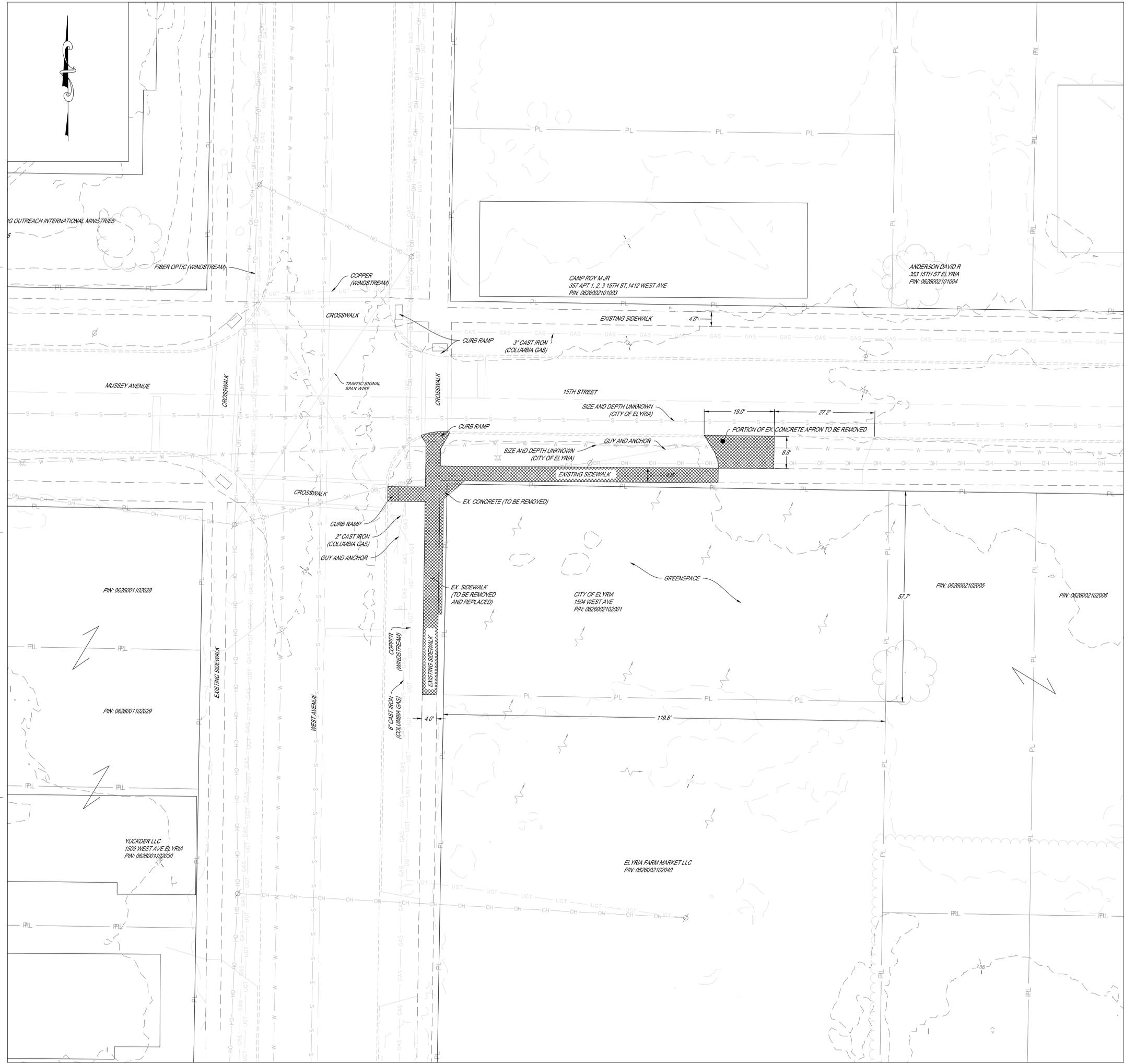
**PROFESSIONAL STAMPS**



**SHEET INFORMATION**

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Project Status: PROGRESS/OWNER REVIEW  
Drawn By: SEC Checked By: SEC  
Design Title: EXISTING CONDITIONS

Drawing Number





PREPARED BY:

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Client Name: CITY OF ELYRIA  
PARKS AND RECREATION  
Project Name: POCKET PARK DEVELOPMENT

Project Address: WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

#### PROJECT ISSUE & REVISION SCHEDULE

1	08/20/2024	PROGRESS / OWNER REVIEW
2	10/02/2024	FINAL DESIGN
3	01/02/2025	ADDENDUM #1

#### PROFESSIONAL STAMPS



#### SHEET INFORMATION

Name: 10/17/2024 Scale: As Indicated  
Project Status: PROGRESS/OWNER REVIEW  
Drawn By: SEC Checked By: SEC  
Drawing Title: PROPOSED SITE PLAN

Drawing Number

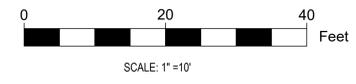
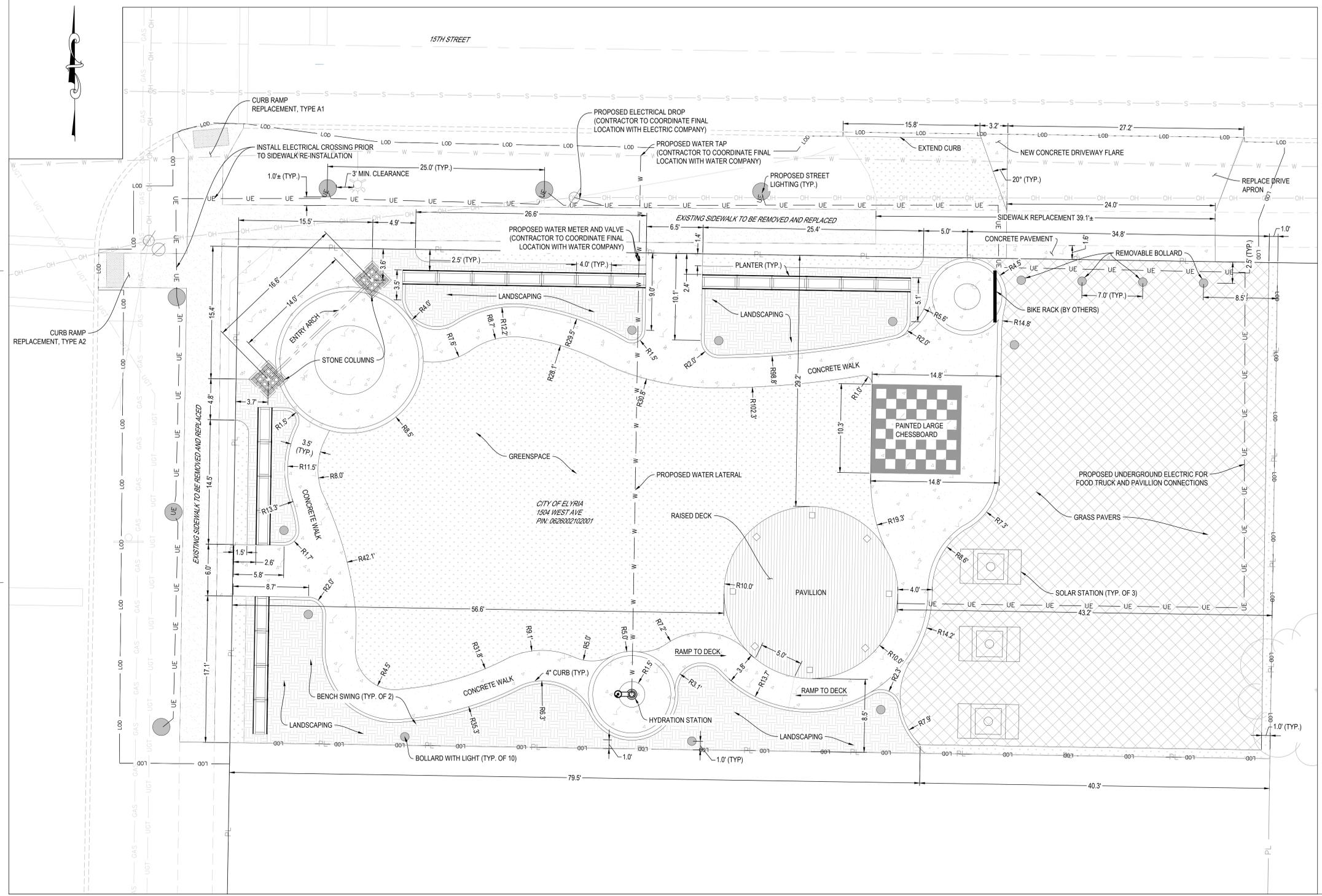
C3.0

SITE DATA		
PARCEL AREA	SF	NA
EXISTING IMPERVIOUS	51	0.70%
EXISTING PERVIOUS	6859	99.30%
PROPOSED IMPERVIOUS	1876	27.10%
PROPOSED PERVIOUS	5034	72.90%
LIMITS OF DISTURBANCE (LOD)	9425	NA
RIGHT-OF-WAY AREA WITHIN LOD	2516	NA
EXISTING IMPERVIOUS	1197	47.58%
PROPOSED IMPERVIOUS	1166	46.34%

SETBACK REQUIREMENTS			
ZONING	B-N BUSINESS NEIGHBORHOOD DISTRICT	REQUIRED	PROVIDED
FRONT	0	56.6' WEST, 29.2' NORTH	
SIDE	0	43.2' EAST, 8.5' SOUTH	
REAR	NA	NA	

### LEGEND

- P — PROPERTY LINE
- R — ROAD CENTERLINE
- - - - - EOP — EDGE OF PAVEMENT (EOP)
- - - - - ES — EDGE OF SIDEWALK
- - - - - 600 — EXISTING MAJOR CONTOUR
- - - - - 557 — EXISTING MINOR CONTOUR
- OH — OVERHEAD WIRES
- GAS — GAS LINE
- W — WATERLINE
- S — SANITARY SEWER
- FO — UNDERGROUND FIBER OPTIC
- UGT — UNDERGROUND TELECOMMUNICATIONS
- TRE — TREELINE
- HY — HYDRANT
- UP — UTILITY POLE
- EFD — EXISTING FLOW DIRECTION
- PFD — PROPOSED FLOW DIRECTION
- PC — PROPOSED CONCRETE
- PG — PROPOSED GRASS
- PL — PROPOSED LANDSCAPING
- GPP — PROPOSED GRASS PAVERS
- LOD — LIMITS OF DISTURBANCE
- 600 — PROPOSED MAJOR CONTOUR
- 557 — PROPOSED MINOR CONTOUR
- X 734.11 — EXISTING SPOT ELEVATION
- 734.23 — PROPOSED SPOT ELEVATION
- W — PROPOSED WATERLINE
- UGT — PROPOSED UNDERGROUND ELECTRIC
- CSR — PROPOSED CONCRETE SIDEWALK REPLACEMENT

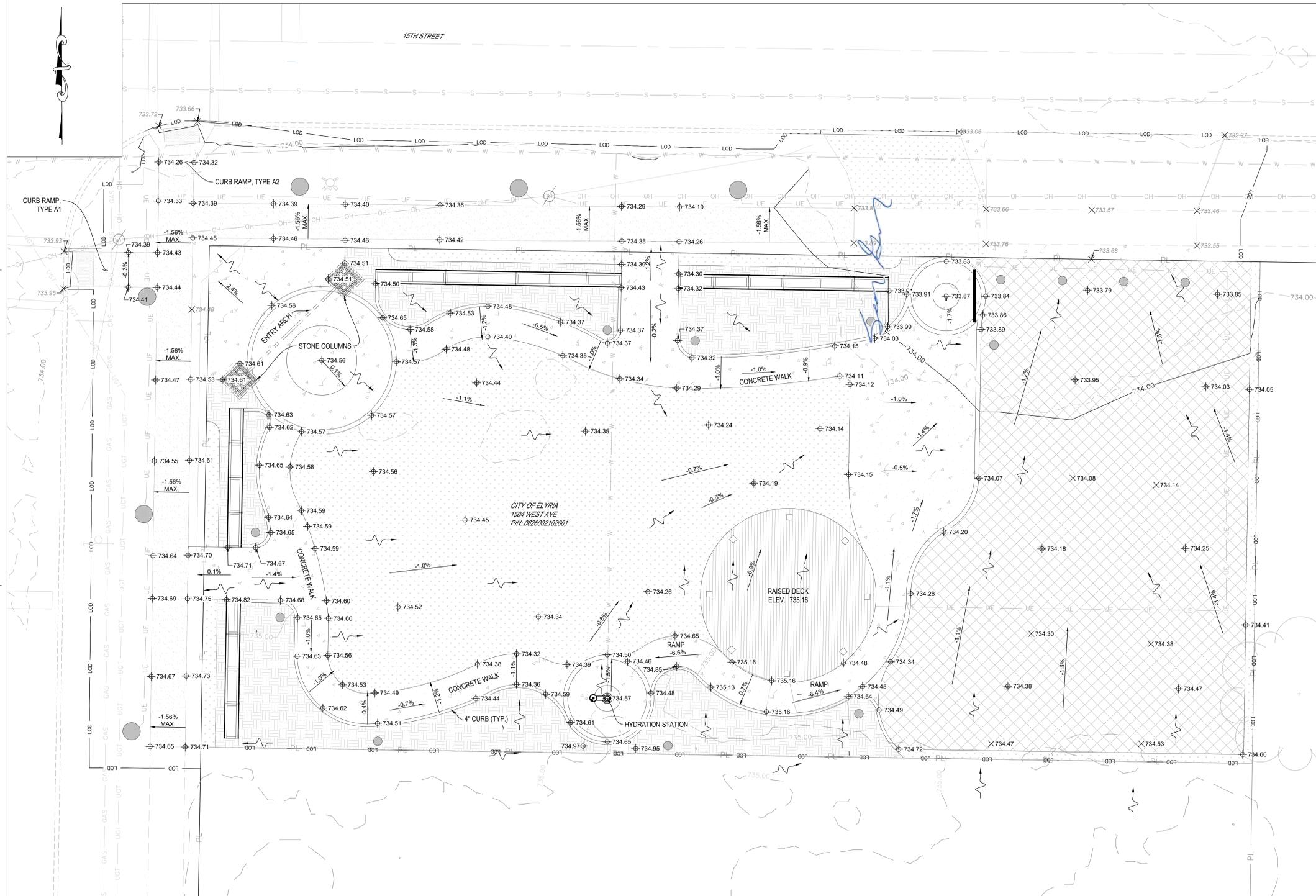


GRADING NOTES

1. EXISTING SITE ELEVATIONS OBTAINED FROM AVAILABLE LIDAR AND MAY NOT ACCURATELY REFLECT ACTUAL SITE ELEVATIONS. CONTRACTOR TO ADHERE TO MINIMUM AND MAXIMUM ALLOWABLE SLOPES, CROSS SLOPES, AND GRADES.
  - 1.1. MINIMUM SIDEWALK CROSS SLOPE: 0.50%
  - 1.2. MAXIMUM SIDEWALK CROSS SLOPE: 1.56%
  - 1.3. ALL CURB RAMPS TO ADHERE TO MINIMUM AND MAXIMUM VALUES AS NOTED IN ODOT SCD BP-7.1 DATED 7-19-2024.
  - 1.4. RUNNING SLOPE OF ALL SIDEWALK, EXCEPT FOR RAMPS, SHALL NOT EXCEED 5%.

LEGEND

- PROPERTY LINE
- ROAD CENTERLINE
- EDGE OF PAVEMENT (EOP)
- EDGE OF SIDEWALK
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- EXISTING MINOR CONTOUR
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- PROPOSED CONCRETE SIDEWALK REPLACEMENT



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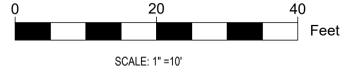
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3	01/02/2025	ADDENDUM #1

PROFESSIONAL STAMPS



**SHEET INFORMATION**

Name:	10/17/2024	Scale:	As Indicated
Project Status:	PROGRESS/OWNER REVIEW	Drawn By:	SEC
Checked By:	SEC	Drawing Title:	PROPOSED GRADING AND DRAINAGE PLAN



Drawing Number: C4.0

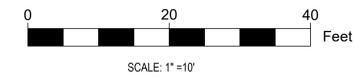
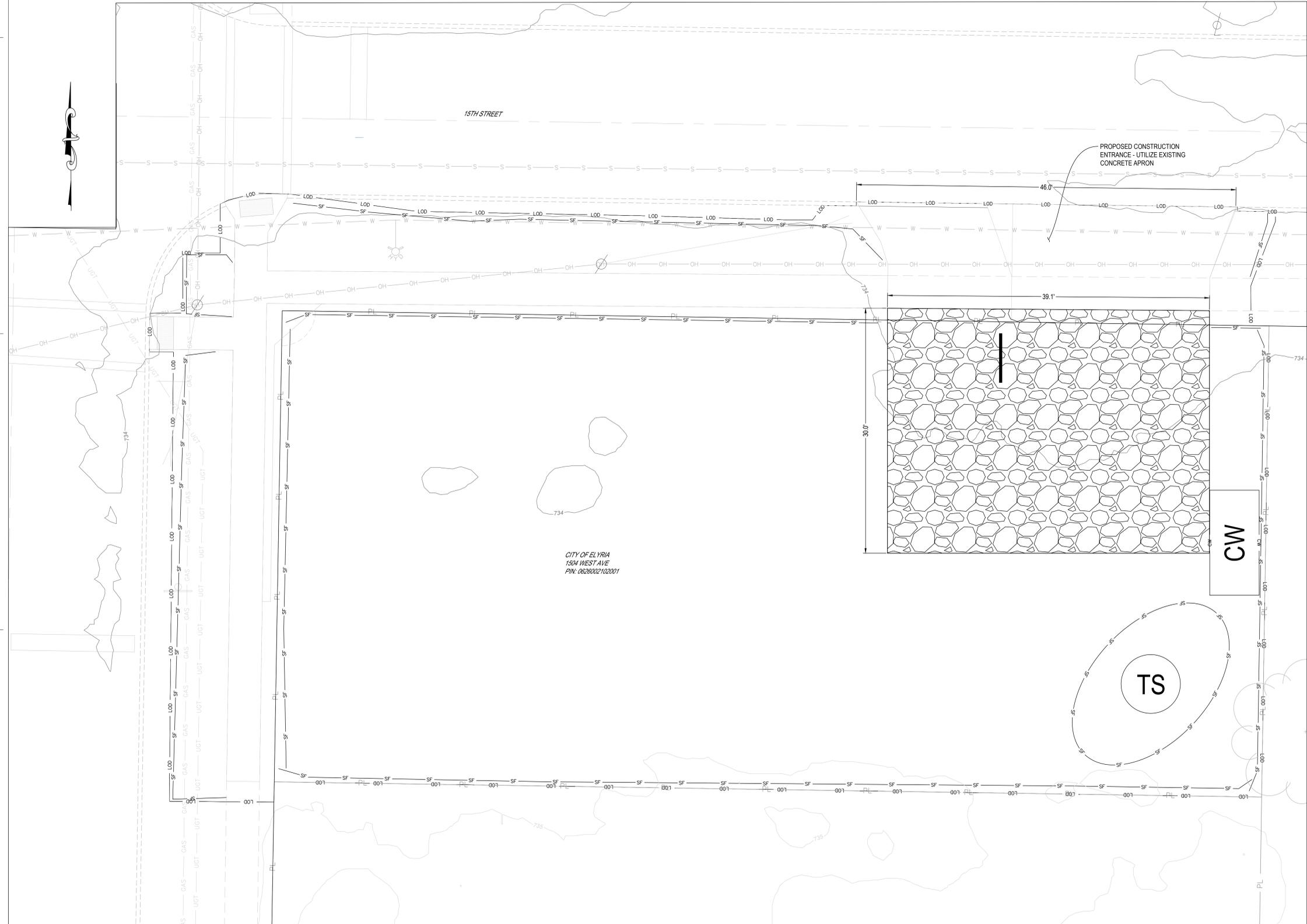


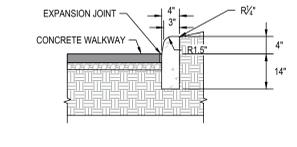
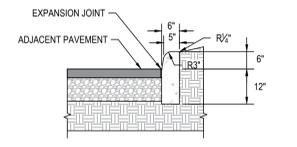
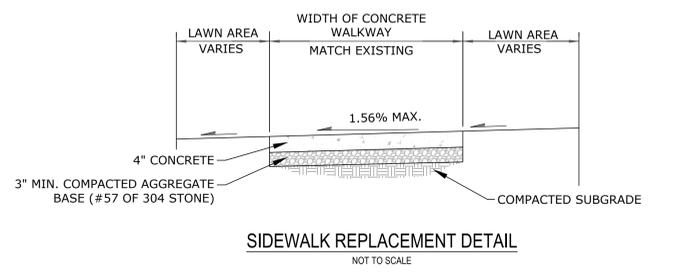
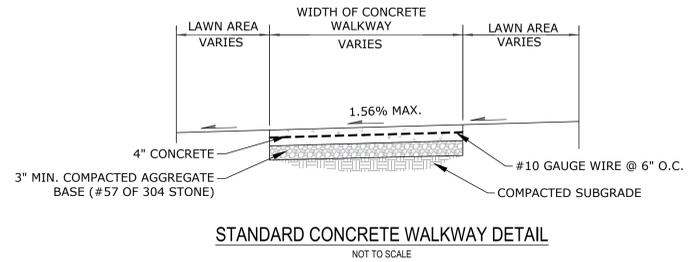
**LEGEND**

-  SILT FENCE
-  LIMITS OF DISTURBANCE
-  CONCRETE WASHOUT
-  CONSTRUCTION ENTRANCE
-  TOPSOIL STOCKPILE

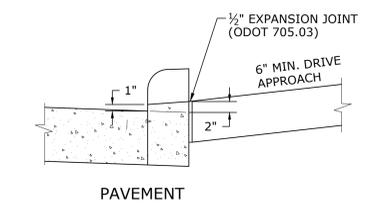
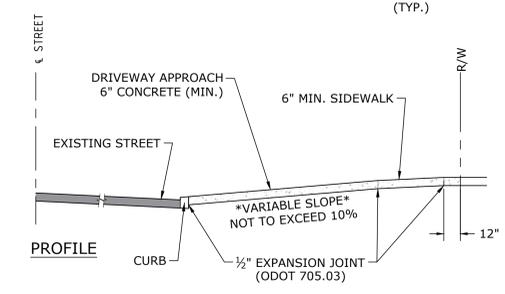
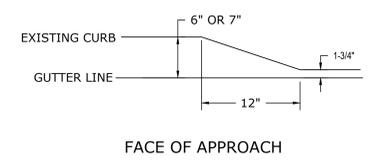
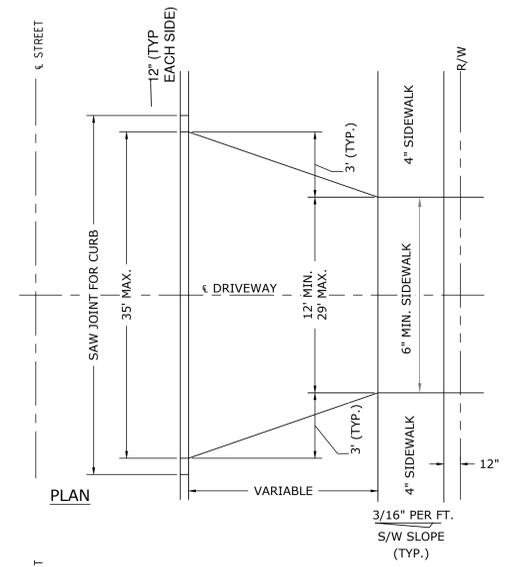
**EROSION & SEDIMENT CONTROL PLAN NOTES:**

1. THE CONTRACTOR SHALL PREVENT AND/OR REDUCE SOIL EROSION AND SEDIMENTATION RESULTING FROM THE PROPOSED SITE IMPROVEMENTS. THE EROSION AND SEDIMENT CONTROLS AS DETAILED IN THE PLANS SHALL BE INSTALLED PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ENGINEER OF ANY CHANGES TO THE PLAN.
2. TOPSOIL STOCKPILE AND CONCRETE WASHOUT TO BE LOCATED AT CONTRACTOR'S DISCRETION. CONCRETE WASHOUT SHALL NOT BE LOCATED AT ANY LOW POINTS. SOIL STOCKPILE SHALL BE LOCATED AWAY FROM NATURAL DRAINAGE CHANNELS AND THE PERIMETER SHALL BE ENCLOSED WITH SILT FENCE PER THE PLANS.
3. REFER TO THE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS FOR ADDITIONAL INFORMATION.
4. TREES WITHIN THE LIMITS OF DISTURBANCE OR IMMEDIATELY ADJACENT TO THE LIMITS OF DISTURBANCE SHALL BE PROTECTED PER CITY OF ELYRIA STANDARDS.
5. SEE SHEET C 6.1 FOR EROSION & SEDIMENT CONTROL DETAILS.



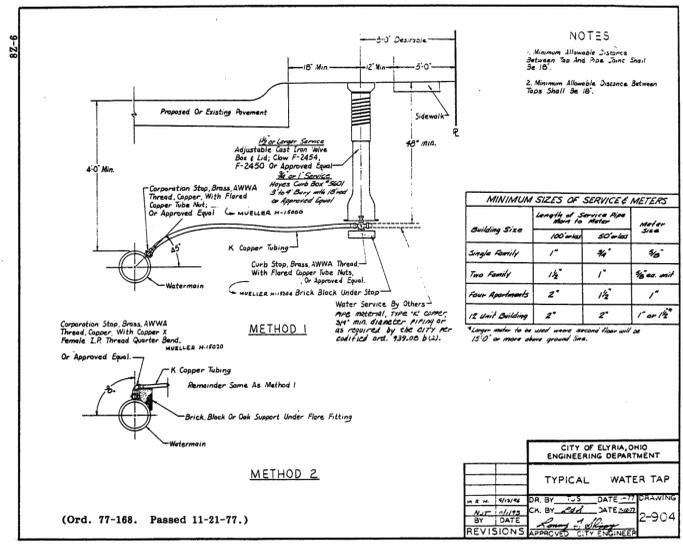


- NOTES:**
- SIDEWALKS SHALL BE CONSTRUCTED WITH P.C. CONCRETE AND SHALL CONTAIN 6% MIN. ENTRAINED AIR. CONCRETE MIX SHALL CONTAIN SIX BAGS OF CEMENT PER CUBIC YARD, HAVE A 3" MAX. SLUMP, AND 4,000 PSI AT 28 DAYS.
  - WHERE SIDEWALKS ABUT DRIVEWAYS OR ALLEY APPROACHES, THE CONCRETE THICKNESS OF THE WALK SHALL EQUAL THE THICKNESS OF THE APPROACH (6" MINIMUM FOR RESIDENTIAL AND 8" MINIMUM FOR COMMERCIAL) FOR A DISTANCE OF ONE (1) FULL PANEL OR MINIMUM 5 FEET.
  - ALL CONCRETE SHALL BE PLACED IN ONE COURSE AND FINISHED WITH A WOOD FLOAT, STEEL TROWEL EDGING. CONTRACTION JOINTS MAY BE TOOLED OR SAW CUT AND SHALL MATCH THE ADJACENT SIDEWALK FINISH.
  - EXPANSION JOINTS SHALL BE PLACED WHEREVER NEW CONCRETE TOUCHES EXISTING CONCRETE AND AT INTERVALS OF 30' OR LESS.
  - WATER AND UTILITY BOXES IN THE SIDEWALK AREA SHALL BE ADJUSTED FLUSH WITH FINAL SURFACE.
  - EXPANSION JOINT MATERIAL SHALL BE REFLEX RUBBER OR APPROVED EQUIVALENT.
  - FORMS SHALL BE MADE OF LUMBER, 2" NOMINAL THICKNESS OR EQUALLY RIGID METAL.
  - IMMEDIATELY AFTER FINISHING, CONCRETE SHALL BE SEALED AND CURED IN AN APPROVED MANNER.
  - NO CONCRETE SHALL BE PLACED UNTIL TEMPERATURE IS 35 DEGREES AND RISING, OR IN A MANNER APPROVED BY THE CITY/TOWNSHIP.
  - CONCRETE SHALL BE PROTECTED FROM FREEZING.
  - DURING CONSTRUCTION OF THE SIDEWALK WHERE A UTILITY SERVICE CROSSES THE AGGREGATE UNDER THE FUTURE CONCRETE TWO 24" # 3 REBAR SHALL BE PLACED OVER THE DRAIN TO PROVIDE REINFORCEMENT.
  - ITEM NUMBERS REFER TO THE ODOT 2023 CHS, CURRENT EDITION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE SPECIFICATIONS.
  - AGGREGATE BASE AND SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR (ASTM D698).
  - EXISTING WALK SHALL BE REMOVED IN FULL SLABS TO MAINTAIN THE EXISTING JOINT PATTERN.
  - TOOL CONTROL JOINTS @ 5'-0" O.C. SURFACE FINISH WILL BE A SMOOTH TEXTURE BROOM PERPENDICULAR TO WALK FLOW WITH RE-TRACED PERIMETER USING AN APPROVED EDGING TOOL WITH A RADIUS OF ONE-QUARTER INCH AND INTERIOR JOINTS USING AN APPROVED GROOVING TOOL TO A DEPTH OF NOT LESS THAN ONE-QUARTER THE THICKNESS OF THE SLAB. REFER TO ODOT 608.03 C, PLACING AND FINISHING FOR WALKS, CURB RAMPS, STEPS AND APRONS.

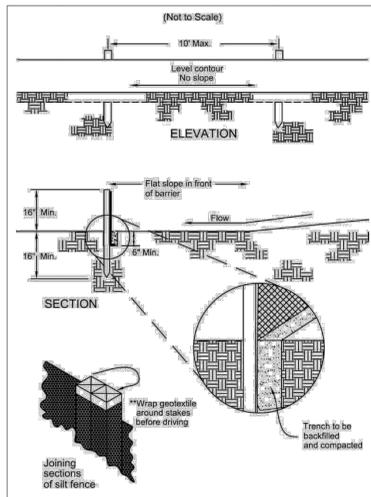


**NOTE:**  
FOR APRON FINISHING REFER TO PV-12.2 AND ODOT 608.03

**CONCRETE DRIVEWAY APRON DETAIL**  
NOT TO SCALE



Specifications for  
**Silt Fence**

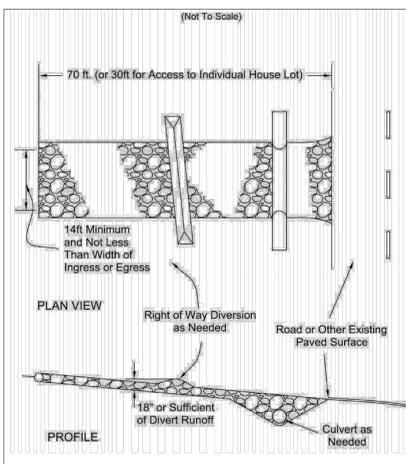


- Silt fence shall be constructed before upslope land disturbance begins.
- All silt fence shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions that may carry small concentrated flows to the silt fence are dissipated along its length.
- Ends of the silt fence shall be brought upslope slightly so that water ponded by the silt fence will be prevented from flowing around the ends.
- Silt fence shall be placed on the flattest area available.
- Where possible, vegetation shall be preserved for 5 feet (or as much as possible) upslope from the silt fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
- The height of the silt fence shall be a minimum of 16 inches above the original ground surface.
- The silt fence shall be placed in an excavated or sliced trench cut a minimum of 6 inches deep. The trench shall be made with a trencher, cable laying machine, slicing machine, or other suitable device that will ensure an adequately uniform trench depth.
- The silt fence shall be placed with the stakes on the downslope side of the geotextile. A minimum of 8 inches of geotextile must be below the ground surface. Excess material shall lay on the bottom of the 6-inch deep trench. The trench shall be backfilled and compacted on both sides of the fabric.

Table 6.3.2 Minimum criteria for Silt Fence Fabric (DOT, 2002)

FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs. (53 N)	ASTM D 4632
Maximum Elongation at 60 lbs	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (220 N)	ASTM D 4633
Minimum Tear Strength	40 lbs (180 N)	ASTM D 4633
Apparent Opening Size	< 0.84 mm	ASTM D 4751
Minimum Permeability	1X10-2 sec-1	ASTM D 4491
UV Exposure Strength Retention	70%	ASTM G 4355

Specifications for  
**Construction Entrance**



- Stone Size—DOT # 2 (1.5-2.5 inch) stone shall be used, or recycled concrete equivalent.
- Length—The construction entrance shall be as long as required to stabilize high traffic areas but not less than 70 ft. (exception: apply 30 ft. minimum to single residence lots).
- Thickness—The stone layer shall be at least 6 inches thick for light duty entrances or at least 10 inches for heavy duty use.
- Width—The entrance shall be at least 14 feet wide, but not less than the full width at points where ingress or egress occurs.
- Geotextile—A geotextile shall be laid over the entire area prior to placing stone. It shall be composed of strong rot-proof polymeric fibers and meet the following specifications:

Figure 7.4.1 Geotextile Specification for Construction Entrance

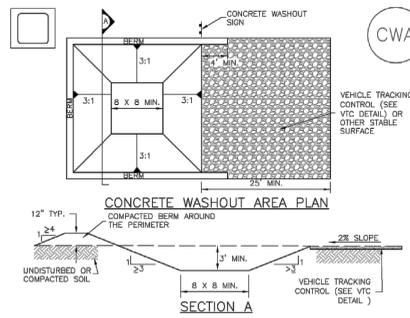
Minimum Tensile Strength	200 lbs.
Minimum Puncture Strength	80 psi.
Minimum Tear Strength	50 lbs.
Minimum Burst Strength	320 psi.
Minimum Elongation	20%
Equivalent Opening Size	EQS < 0.6 mm.
Permeability	1x10-3 cm/sec.

Specifications for  
**Topsailing**

- Salvaging and Stockpiling**
- Determine the depth and suitability of topsoil at the site. (For help, contact your local SWCD office to obtain a county soil survey report).
  - Prior to stripping topsoil, install appropriate downslope erosion and sedimentation controls such as sediment traps and basins.
  - Remove the soil material no deeper than what the county soil survey describes as "surface soil" (ie. A or Ap horizon).
  - Construct stockpiles in accessible locations that do not interfere with natural drainage. Install appropriate sediment controls to trap sediment such as silt fence immediately adjacent to the stockpile or sediment traps or basins downstream of the stockpile. Stockpile side slopes shall not exceed a ratio of 2:1.
  - If topsoil is stored for more than 21 days, it should be temporarily seeded, or covered with a tarp.
- Spreading the Topsoil**
- Prior to applying topsoil, the topsoil should be pulverized.
  - To ensure bonding, grade the subsoil and roughen the top 3-4 in. by disking.
  - Do not apply when site is wet, muddy, or frozen, because it makes spreading difficult, causes bonding problems, and inhibits bonding with subsoil.
  - Apply topsoil evenly to a depth of at least 4 inches and compact slightly to improve contact with subsoil.
  - After spreading, grade and stabilize with seeding or appropriate vegetation.

Specifications for  
**Construction Entrance**

**Concrete Washout Area (CWA)**



**CWA-1. CONCRETE WASHOUT AREA**

- CWA INSTALLATION NOTES**
- SEE PLAN VIEW FOR: "CWA INSTALLATION LOCATION."
  - DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY, DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (1/8 MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE-GROUND STORAGE ARE SHOULD BE USED.
  - THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
  - CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8" BY 8" SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
  - BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
  - VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
  - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
  - USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

Specifications for  
**Temporary Seeding**

**Mulching Temporary Seeding**

- Applications of temporary seeding shall include mulch, which shall be applied during or immediately after seeding. Seeding dates during optimum seeding dates on favorable, very flat soil conditions may not need mulch to achieve adequate stabilization.
- Materials:
  - Straw—If straw is used, it shall be unrotted small-grain straw applied at a rate of 2 tons per acre or 90 lbs./1,000 sq. ft. (2-3 bales)
  - Hydroseeders—If wood cellulose fiber is used, it shall be used at 2000 lbs./ac. or 48 lb./1,000-sq.-ft.
  - Other—Other acceptable mulches include mulch matings applied according to manufacturer's recommendations or wood chips applied at 1 ton/ac.

Specifications for  
**Mulching**

- Mulch and other appropriate vegetative practices shall be applied to disturbed areas within 7 days of grading if the area is to remain dormant (undisturbed) for more than 21 days or on areas and portions of the site which can be brought to final grade.
- Mulch shall consist of one of the following:
  - Straw—Straw shall be unrotted small grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The straw mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq.ft. sections and place two 45-lb. bales of straw in each section.
  - Hydroseeders—Wood cellulose fiber should be used at 2,000 lb./ac. or 48 lb./1,000 sq. ft.
  - Other—Acceptable mulches include mulch matings and rolled erosion control products applied according to manufacturer's recommendations or wood mulch/chips applied at 10-20 tons/ac.
- Mulch Anchoring—Mulch shall be anchored immediately to minimize loss by wind or runoff. The following are acceptable methods for anchoring mulch.
  - Mechanical—Use a disk, crimper, or similar type tool set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but left to a length of approximately 6 inches.
  - Mulch Nettings—Use according to the manufacturer's recommendations, following all placement and anchoring requirements. Use in areas of water concentration and steep slopes to hold mulch in place.
  - Synthetic Binders—For straw mulch, synthetic binders such as Acrylic DLR (Agri-Tac, DCA-70, Petroset, Terra Tack or equivalent may be used at rates recommended by the manufacturer. All applications of Synthetic Binders must be conducted in such a manner where there is no contact with waters of the state.
  - Wood Cellulose Fiber—Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 lb./acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb./100 gal. of wood cellulose fiber.

**MM-1**

Specifications for  
**Permanent Seeding**

**Site Preparation**

- Subsoiler, plow, or other implement shall be used to reduce soil compaction and allow maximum infiltration. (Maximizing infiltration will help control both runoff rate and water quality.) Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture. Subsoiling shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation.
- The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding.
- Topsoil shall be applied where needed to establish vegetation.

**Seedbed Preparation**

- Lime—Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 pounds per 1,000-sq. ft. or 2 tons per acre.
- Fertilizer—Fertilizer shall be applied as recommended by a soil test. In place of a soil test, fertilizer shall be applied at a rate of 25 pounds per 1,000-sq. ft. or 1000 pounds per acre of a 10-10-10 or 12-12-12 analyses.
- The lime and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 inches. On sloping land, the soil shall be worked on the contour.

**Seeding Dates and Soil Conditions**

- Seeding should be done March 1 to May 31 or August 1 to September 30. If seeding occurs outside of the above-specified dates, additional mulch and irrigation may be required to ensure a minimum of 80% germination. Tillage for seedbed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seedings.

**Dormant Seedings**

- Seedings should not be made from October 1 through November 20. During this period, the seeds are likely to germinate but probably will not be able to survive the winter.
- The following methods may be used for "Dormant Seeding":

**Straw and Mulch Anchoring Methods**

- Straw mulch shall be anchored immediately to minimize loss by wind or water.

- Mechanical—A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 inches.

- Mulch Netting—Netting shall be used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and on critical slopes.

- Asphalt Emulsion—Asphalt shall be applied as recommended by the manufacturer or at the rate of 150 gallons per acre.

- From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor. After November 20, and before March 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of seeding.
- From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilizer; apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.
- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed.
- Where feasible, except when a cultipacker type seeder is used, the seedbed should be firm following seeding operations with a cultipacker, roller, or light drag. On sloping land, seeding operations should be on the contour where feasible.

**Mulching**

- Mulch material shall be applied immediately after seeding. Dormant seeding shall be mulched. 100% of the ground surface shall be covered with an approved material.
- Materials
  - Straw—If straw is used it shall be unrotted small-grain straw applied at the rate of 2 tons per acre or 90 pounds (two to three bales) per 1,000-sq. ft. The mulch shall be spread uniformly by hand or mechanically applied so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000-sq. ft. sections and spread two 45-lb. bales of straw in each section.
  - Hydroseeders—If wood cellulose fiber is used, it shall be applied at 2,000 lb./ac. or 48 lb./1,000 sq. ft.
  - Other—Other acceptable mulches include rolled erosion control matings or blankets applied according to manufacturer's recommendations or wood chips applied at 6 tons per acre.

- Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tac, DCA-70, Petroset, Terra Tack or equivalent may be used at rates specified by the manufacturer.

- Wood Cellulose Fiber—Wood cellulose fiber shall be applied at a net dry weight of 750 pounds per acre. The wood cellulose fiber shall be mixed with water with the mixture containing a maximum of 50 pounds cellulose per 100 gallons of water.

**Irrigation**

- Permanent seeding shall include irrigation to establish vegetation during dry weather or on adverse site conditions, which require adequate moisture for seed germination and plant growth. Irrigation rates shall be monitored to prevent erosion and damage to seeded areas from excessive runoff.

Table 7.10.2 Permanent Seeding

Seed Mix	Seeding Rate		Notes:
	Lbs./acre	Lbs./1,000 Sq. Feet	
General Use			
Creeping Red Fescue	20-40	1/2-1	For close mowing & for waterways with <2.0 ft/sec velocity
Domestic Ryegrass	10-20	1/4-1/2	
Tall Fescue	20-40	1/2-1	
Tall Fescue	40-50	1-1 1/4	
Turf-type (dwarf) Fescue	90	2-1/4	
Steep Banks or Cut Slopes			
Tall Fescue	40-50	1-1 1/4	
Crown Vetch	10-20	1/4-1/2	Do not seed later than August
Tall Fescue	20-30	1/2-3/4	
Flat Pea	20-25	1/2-3/4	Do not seed later than August
Tall Fescue	20-30	1/2-3/4	
Road Ditches and Swales			
Tall Fescue	40-50	1-1 1/4	
Turf-type (Dwarf) Fescue	90	2-1/4	
Kentucky Bluegrass	5	0.1	
Lawns			
Kentucky Bluegrass	100-120	2	
Perennial Ryegrass	100-120	2	
Kentucky Bluegrass	100-120	2	For shaded areas
Creeping Red Fescue	100-120	1-1/2	

Note: Other approved seed species may be substituted.



CLEVELAND  
111 FRONT STREET  
AKRON, OHIO 44312-1912

PREPARED BY:

**STONE GREEN CONSULTING, LLC**

4014 MEDINA ROAD #1015  
AKRON, OH 44333  
TEL: 330-400-3811  
stonegreenconsulting@gmail.com  
COA-0544F

**PROJECT INFORMATION**

Project Number:

MPA.00049.00

Client Name:

CITY OF ELYRIA

PARKS AND RECREATION

Project Name:

POCKET PARK DEVELOPMENT

Project Address:

WEST AVENUE AND 15TH STREET

1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

1. 08/20/2024 PROJECT / OWNER REVIEW

2. 10/02/2024 PERMITS / PERMITS

3. 01/02/2025 ADDENDUM #1

**PROFESSIONAL STAMPS**



**SHEET INFORMATION**

Name: Scale:

10/17/2024 As indicated

Project Status:

PROGRESS/OWNER REVIEW

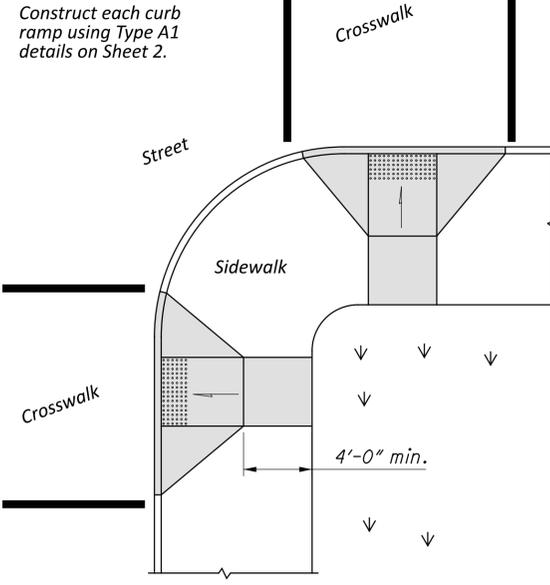
Drawn By: Checked By:

SEC SEC

Drawing Title:

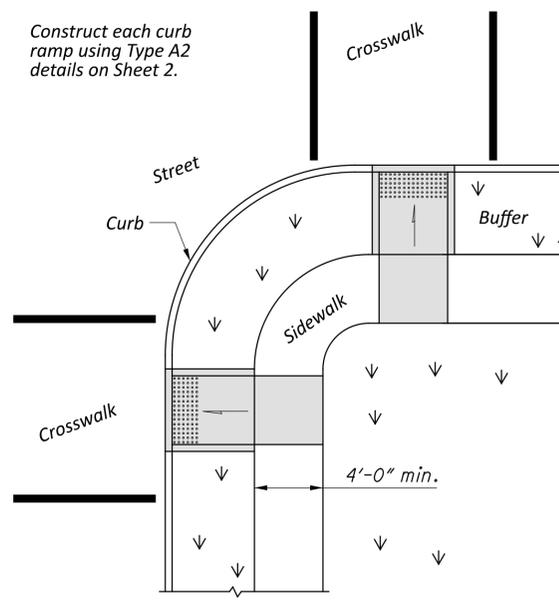
EROSION & SEDIMENT CONTROL DETAILS

Drawing Number:

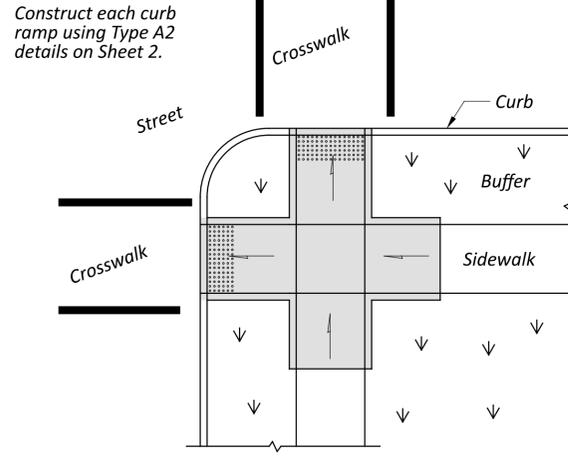


Use curb ramps with flared sides at locations with wide sidewalks.

PERPENDICULAR CURB RAMPS



Use curb ramps with returned curbs where buffer is wide enough to accommodate ramp slope.



NOTES

**GENERAL:** This drawing shows curb ramp types details and placement examples for curb ramp construction, including the installation of detectable warnings.

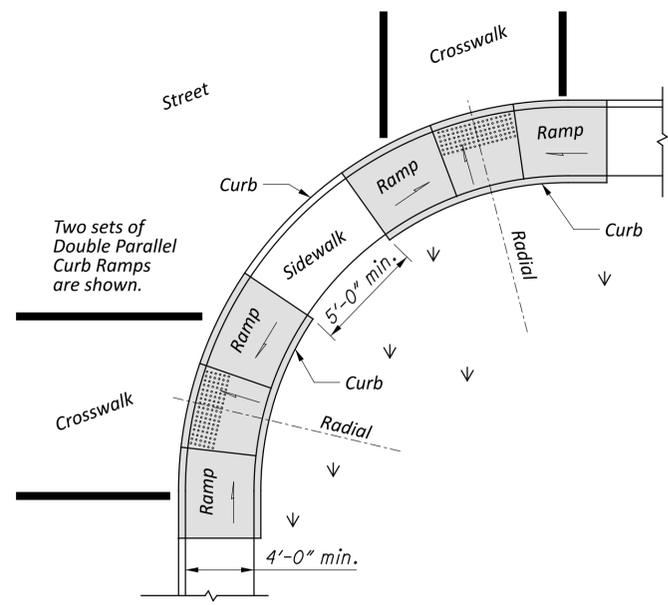
Curb ramp types are shown on Sheet 2 and include Perpendicular, Parallel, and Combined types as specified to be constructed in the locations shown on the project plans.

Curb ramps added to an existing intersection or walk should be individually detailed on the project plans to assure that the design is appropriate for site constraints and all items can be constructed to ADA standards. The contractor may adjust the placement of curb ramps if existing field conditions warrant with the approval of the Engineer.

**PAYMENT:** Measure and pay for the ramp area within the shaded limits of this drawing as Item 608 Curb Ramp, Square Foot. This includes the cost of any curb or curb and gutter, detectable warnings, landing areas and any additional materials, installation, grading, forming, and finishing required within the shaded area.

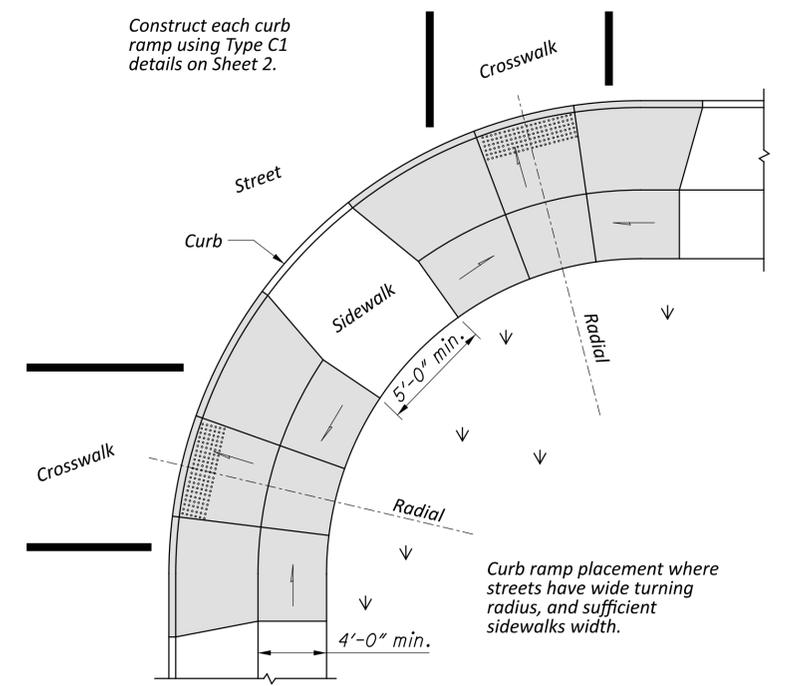
Work beyond the shaded ramp/landing area is paid for as curb (609) and walk (608). Removal of existing curb, walk (or existing curb ramps) are paid under Item 202.

For at-grade crossing locations where only detectable warnings are required in order to achieve ADA compliance, measure and pay for the strip of detectable warnings as Item 608 Detectable Warning, Square Foot. The work to cast the tiles in place will also require removal of existing pavement (Item 202) to the nearest joint, or if no joint exists, a minimum of 4 feet.



Place on streets having wide turning radius and where sidewalks are narrow.

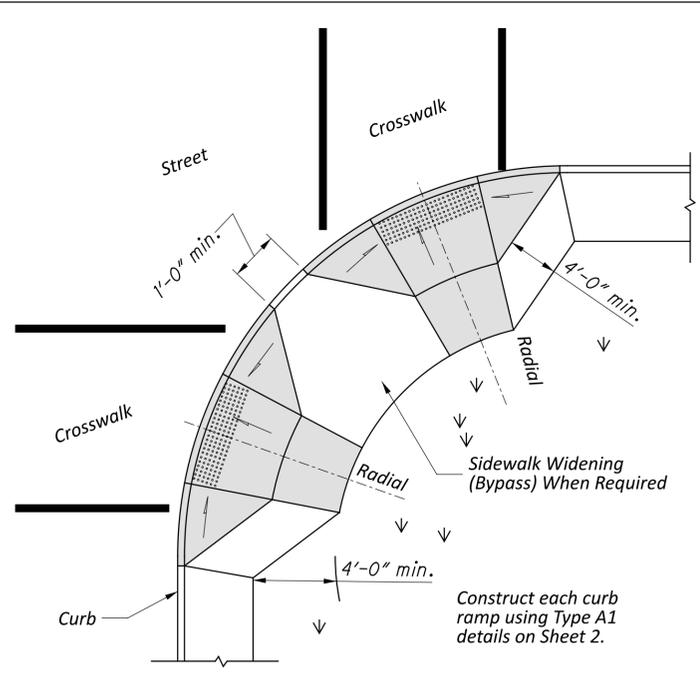
PARALLEL CURB RAMPS



Curb ramp placement where streets have wide turning radius, and sufficient sidewalks width.

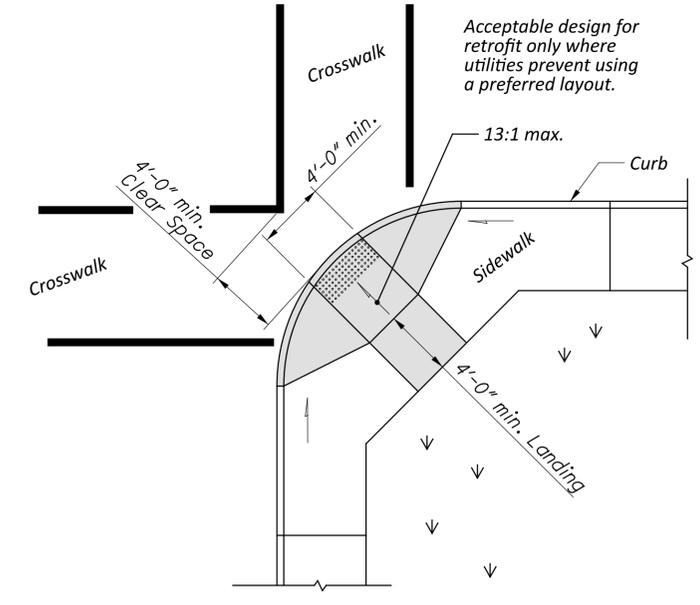
COMBINATION CURB RAMPS

PREFERRED CONSTRUCTION PLACEMENT



Acceptable design on corners with wide turning radius where user is able to maneuver within crosswalk limits so as not to encroach into adjacent traveled lanes.

PERPENDICULAR RAMPS



Use this design only for existing walks, and when site constraints prohibit other designs. The diagonal Type D ramp may be constructed as either a Perpendicular, Parallel or Combination curb ramp type. Avoid using where curb radii are less than 20'-0".

DIAGONAL RAMP (Type D)

ACCEPTABLE CONSTRUCTION PLACEMENT

REVISIONS
01-21-2022
01-20-2023
07-21-2023
01-19-2024
07-19-2024

STDS ENGINEER  
D. Fisher

STATE OF OHIO OFFICE OF ROADWAY ENGINEERING ADMINISTRATOR  
Adam Koenig

STANDARD ROADWAY CONSTRUCTION DRAWING  
NEW CURB RAMPS  
(with Detectable Warnings)

THIS DRAWING REPLACES BP-7.1 DATED 07-21-2023.

DESIGN AGENCY



SCD NUMBER	BP-7.1
SHEET	P.1
TOTAL	4

REVISIONS
01-21-2022
01-20-2023
07-21-2023
01-19-2024
07-19-2024

SDS ENGINEER  
D. Fisher

STATE OF OHIO OFFICE OF ROADWAY ENGINEERING ADMINISTRATOR  
**Adam Koenig**

**STANDARD ROADWAY CONSTRUCTION DRAWING**  
**NEW CURB RAMPS**  
(with Detectable Warnings)

THIS DRAWING REPLACES BP-7.1 DATED 07-21-2023.

DESIGN AGENCY



SCD NUMBER  
BP-7.1

SHEET TOTAL  
P.2 4

**NOTES CONTINUED**

The running slope of the curb ramp shall be a 13:1 maximum or flatter. In existing sidewalks, where the maximum ramp slope is not feasible due to site constraints (e.g. utility poles or vaults, right-of-way limits) it may be reduced as follows:

- A) 10:1 for a max. rise of 6",
- B) 8:1 for a max. rise of 3",
- C) 6:1 over a max. run of 2'-0" for historic areas where a flatter slope is not feasible.

To prevent chasing the grade indefinitely, the transition from existing sidewalk to the shaded curb ramp area is not required to exceed 15 feet in length.

While ramps may be skewed to the crosswalk, the entire lower landing area must fall within the cross walk that the ramp serves and cannot be located in the traveled lane of opposing traffic.

The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transitions shall be 20:1 or flatter.

The bottom edge of the ramp shall change planes perpendicular to the landing.

The edge of the curb shall be flush with the edge of the adjacent pavement and gutter and surface slopes that meet grade breaks shall also be flush.

Ramp landings shall be 4' min. x 4' min. with a 64:1 or flatter cross slope and running slope.

Provide 24" wide level strip if the algebraic difference between the ramp slope and the street exceeds 11%.

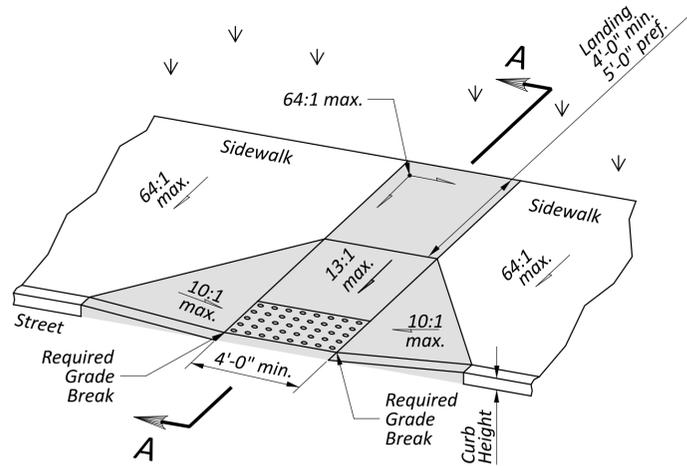
**DETECTABLE WARNINGS:** Install Detectable Warnings on each curb ramp with approved materials, as shown on Sheet 3. Install these proprietary products as per manufacturer's written instructions.

**BLENDED TRANSITIONS:** Blended Transitions do not require a landing since the slopes shall not exceed 5%.

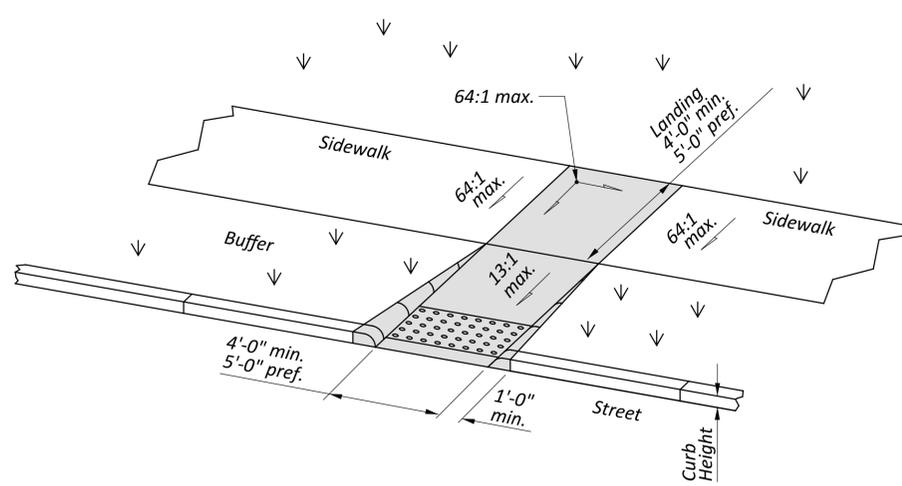
**DRAINAGE:** Contractor is to ensure the base of each constructed curb ramp allows for proper drainage, without exceeding allowable cross slope or ramp slopes. Vertical change in level exceeding 1/8" between the 1) pavement and gutter, and 2) gutter and ramp, are not allowed.

**SURFACE TEXTURE:** Texture concrete surfaces by coarse brooming transverse to the ramp slopes to be rougher than the adjacent walk.

**JOINTS:** Provide expansion joints in the curb ramp as extensions of walk joints and consistent with Item 608.03 requirements for a new concrete walk. Provide a 1/2" Item 705.03 expansion joint filler around the edge of ramps built in existing concrete walks. Lines shown on this drawing indicate the ramp edges and slope changes, and do not necessarily indicate joint lines.

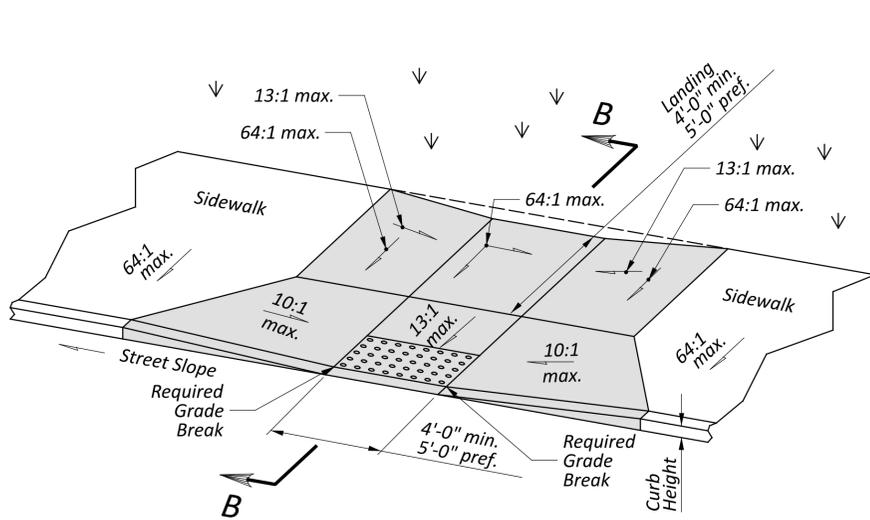


Type A1 (Perpendicular with flared sides)

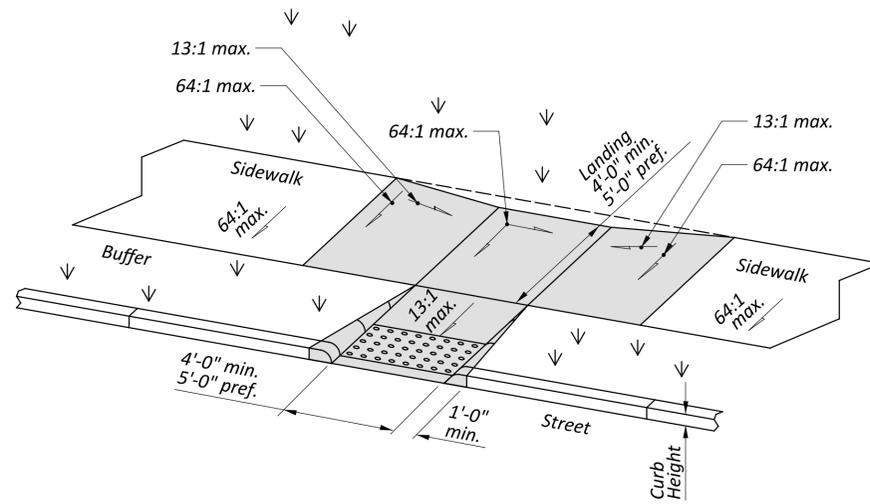


Type A2 (Perpendicular with returned curb)

**PERPENDICULAR CURB RAMP DETAILS**

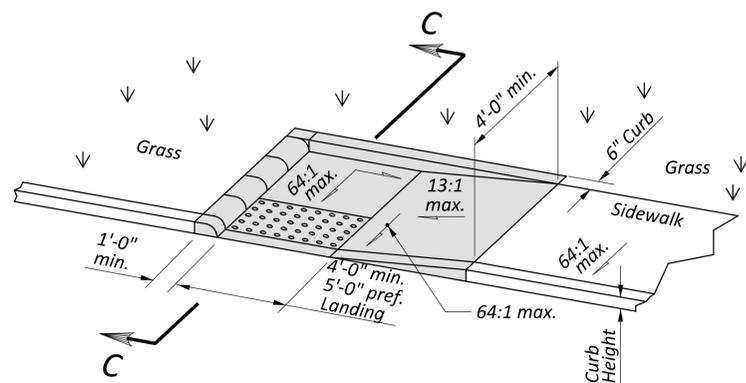


Type C1 (Combined with flared sides)

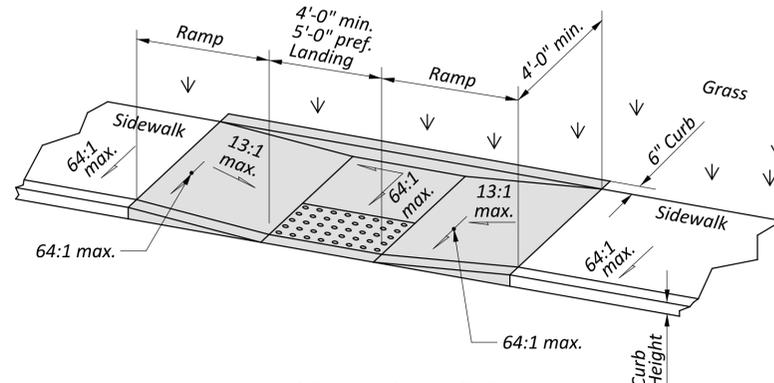


Type C2 (Combined with returned curb)

**COMBINED CURB RAMP DETAILS**

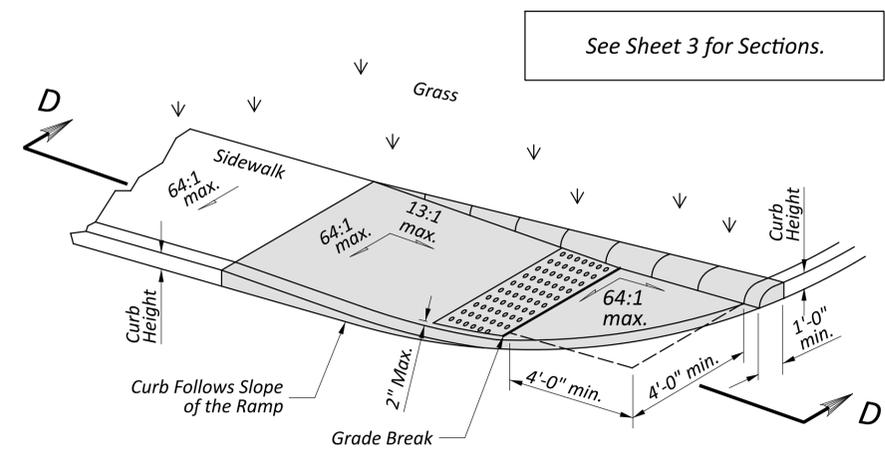


Type B1 (Single sided Parallel)



Type B2 (Double sided Parallel)

**PARALLEL CURB RAMP DETAILS**



Type B3 (Single sided Parallel)

See Sheet 3 for Sections.

BP-7.1

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REVISIONS
01-21-2022
01-20-2023
07-21-2023
01-19-2024
07-19-2024

STDS ENGINEER  
D. Fisher

STATE OF OHIO OFFICE OF ROADWAY ENGINEERING ADMINISTRATOR  
**Adam Koenig**

**STANDARD ROADWAY CONSTRUCTION DRAWING  
NEW CURB RAMPS  
(with Detectable Warnings)**

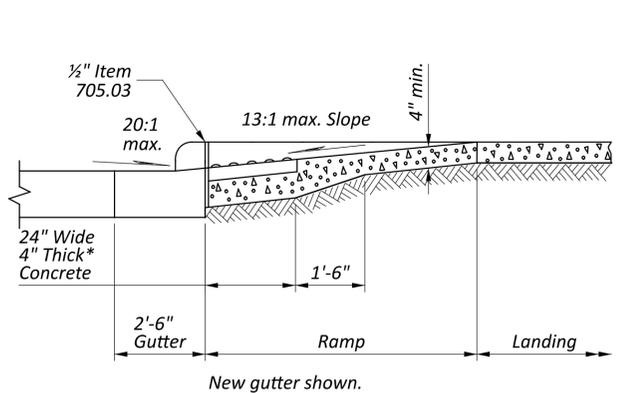
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DESIGN AGENCY

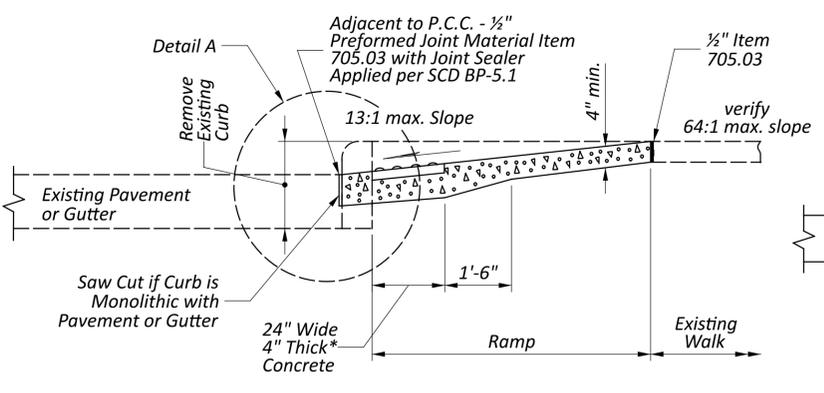


SCD NUMBER  
BP-7.1

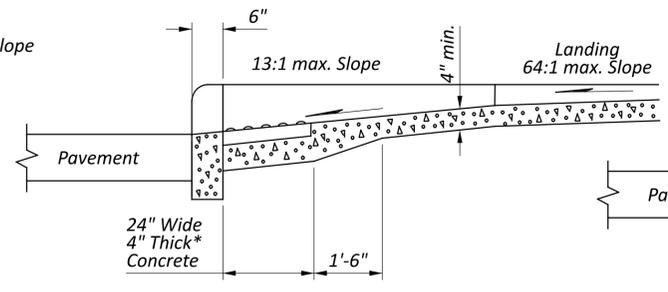
SHEET TOTAL  
P.3 4



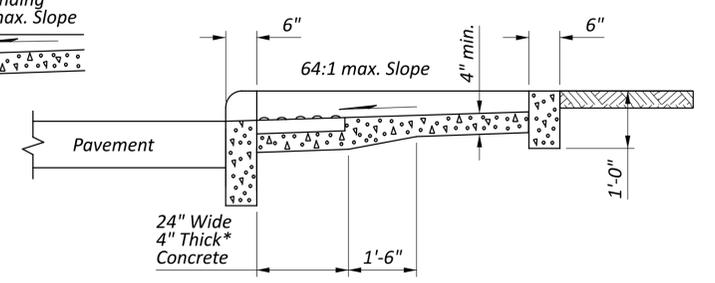
**SECTION A-A  
NORMAL DETAIL**  
See Sheet 2.



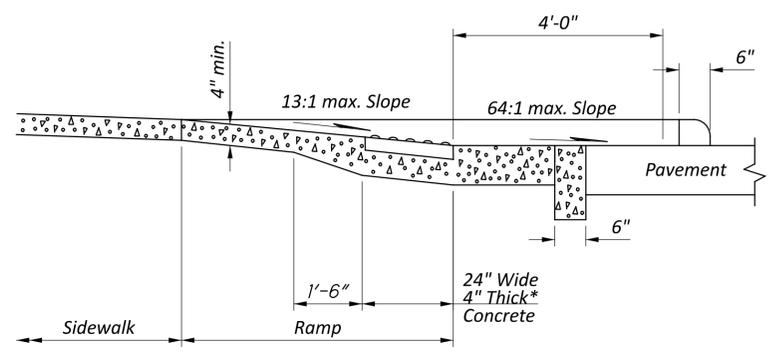
**SECTION A-A  
EXISTING WALK DETAIL**  
See Sheet 2.



**SECTION B-B**  
See Sheet 2.

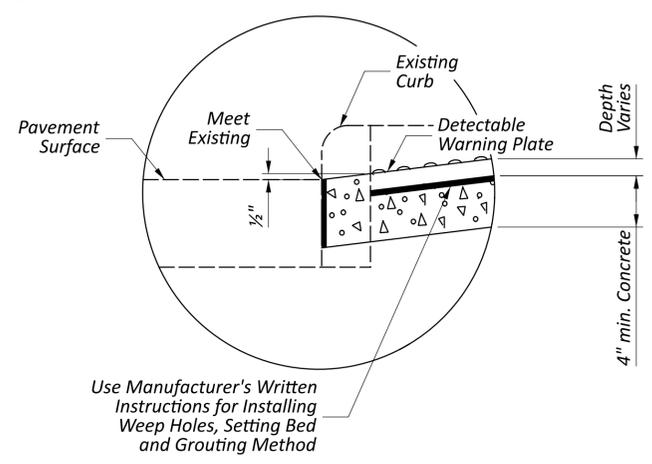


**SECTION C-C**  
See Sheet 2.

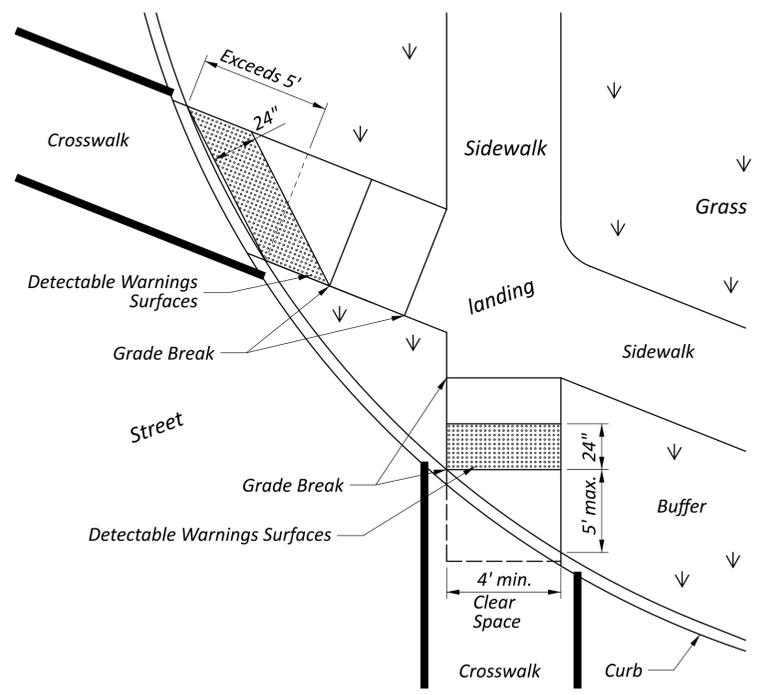


**SECTION D-D**  
See Sheet 2.

\*Where possible, pour ramp area integral with the curb, otherwise use 6" thick walk.



**DETAIL A**



**DETECTABLE WARNING ALIGNMENT  
FOR DIRECTIONAL CURB RAMPS**

**DETECTABLE WARNINGS NOTES**

**GENERAL:** Detectable Warnings are a distinctive surface pattern of truncated domes which are detectable by cane or underfoot to alert people with vision impairments of their approach to streets and hazardous drop-offs.

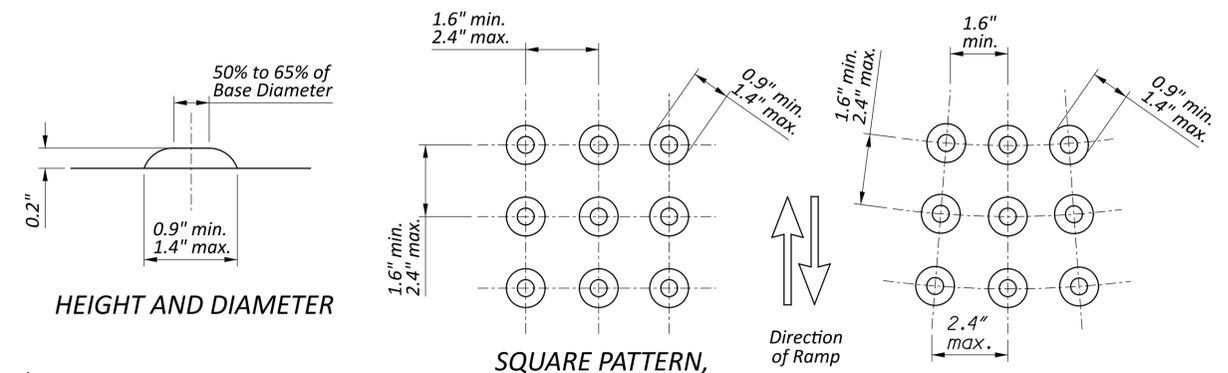
**PLACEMENT:** Detectable warnings are to be installed at any location where pedestrians might cross paths with vehicular traffic lanes, such as the base of curb ramps or at blended curbs. A 24" strip of domes is to be installed for the full width of the ramp or walk. Typical street corner placement locations are shown on Sheet 1.

Some detectable warning products require a concrete border for proper installation. The concrete border should not exceed 2". Where the back of curb edge is tooled to provide a radius, the border dimension should be measured from the end of the radius.

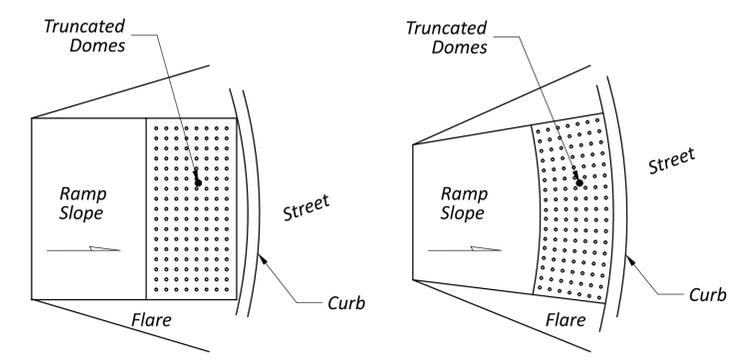
The depth of concrete underneath detectable warning products shall be a minimum of 4". See DETAIL A.

**ALIGNMENT:** Truncated domes should be aligned with the primary direction of the ramp as shown on the DETECTABLE WARNING ALIGNMENT Detail to direct pedestrians toward the landing. Normally the detectable warnings should be flush with the back of the curb, but for skewed conditions see DETECTABLE WARNING ALIGNMENT Detail. For non-standard layouts, detectable warning materials may have to be mitered and placed segmentally.

**PRODUCTS & COLORS:** Color of the detectable warnings should contrast with surrounding concrete walk and ramp. Black is not an acceptable color. Approved products and guidance on color may be found on the Office of Roadway Engineering Service's Detectable Warnings Approved List. Install products as per manufacturer's printed instructions.



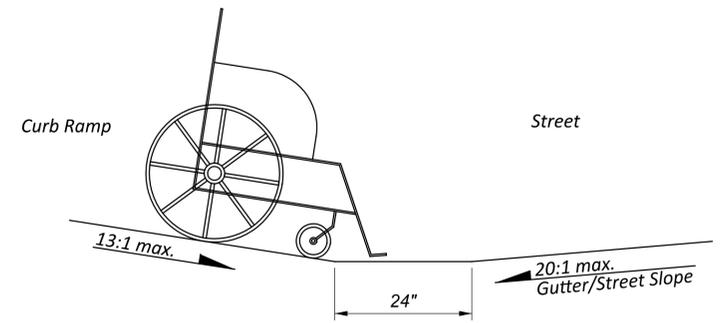
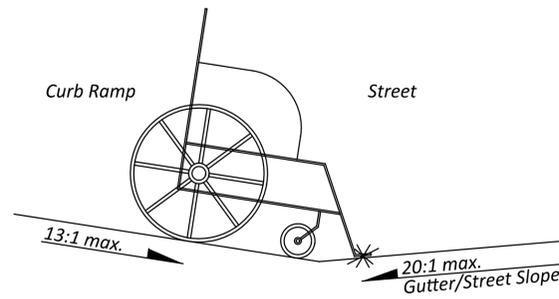
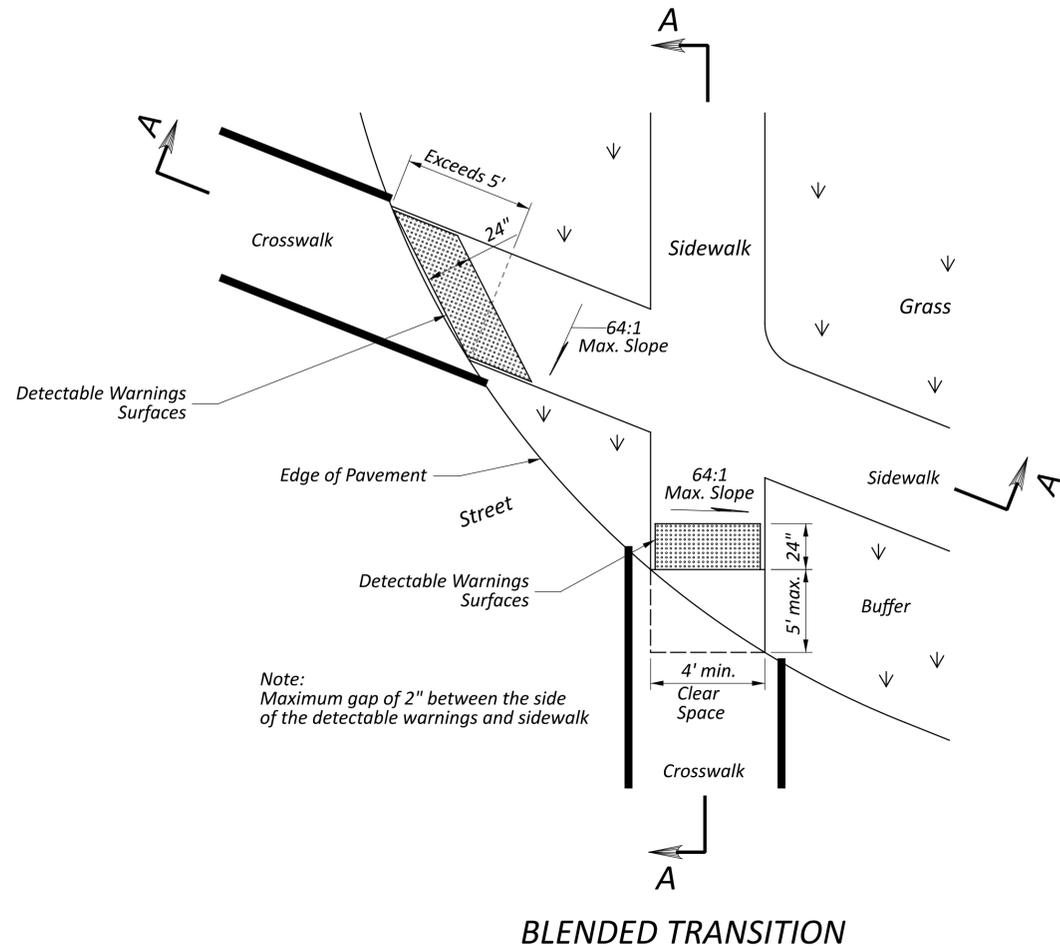
**TRUNCATED DOMES DETAILS**



**DOME ALIGNMENT ON RADIUSED CURB**

BP-7.1

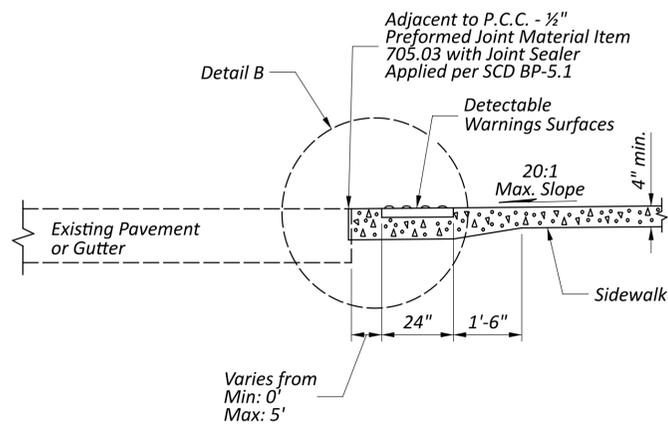
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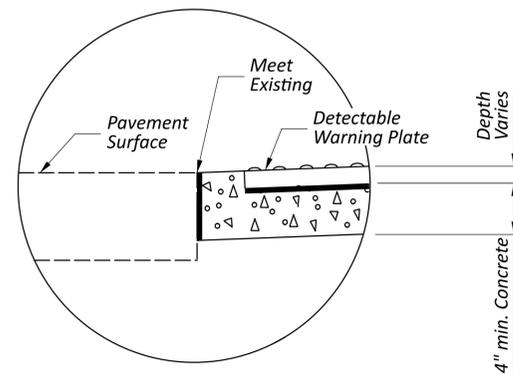
Algebraic difference greater than 11% is not permitted

Provide 24 inch level strip if algebraic difference exceeds 11%

**ALGEBRAIC GRADE DIFFERENCE DETAIL**



**SECTION A-A**



**DETAIL B**



**SITE PLAN GENERAL NOTES**

1. THE CITY HAS PRE-PURCHASED SOME ITEMS TO BE USED ON THIS PROJECT.
  - A. THREE SOLAR STATION TABLES SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
  - B. HYDRATION CENTER SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
  - C. BIKE RACK AND BIKE FIX-IT STATION SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
2. LANDSCAPE PLANTERS TO BE BY THE GENERAL CONTRACTOR.
  - A. CITY WILL DO ARTWORK DISPLAYS ON THE PLANTERS.
3. FOUNDATIONS FOR THE ARCHWAY IN THE BASE BID.
  - A. COLUMNS (PIERS) AND THE ARCHWAY TO BE BID AS AN ALTERNATE.
4. LIGHT POLES ALONG WEST AVENUE AND 15th STREET TO BE BID AS AN ALTERNATE.
5. GIANT CHESS BOARD TO BE PAINTED ON CONCRETE.
6. SWINGS TO BE OF UNIVERSAL SIZE SO EVERYONE CAN USE.
7. FOUR REMOVABLE BOLLARDS AT THE FOOD TRUCK AREA TO CLOSE OFF AREA WHEN TRUCKS ARE NOT THERE.

**LIST OF ALTERNATES**

1. ALTERNATE #1 - ARCHWAY ELEMENT
  - FOUNDATIONS FOR THE ARCHWAY IN THE BASE BID.
  - COLUMNS (PIERS) AND THE ARCHWAY TO BE BID AS ALTERNATE #1.
2. ALTERNATE #2 - LIGHT POLES
  - LIGHT POLES ALONG WEST AVENUE AND 15th STREET TREE-LAWN AREAS TO BE BID AS ALTERNATE #2.

**PROJECT INFORMATION**

Project Number: MPA.00049.00  
Client Name: CITY OF ELYRIA  
PARKS AND RECREATION  
Project Name: POCKET PARK DEVELOPMENT

Project Address: WEST AVENUE AND 15th STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

#	DATE	OWNER REVIEW
1	10/17/2024	PERMIT / BIDDING
2	10/29/2024	PERMIT / BIDDING
3	01/10/2025	ADDITIONAL #1

**PROFESSIONAL STAMPS**



Donald Rerko, License #9310467  
Expiration Date 12/31/2025



**SHEET INFORMATION**

Sheet: A1.1 Scale: As Indicated  
Date: 01/10/2025  
Project Status: PERMIT / BIDDING  
Drawn by: CPL Checked by: CPL  
Drawing Title: SITE PLAN  
Drawing Number:

Drawing Number

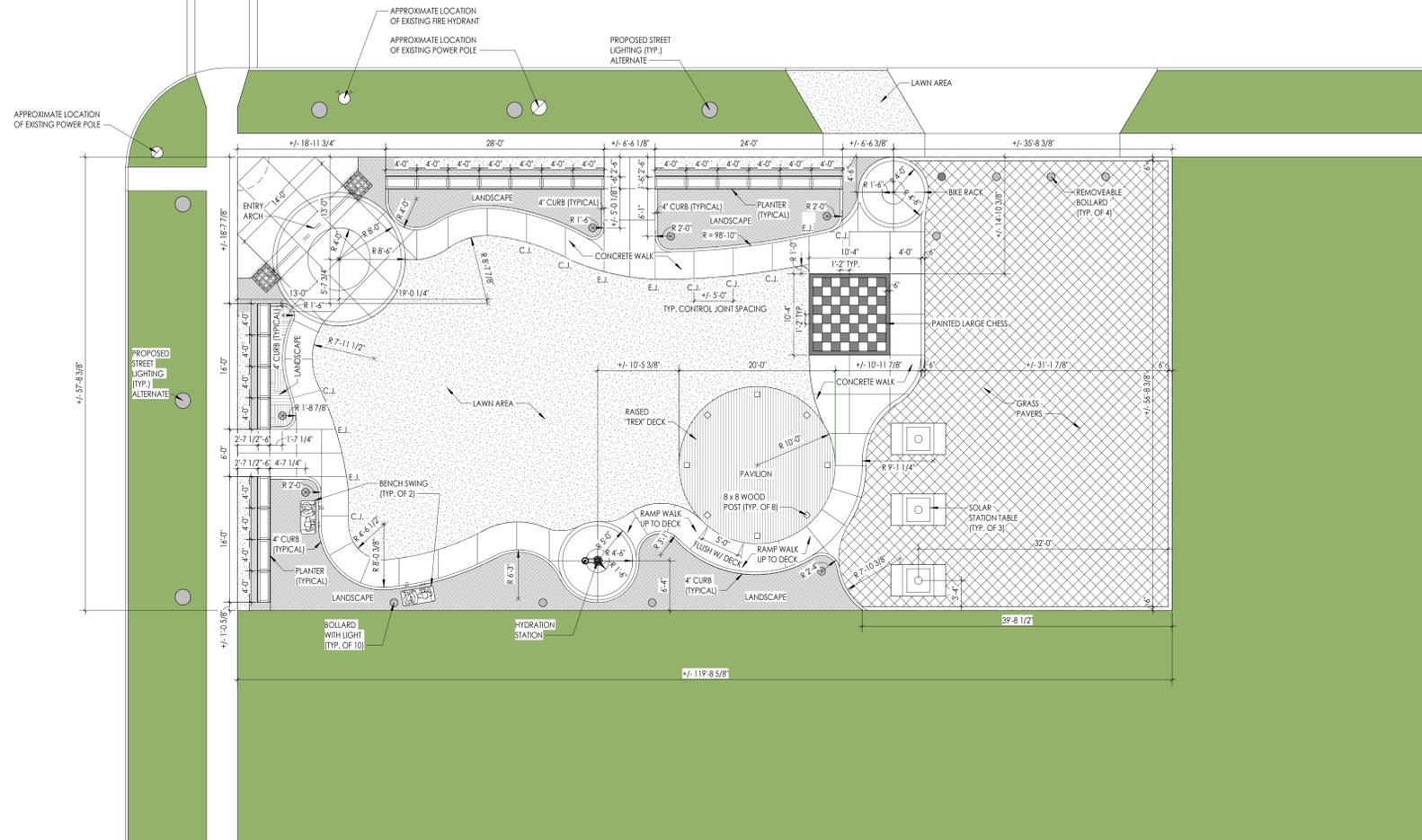
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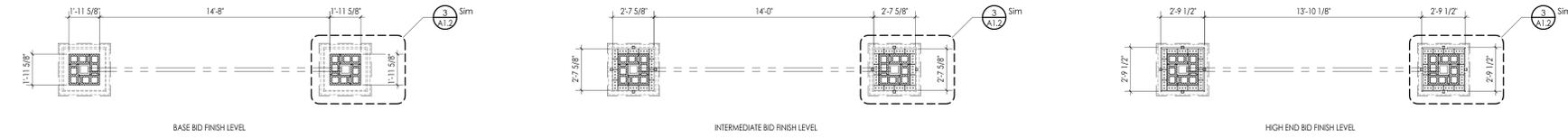
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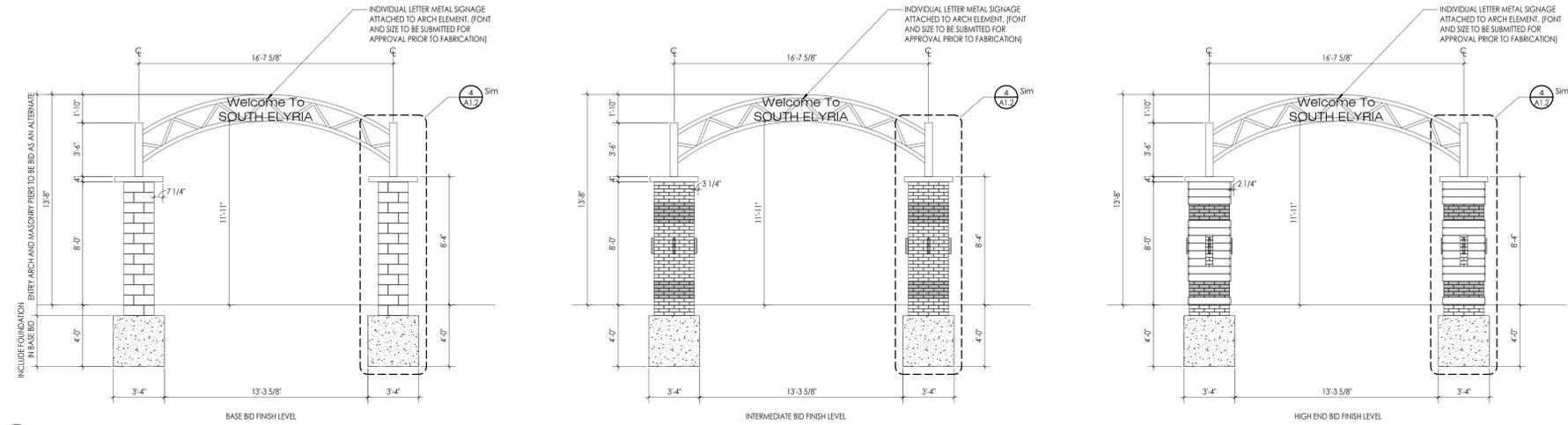
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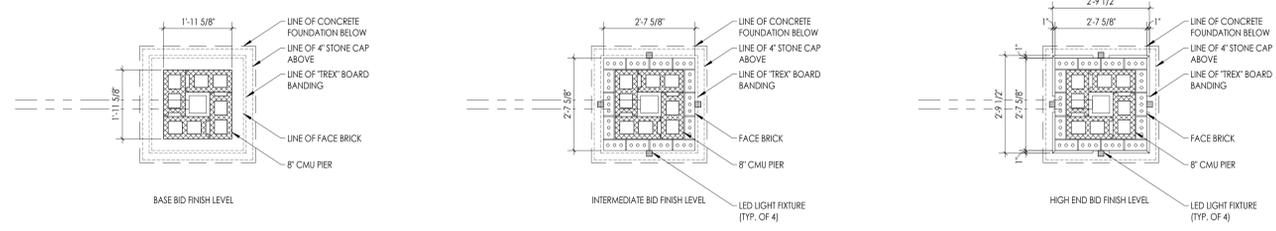
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1/8" = 1'-0"  
PROJECT NORTH



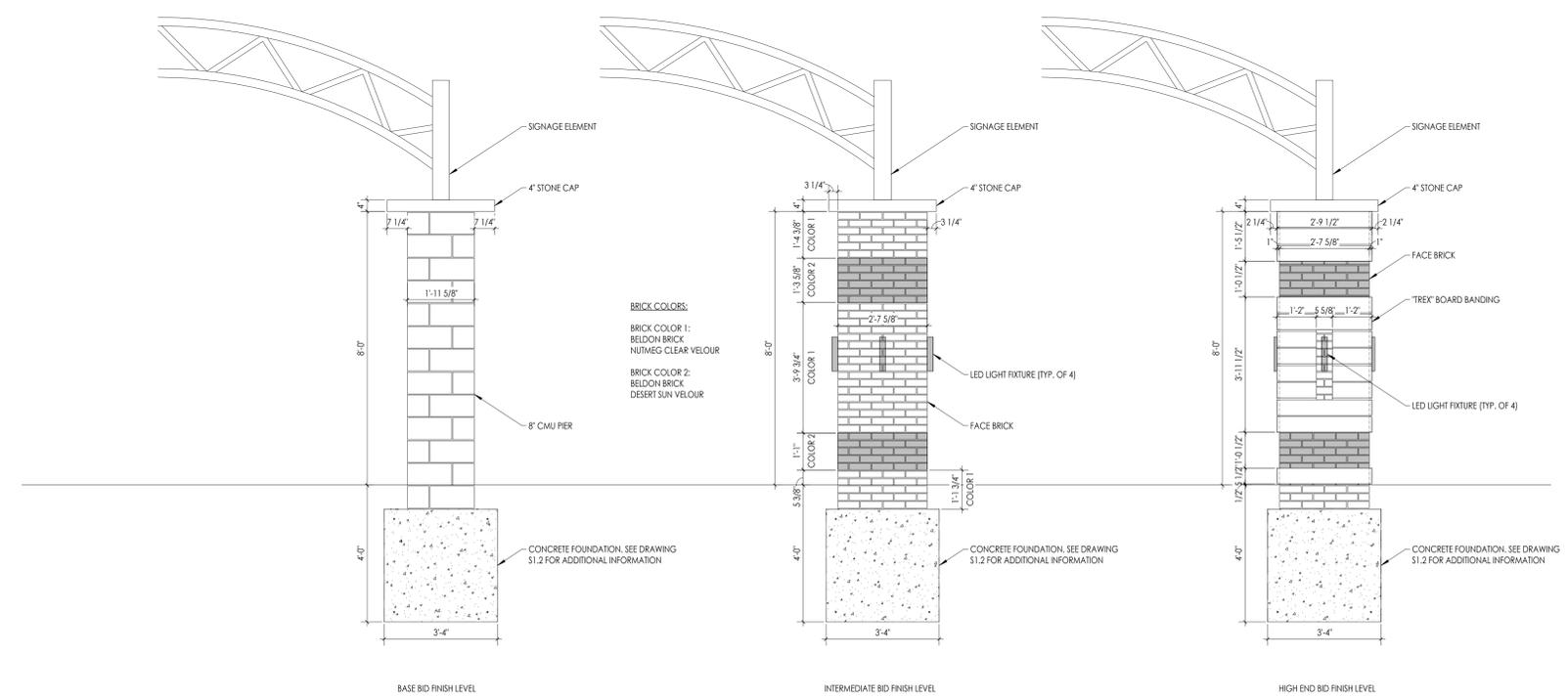
**1 Arch Plan**  
 1/4" = 1'-0"



**2 Arch Elevation**  
 1/4" = 1'-0"



**3 Arch Enlarged Plan**  
 1/2" = 1'-0"



**4 Arch Enlarged Elevation**  
 1/2" = 1'-0"

**PROJECT INFORMATION**  
 Project Number: MPA.00049.00  
 Client Name: CITY OF ELYRIA  
 Project Name: PARKS AND RECREATION  
 POCKET PARK DEVELOPMENT  
 Project Address: WEST AVENUE AND 15TH STREET  
 1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

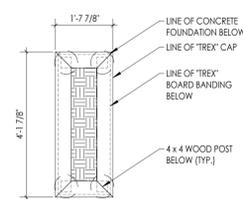
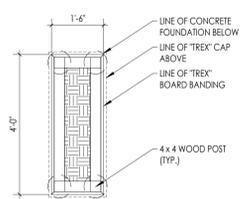
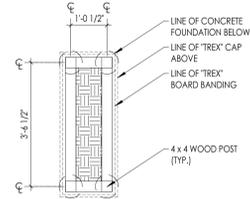
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**PROFESSIONAL STAMPS**

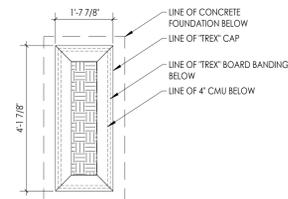
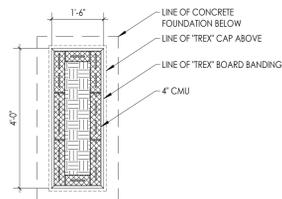
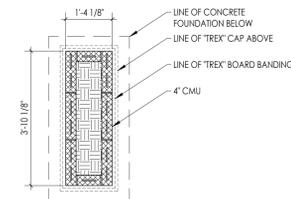
STATE OF OHIO  
 DONALD RERKO  
 REGISTERED ARCHITECT  
 Donald Rerko, License #9310467  
 Expiration Date 12/31/2025

**SHEET INFORMATION**

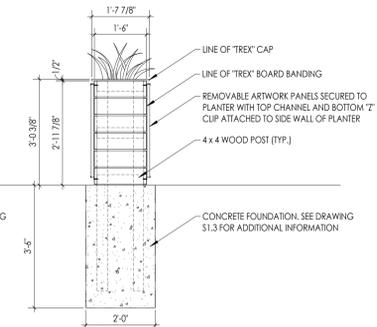
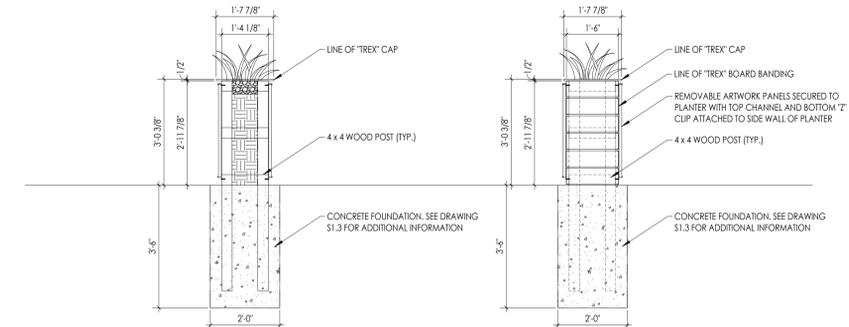
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 Drawn by: CPL  
 Checked by: CPL  
 Drawing Title: ENTRY ARCH



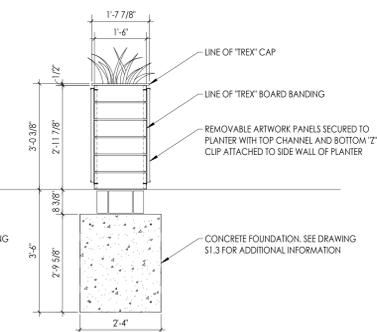
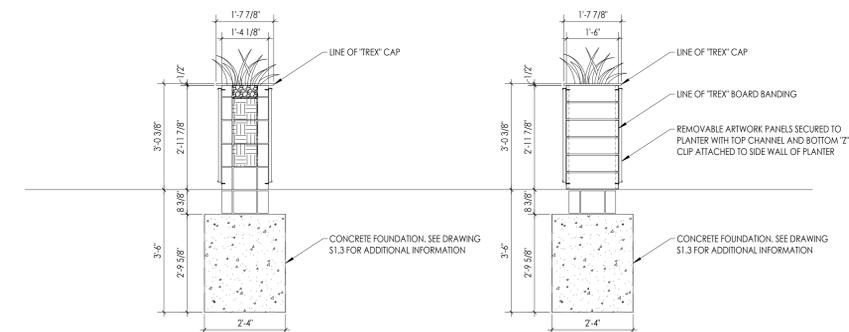
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1/2" = 1'-0"



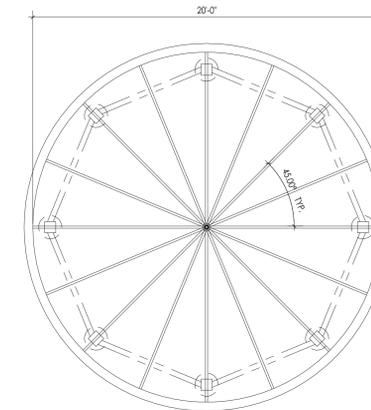
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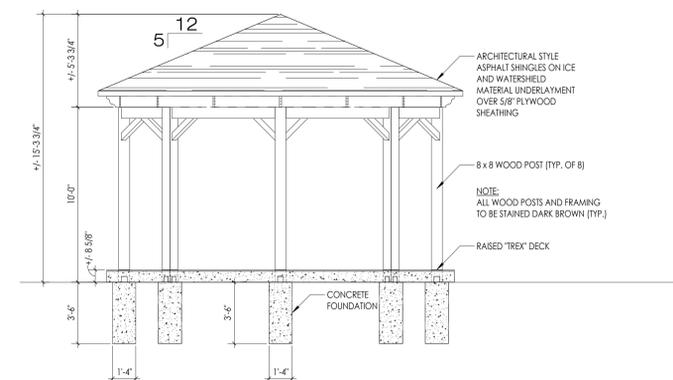
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1/2" = 1'-0"



4 Planter Elevation Option 2  
1/2" = 1'-0"



5 Pavilion Plan  
1/4" = 1'-0"



6 Pavilion Elevation  
1/4" = 1'-0"

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Project Number: MPA.00049.00  
Client Name: CITY OF ELYRIA  
Project Name: PARKS AND RECREATION  
POCKET PARK DEVELOPMENT

Project Address: WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

#	10/17/2024	OWNER REVIEW
#	12/20/2024	PERMIT / BIDDING

**PROFESSIONAL STAMPS**



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Expiration Date 12/31/2025

**SHEET INFORMATION**  
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Drawn By: CPL  
Checked By: CPL  
Drawing Title: PLANTER AND PAVILION  
Drawing Number:

GENERAL

DOCUMENTS AFFECTING THE WORK OF THESE SPECIFICATIONS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO, AIA DOCUMENT A201.

QUALITY ASSURANCE

USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.

03 30 00 - CAST IN PLACE CONCRETE

COMPLY WITH ASTM C94, ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"; AND CRSI "MANUAL OF STANDARD PRACTICE."

MATERIALS

REINFORCING BARS: ASTM A615, GRADE 60 KSI YIELD STRENGTH. TACK WELDING OF REINFORCING SHALL NOT BE PERMITTED.

PORTLAND CEMENT: ASTM C 150, TYPE I.

FLY ASH: ASTM C 618, TYPE F.

AGGREGATES: ASTM C 33, CLASS 4S.

AIR-ENTRAINING ADMIXTURE: ASTM C 260.

CHEMICAL ADMIXTURES: ASTM C 494 WATER REDUCING.

CONCRETE MIX

MIX CONCRETE IN ACCORDANCE WITH ASTM C94.

FOUNDATION CONCRETE

COMPRESSIVE STRENGTH

28 DAYS: 3750 PSI (6 SACK)

SLUMP: 4 INCHES

USE NO OTHER ADMIXTURES WITHOUT THE ARCHITECTS PERMISSION.

PLACING CONCRETE:

CONSTRUCT FORMWORK AND MAINTAIN TOLERANCES AND SURFACE IRREGULARITIES WITHIN ACI 117 LIMITS OF CLASS A FOR CONCRETE EXPOSED TO VIEW AND CLASS C FOR OTHER CONCRETE SURFACES. PLACE ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT. PLACE CONCRETE IN A CONTINUOUS OPERATION AND CONSOLIDATE USING MECHANICAL VIBRATING EQUIPMENT. PROTECT CONCRETE FROM PHYSICAL DAMAGE OR REDUCED STRENGTH DUE TO WEATHER EXTREMES DURING MIXING, PLACING, AND CURING.

04 22 00 - CONCRETE UNIT MASONRY

PROVIDE AND INSTALL CONCRETE UNIT MASONRY WHERE SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

COMPLY WITH ACI 530.1/ASCE

USE ONLY SKILLED WORKMEN TRAINED AND EXPERIENCED IN THE CRAFT. PROVIDE NORMAL WEIGHT HOLLOW CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90, TYPE I. UNITS SHALL BE NOMINAL FACE DIMENSION OF 16" LONG BY 8" HIGH, DEPTH AS NOTED ON DRAWINGS. MORTAR TO BE TYPE 'S' WHERE MASONRY IS EXPOSED TO THE EXTERIOR AND TYPE 'N' WHERE MASONRY IS NOT EXPOSED TO EXTERIOR. DISCARD MORTAR WHICH IS UNUSED AFTER 1 1/2 HOURS FOLLOWING INITIAL MIXING. ALIGN MASONRY WITH EXISTING MASONRY CONSTRUCTION WHEN INFILLING EXISTING OPENINGS. USE MASONRY SAWS TO CUT AND FIT UNITS. SET UNITS PLUMBS AND TRUE TO LINE WITH COURSES MATCHING EXISTING. KEEP WALL SURFACES CLEAN FROM MORTAR DROPPINGS. MATCH TOOLING OF EXISTING JOINTS.

LAY UNITS IN FULL BEDS OF MORTAR. GROUT SHALL BE ONE PART PORTLAND CEMENT TO THREE PARTS MAXIMUM DRY, LOOSE SAND.

INSTALL STEEL LINTELS AS INDICATED. PROVIDE MINIMUM BEARING OF 8 INCHES.

MORTAR SHALL BE ASTM C270, PROPORTION SPECIFICATION, FOR JOB-MIXED MORTAR; AND ASTM C1142 FOR READY MIXED MORTAR.

04 26 13 - MASONRY VENEER

PROVIDE FACE BRICK AND MASONRY ACCESSORIES WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

CLAY FACE BRICK: STANDARD UNITS 3 1/2" X 7 5/8" X 7 5/8".

PRODUCT: REFER TO EXTERIOR ELEVATIONS.

MORTAR MATERIALS: REFER TO CONCRETE MASONRY UNIT SPECIFICATIONS. DRAWINGS.

ASPHALT-COATED COPPER FLASHING: 5-OZ./SQ. FT. COPPER SHEET COATED WITH FLEXIBLE ASPHALT.

HORIZONTAL JOINT REINFORCEMENT: LADDER OR TRUSS TYPE, WELDED, 9 GAGE WIRE, ZINC COATED GALVANIZED AFTER FABRICATION, ASTM A-153 CLASS B-2, 1.5 OZ. FINISH. WIDTH 1 1/2" LESS THAN THICKNESS OF WALL. PROVIDE PREFABRICATED CORNERS.

LAY BRICK IN FULL BEDS OF MORTAR. LEVEL AND PLUMB. MORTAR TO BE TYPE 'S' EXTERIOR. TOOL ALL JOINTS CONCAVE (TO MATCH EXISTING BUILDING).

COVER MASONRY WORK WITH WATERPROOF TARPS AS END OF EACH DAY'S WORK. TILT UP SCAFFOLD PLANK ADJACENT TO WALL AT END OF DAY'S WORK TO PREVENT RAIN SPLATTER. REMOVE MORTAR DROPS AND STAINS AS WORK PROGRESSES. CLEAN ALL EXPOSED SURFACES WITH WATER AND FIBER BRISTLE BRUSHES. RINSE THOROUGHLY.

04 72 00 - CAST STONE MASONRY

PROVIDE CAST STONE WALL CAPS WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION. COMPLY WITH CURRENT VERSION ASTM C1364

PHYSICAL PROPERTIES: PROVIDE THE FOLLOWING:

- COMPRESSIVE STRENGTH - ASTM C1194: 6,500 PSI MINIMUM AT 28 DAYS.

- ABSORPTION - ASTM C1195: 6.0% MAXIMUM AT 28 DAYS.

- AIR CONTENT - PROVIDE SUFFICIENT AIR CONTENT TO MEET THE FREEZE-THAW REQUIREMENTS FOR WET CAST PRODUCTS, WHEN THE AIR CONTENT IS TESTED IN ACCORDANCE WITH TEST METHOD C173/C173M OR TEST METHOD C291/C291M. AIR ENTRAINMENT IS NOT REQUIRED FOR VIBRANT DRY TAMP (VDT) PRODUCTS.

- FREEZE-THAW - ASTM C666/C666M IN ACCORDANCE WITH ASTM C1364. THE CRWL SHALL BE LESS THAN 5.0% AFTER 300 CYCLES OF FREEZING AND THAWING.

- LINEAR DRYING SHRINKAGE - ASTM C426: TEST AND REPORT IN ACCORDANCE WITH ASTM C1364.

RAW MATERIALS

- PORTLAND CEMENT - TYPE I OR TYPE III, WHITE AND/OR GREY, ASTM C150.

- COARSE AGGREGATES - GRANITE, QUARTZ OR LIMESTONE, ASTM C33, EXCEPT FOR GRADATION, AND ARE OPTIONAL FOR THE VIBRANT DRY TAMP (VDT) CASTING METHOD.

- FINE AGGREGATES - MANUFACTURED OR NATURAL SANDS, ASTM C33, EXCEPT FOR GRADATION.

COLORS - INORGANIC IRON OXIDE PIGMENTS, ASTM C979 EXCEPT THAT CARBON BLACK PIGMENTS SHALL NOT BE USED.

ADMIXTURES - COMPLY WITH THE FOLLOWING:

ASTM C260 FOR AIR-ENTRAINING ADMIXTURES.

ASTM C494/C494M TYPES A - G FOR WATER REDUCING, RETARDING, ACCELERATING AND HIGH RANGE ADMIXTURES.

ASTM C618 MINERAL ADMIXTURES OF DARK AND VARIABLE COLORS SHALL NOT BE USED IN SURFACES INTENDED TO BE EXPOSED TO VIEW.

REINFORCING

- ASTM A615/A615M, GRADE 40 OR 60 STEEL GALVANIZED OR EPOXY COATED WHEN COVER IS LESS THAN 1.5 IN.

- WELDED WIRE FABRIC: ASTM A1064 / A1064M WHERE APPLICABLE FOR WET CAST UNITS.

- FIBER REINFORCEMENT: ASTM C111

COLOR: BUFF, SMOOTH

REINFORCING

- REINFORCE THE UNITS AS REQUIRED BY THE DRAWINGS AND FOR SAFE HANDLING AND STRUCTURAL STRESS.

- MINIMUM REINFORCING SHALL BE 0.25 PERCENT OF THE CROSS SECTION AREA.

- REINFORCEMENT SHALL BE NONCORROSIVE WHERE FACES EXPOSED TO WEATHER ARE COVERED WITH LESS THAN 1.5 IN. OF CONCRETE MATERIAL. ALL REINFORCEMENT SHALL HAVE MINIMUM COVERAGE OF TWICE THE DIAMETER OF THE BARS.

- WELDED WIRE FABRIC REINFORCING SHALL NOT BE USED IN DRY CAST PRODUCTS.

05 50 00 - METAL FABRICATIONS

PROVIDE AND INSTALL METAL FABRICATIONS AS SHOWN ON DRAWINGS.

METALS

- STEEL PLATES, SHAPES, AND BARS: ASTM A36

- STEEL PIPE: ASTM A53, STANDARD WEIGHT (SCHEDULE 40).

SHOP PRIMER

- UNIVERSAL SHOP PRIMER, FAST-CURING, LEAD- AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD PRIMER COMPLYING WITH MPI#79 AND COMPATIBLE WITH TOPCOAT. USE PRIMER CONTAINING PIGMENTS THAT MAKE IT EASILY DISTINGUISHABLE FROM ZINC-RICH PRIMER.

- SHOP PRIMER FOR GALVANIZED STEEL: PRIMER FORMULATED FOR EXTERIOR USE OVER ZINC-COATED METAL AND COMPATIBLE WITH FINISH PAINT SYSTEMS INDICATED.

- GALVANIZING REPAIR PAINT: HIGH-ZINC-DUST-CONTENT PAINT COMPLYING WITH SSPC-PAINT 20 AND COMPATIBLE WITH PAINTS SPECIFIED TO BE USED OVER IT.

GROUT

- NONSHRINK, NONMETALLIC GROUT: ASTM C1107; RECOMMENDED BY MANUFACTURER FOR EXTERIOR APPLICATIONS.

FABRICATION:

- GALVANIZE METAL FABRICATIONS WITH ZINC-RICH PRIMER UNLESS OTHERWISE NOTED.

06 10 00 - ROUGH CARPENTRY

PROVIDE AND INSTALL WOOD, NAILS, BOLTS, SCREWS, FRAMING ANCHORS, ROUGH HARDWARE, AND OTHER ITEMS NEEDED FOR ROUGH CARPENTRY AND BLOCKING FOR SURFACE MOUNTED ITEMS, AS SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

WOOD PRESERVATIVE-TREATED MATERIALS:

1. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA U1; USE CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND, USE CATEGORY UC3B FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND, AND USE CATEGORY UC4A FOR ITEMS IN CONTACT WITH GROUND.

2. PRESERVATIVE CHEMICALS: ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND CONTAINING NO ARSENIC OR CHROMIUM. DO NOT USE INORGANIC BORON (SBB) FOR SILL PLATES.]

3. KILN-DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL.

4. MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSO BOARD OF REVIEW.

DIMENSIONAL LUMBER

1. MAXIMUM MOISTURE CONTENT: 19 PERCENT

2. LUMBER: CONSTRUCTION OR NO. 2 GRADE.

WOOD-PLASTIC COMPOSITE LUMBER:

1. MANUFACTURER/PRODUCT: TREX.

2. COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD RANGE.

3. FASTENERS: TREX UNIVERSAL HIDEAWAY HIDDEN FASTENERS.

PLYWOOD

1. DOC PS 1, EXPOSURE 1, C-D PLUGGED IN THICKNESS INDICATED, OR, IF NOT INDICATED, NOT LESS THAN 5/8" NOMINAL THICKNESS.

FASTENERS

1. WHERE CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR PRESSURE-PRESERVATIVE TREATED, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A153/A

2. NAILS, BRADS, AND STAPLES: ASTM F 1667.

3. POWER-DRIVEN FASTENERS: NES-NER-272.

4. WOOD SCREWS: ASME B18.6.1.

5. SCREWS FOR FASTENING TO METAL FRAMING: ASTM C 954, EXCEPT WITH WAFER HEADS AND REAMER WINGS, LENGTH AS RECOMMENDED BY SCREW MANUFACTURER FOR MATERIAL BEING FASTENED.

6. LAG BOLTS: ASTM A 307.

7. STEEL BOLTS: ASTM A 307, GRADE A.

8. EXPANSION ANCHORS: ANCHOR BOLT AND SLEEVE ASSEMBLY WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 6 TIMES THE LOAD IMPOSED WHEN INSTALLED IN MASONRY ASSEMBLIES AND EQUAL TO 4 TIMES THE LOAD IMPOSED WHEN INSTALLED IN CONCRETE AS DETERMINED BY TESTING PER ASTM E 488 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AND INSPECTION AGENCY.

VERIFY ELEVATION AND ALIGNMENT OF ALL WORK. WHEN INFILLING EXISTING CONSTRUCTION, FIELD VERIFY AND MATCH EXISTING CONSTRUCTION. CAREFULLY SELECT MEMBERS. REJECT LUMBER WITH EXCESSIVE WARP, TWIST, BOW, OR WITH MILDEW, FUNGUS, OR MOLD. COORDINATE AND INSTALL WOOD BLOCKING AND BACKING REQUIRED FOR THE WORK OF OTHER TRADES, INCLUDING WALL CABINETS, CRASH RAILS, ETC. PROVIDE PENETRATION INTO PIECE RECEIVING POINT OF NOT LESS THAN 1/2 THE LENGTH OF THE NAIL OR SPIKE. FOR LAG SCREWS AND WOOD SCREWS, PRE-BORE HOLES.

WOOD-PLASTIC COMPOSITE LUMBER INSTALLATION: INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

074113 - ASPHALT SHINGLES

PROVIDE ASPHALT SHINGLES, UNDERLAYMENT, RANGE VENTS, ROOF VENTS ADD FLASHING AND TRIM AS SHOWN ON DRAWINGS, AS SPECIFIED AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace asphalt shingles that fail within specified warranty period.

1. Failures include, but are not limited to, the following:

1.1. Manufacturer defects

2. Material Warranty Period: 25 years from date of Substantial Completion.

B. GLASS-FIBER-REINFORCED ASPHALT SHINGLEST

1. Three-Tab-Strip Asphalt Shingles: ASTM D 3462/D 3462M, glass-fiber reinforced, mineral-granule surfaced and self-sealing; with tabs regularly space.

1.1. Product: CertainTeed Landmark or Equal.

1.2. Strip Size: Manufacturer's standard.

1.3. Color and Blends: As selected by Architect.

2. Ridge Shingles: Manufacturer's standard units to match asphalt shingles or site-fabricated units cut from asphalt-shingle strips. Trim each side of lapped portion of unit to taper approximately 1 inch.

C. UNDERLAYMENT MATERIALS

1. Self-Adhering Sheet Underlayment, Polyethylene Faced: ASTM D 1970/D 1970M, minimum of 40-mil- (1.0-mm-) thick, slip resisting, polyethylene-film-reinforced top surface laminated to SBS-modified asphalt adhesive, with release backing; cold applied.

2. ACCESSORIES

2.1. Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free.

2.2. Roofing Nails: ASTM F 1667, aluminum, stainless-steel, copper, or hot-dip galvanized-steel wire shingle nails, minimum 0.120-inch- (3-mm-) diameter, sharp-pointed, with a minimum 3/8-inch- (9.5-mm-) diameter flat head and of sufficient length to penetrate 1/2 inch (19 mm) into solid wood decking or extend at least 1/2 inch (3 mm) through OSB or plywood sheathing.

2.2.1. Shank: Barbed.

2.2.2. Where nails are in contact with metal flashing, use nails made from the same metal as flashing.

2.3. Underlayment Nails: Aluminum, stainless-steel, or hot-dip galvanized-steel wire with low-profile capped heads or disc caps, 1-inch (25-mm) minimum diameter.

2.4. Synthetic Underlayment Fasteners: As recommended in writing by synthetic-underlayment manufacturer for application indicated.

09 91 00 - PAINTING

PAINT AND FINISH EXPOSED SURFACES AS SPECIFIED, AND AS SHOWN ON FINISH SCHEDULE, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION. I

PAINT AND FINISHES ARE TO BE PRODUCTS OF SHERWIN WILLIAMS, PRATT & LAMBERT OR BENJAMIN MOORE. PAINTS AND FINISHES ARE TO BE PART OF A UNIFIED SYSTEM, OF A SINGLE MANUFACTURER TO ASSURE COMPATIBILITY, INCLUDING BARRIER COATS (WHERE REQUIRED) PRIMERS, FINISH AND THINNERS. PAINT SYSTEM SHALL INCLUDE PRIMER (EXCEPT ON PREFINISHED SURFACES) AND TWO FINISH COATS. TINT COLORS BETWEEN COATS TO ASSURE PROPER COVERAGE.

EXAMINE AREAS OF WORK AND CORRECT CONDITIONS DETRIMENTAL TO PROPER COMPLETION OF THE WORK. PREPARE SURFACES AND PREPARE PAINT MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. SURFACES TO BE PAINTED SHALL BE CLEAN, DRY, FREE FROM OIL, GREASE, OR OTHER DELETERIOUS SUBSTANCES.

PAINTING SCHEDULE - (BASED ON SHERWIN-WILLIAMS)

ON GALVANIZED METAL FABRICATIONS:

1. FIRST COAT: MACROPOXY PRIMER HE N

2. SECOND COAT: PRO INDUSTRIAL WATERBASED ACROLON 100

3. THIRD COAT: PRO INDUSTRIAL WATERBASED ACROLON 100

ON LUMBER TO BE STAINED:

1. FIRST COAT: SUPERDECK EXTERIOR OIL-BASED SEMI-TRANSPARENT WOOD STAIN



111 Front Street  
Berea, OH 44017  
CPLteam.com

PROJECT INFORMATION

Project Number: MPA.00049.00

Client Name: CITY OF ELYRIA

PARKS AND RECREATION

Project Name: POCKET PARK DEVELOPMENT

Project Address: WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

PROJECT ISSUE & REVISION SCHEDULE

1. 10/17/2024 OWNER REVIEW  
2. 10/20/2024 REVISION

PROFESSIONAL STAMPS



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Expiration Date 12/31/2025

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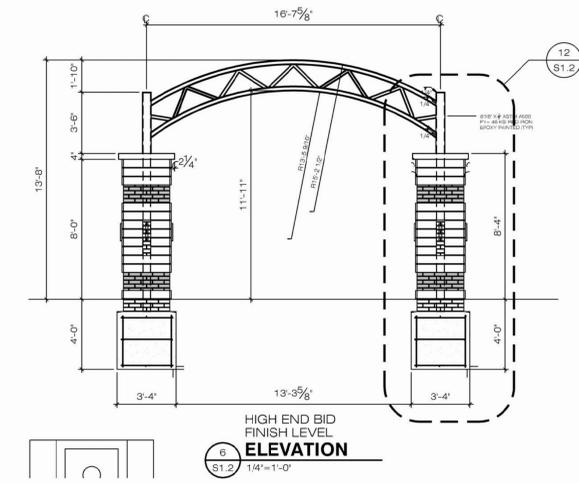
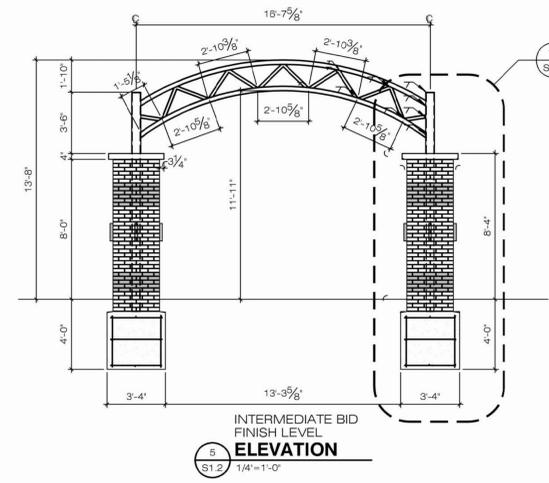
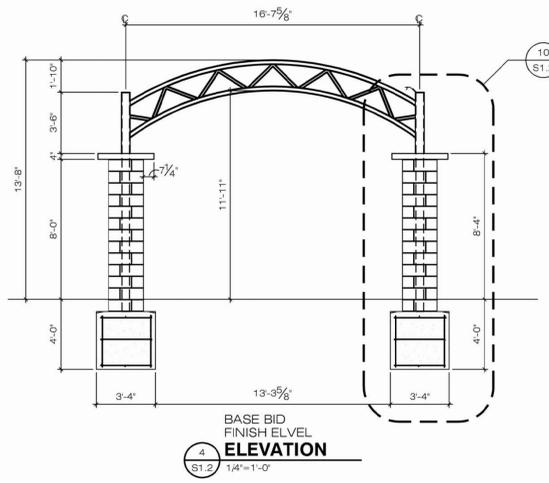
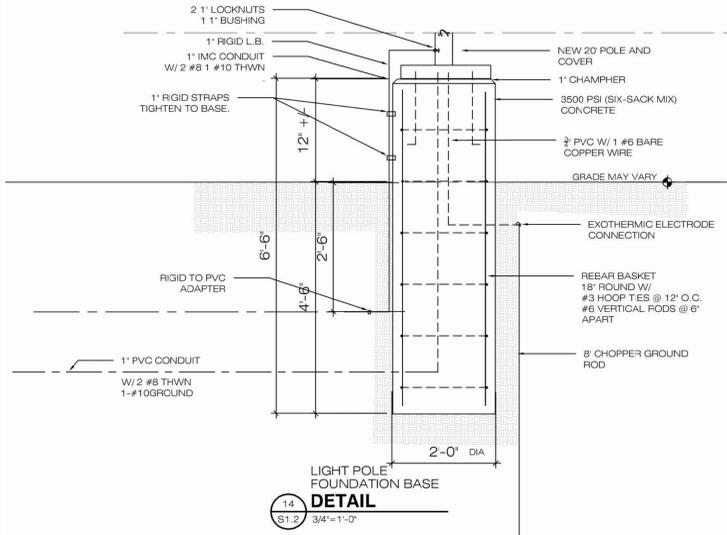
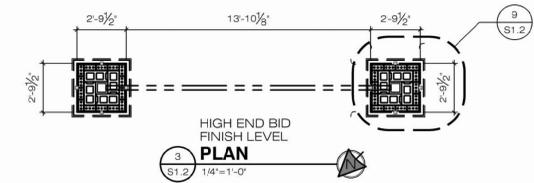
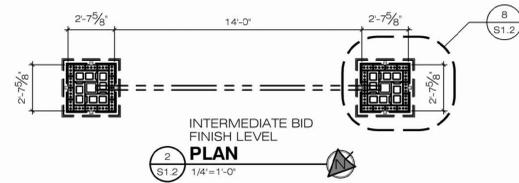
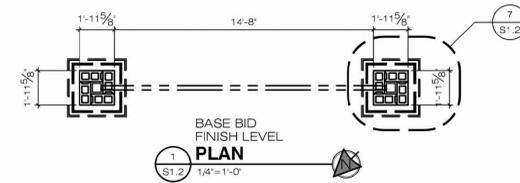
Date: 12/20/2024 Scale: As indicated

Project Status: CD's

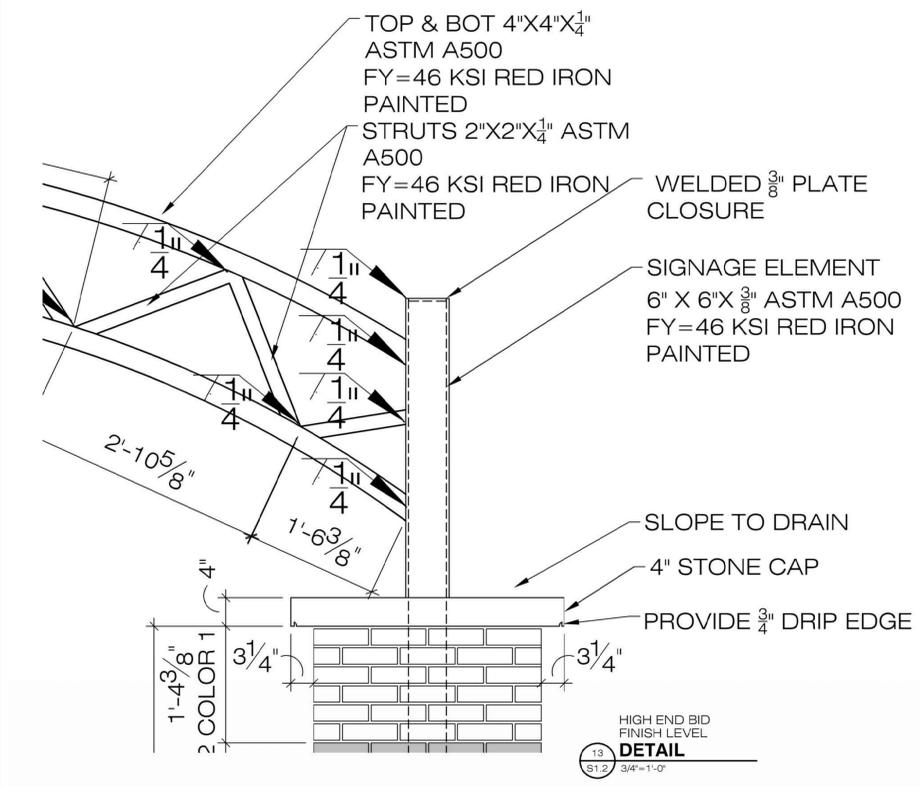
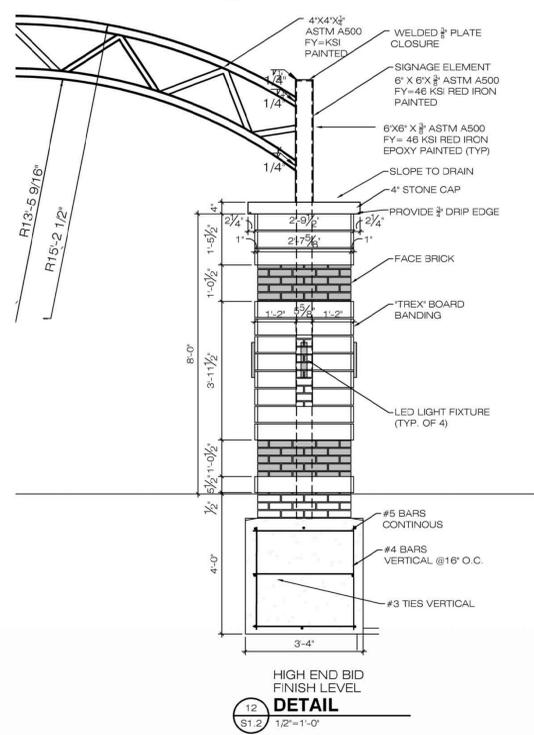
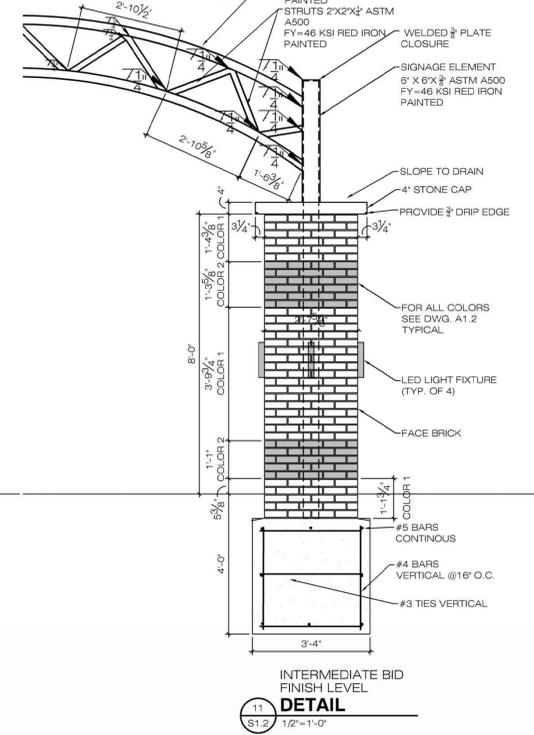
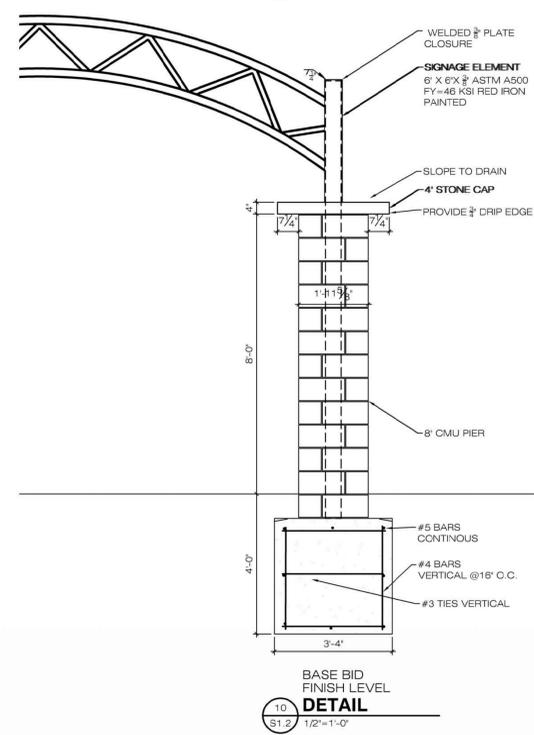
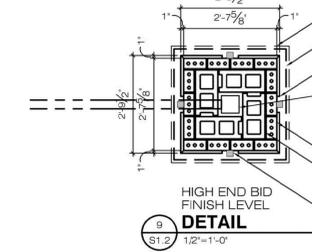
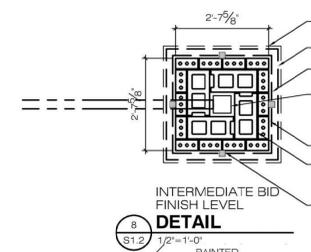
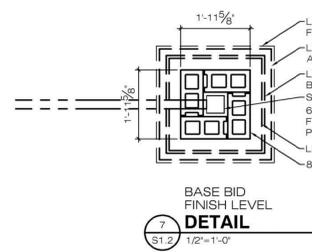
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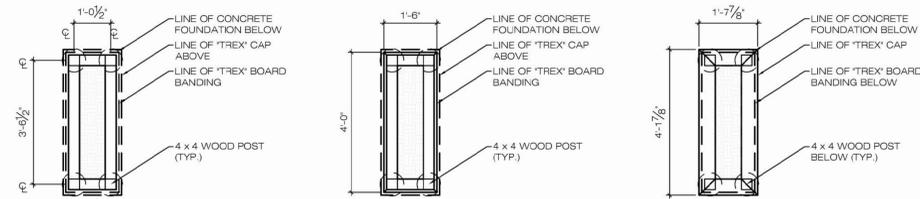
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Drawing Number: -

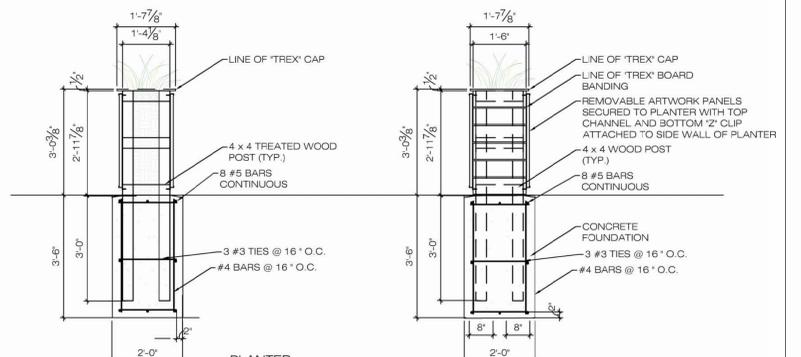


- CONCRETE CONSTRUCTION NOTES:**
- CONTRACTOR OPTION TO USE "GATOR BAR" A FIBRE- REINFORCED POLYMER MATERIAL. A 3/8" NO. 3 BAR CAN REPLACE A NO. 4 STEEL BAR IN STRENGTH.
  - ALL CONCRETE IS TO BE 6 SACK 3750 PSI CONCRETE MIXTURE.

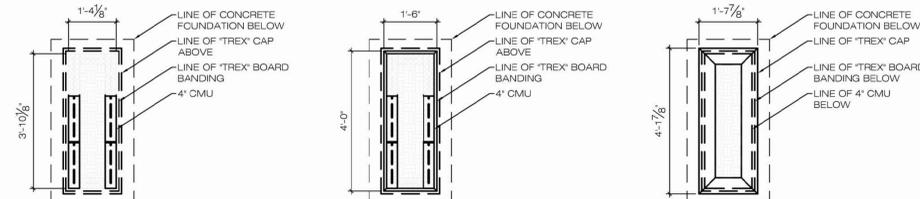




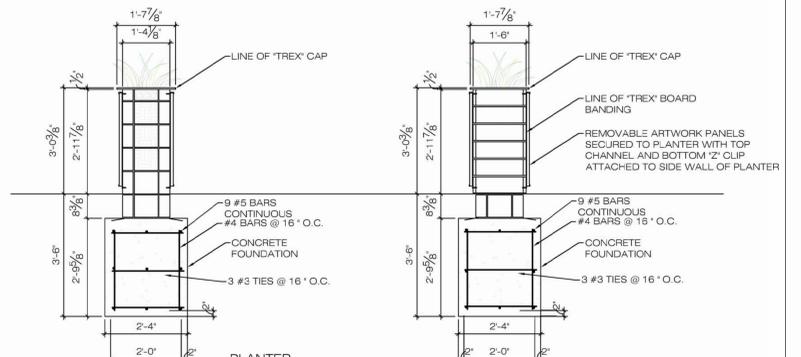
**1 PLAN (OPTION 1)**  
A1.3 1/2"=1'-0"



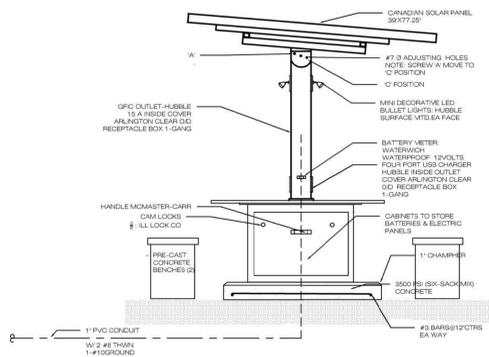
**3 TYP. FDN. (OPTION 1)**  
A1.3 1/2"=1'-0"



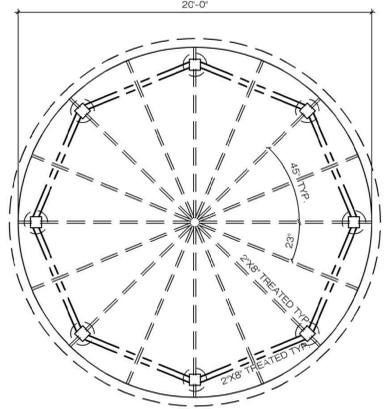
**2 PLAN (OPTION 2)**  
A1.3 1/2"=1'-0"



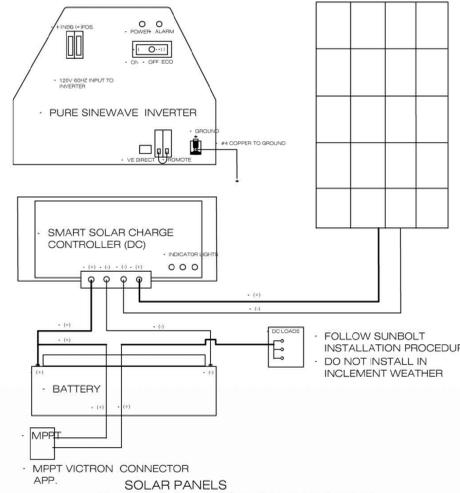
**4 ELEVATION (OPTION 2)**  
A1.3 1/2"=1'-0"



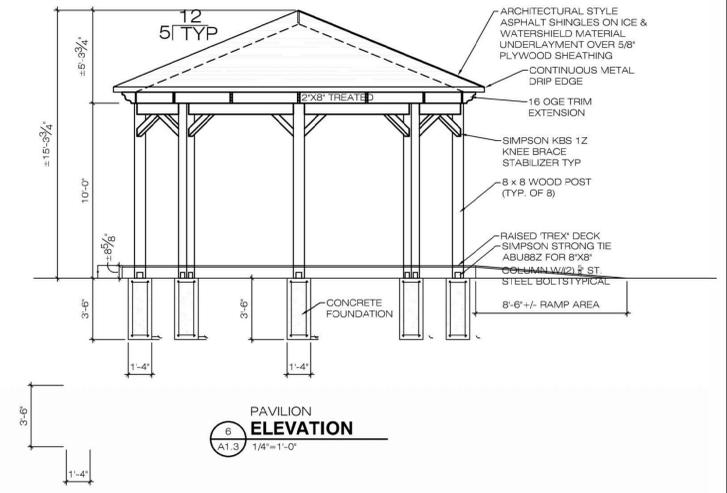
**7 SOLAR PANELS SUNBOLT VELOCITY ELEVATION**  
A1.3 1/2"=1'-0"



**5 PAVILION PLAN**  
A1.3 1/4"=1'-0"



**8 DC CONNECTION DIAGRAM**  
A1.3 1/2"=1'-0"



**6 PAVILION ELEVATION**  
A1.3 1/4"=1'-0"



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**CONSTRUCTION PLAN NOTES**

- THE CITY HAS PRE-PURCHASED SOME ITEMS TO BE USED ON THIS PROJECT.
  - THREE SOLAR STATION TABLES SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
  - HYDRATION CENTER SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
  - BIKE RACK AND BIKE FIX-IT STATION SUPPLIED BY CITY / INSTALLED BY GENERAL CONTRACTOR.
- LANDSCAPE PLANTERS TO BE BY THE GENERAL CONTRACTOR.
  - CITY WILL DO ARTWORK DISPLAYS ON THE PLANTERS (WOULD LIKE TO BE ABLE TO SLIDE IN AND OUT IN ORDER TO CHANGE WHAT IS DISPLAYED AT DIFFERENT EVENTS)
- LIGHT POLES - TO BE BID AS AN ALTERNATE.
  - NEED POWER FOR FOOD TRUCKS AND FOR PAVILION.
  - INCLUDE MONUMENT POST FOR FOOD TRUCK TIE-IN.
  - NEED TO BE ABLE TO TURN POWER ON AND OFF (LOCK BOX) POSSIBLY PLACE POWER LOCATION BEHIND COLUMNS OF THE ARCH
- THE CITY IS LOOKING TO GET A GRANT FOR:
  - TWO SWINGS
  - ARCHWAY
    - PUT FOOTERS FOR THE ARCHWAY IN THE BASE BID.
    - COLUMNS (PIERS) AND THE ARCHWAY SHOULD BE BID AS AN ALTERNATE.
- INCLUDE AN ELEMENT WITH NATURAL SOUND OF WATER
  - SMALL WATER ELEMENT AND SENSORY PLANTINGS.
- GIANT CHESS BOARD TO BE PAINTED ON CONCRETE.
- SWINGS TO BE OF UNIVERSAL SIZE SO EVERYONE CAN USE.
- THE CITY MAY WANT CAMERAS ON THE GAZEBO.
- NEED REMOVEABLE BOLLARDS AT THE FOOD TRUCK AREA TO CLOSE OFF WHEN TRUCKS ARE NOT THERE.
- ELECTRICAL WIRING TO BE THWN COPPER WIRE SIZE SHOWN.
- BELOW GRADE WATER LINE IS TO BE RUN AND KEPT TO 3' PLUS OF GROUND COVER EXCEPT A UTILITY BOX THAT CONTAINS BACKFLOW PREVENTER AND SHUT OFF BALL VALVE TO THE DRINKING FOUNTAIN.
- WATER SHUT OFF AT THE STREET IS TO BE DONE IN ACCORDANCE WITH THE CITY OF ELYRIA WATER DEPARTMENT STANDARDS AND ORDINANCES. VALVE AND ACCESS SLEEVE TO BE PROVIDED IN THE CITY TREE LAWN AS SHOWN ON THE DRAWING. BRASS COVER IS TO HAVE THE LETTER W CAST INTO IT.
- FOUNDATIONS FOR THE BOLLARDS, LIGHT POLES AND FOOD TRUCK POWER STANDS ARE TO BE SIMILAR TO THE DETAIL LOCATED ON DWG. S1.2.

**PROJECT INFORMATION**

Project Number: MPA.00049.00  
Client Name: CITY OF ELYRIA  
Project Name: PARKS AND RECREATION  
POCKET PARK DEVELOPMENT

Project Address: WEST AVENUE AND 15TH STREET  
1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

NO.	DATE	ISSUE / REVISION
1	10/10/2024	OWNER REVIEW
2	10/20/2024	REVISION #1
3	01/05/2025	ADDITIONAL #1



VICTOR P. KREVINKO  
OHIO REG. NO. 11512  
EXPIRATION 12-31-25

**PROFESSIONAL STAMPS**

**SHEET INFORMATION**

Name: 12/20/2024  
Scale: As Indicated  
Project Status: PROGRESS / OWNER REVIEW  
Drawn By: CPL VPK  
Checked By: CPL  
Drawing Title: SITE UTILITIES

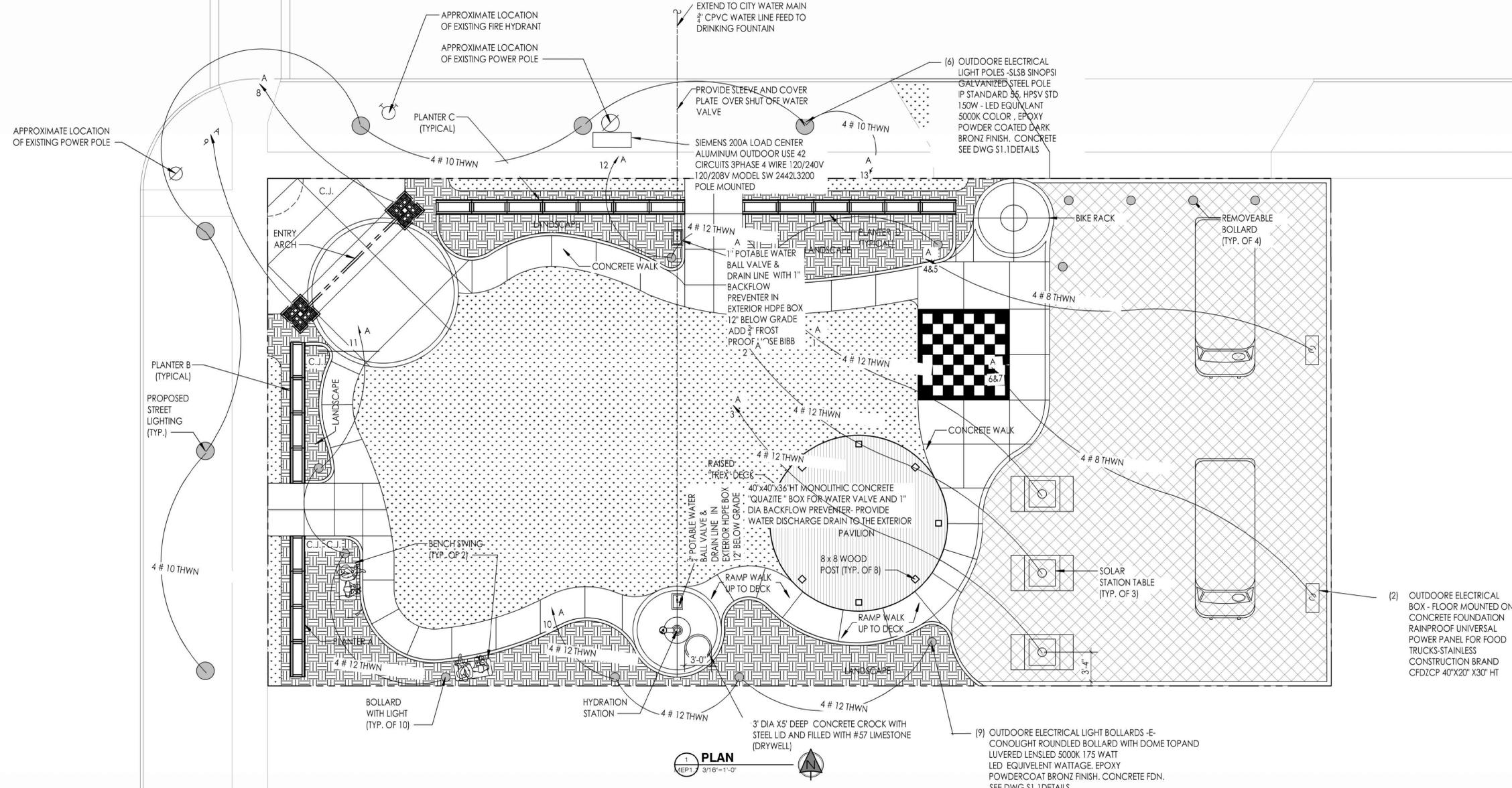
Drawing Number

MEP1.1

STREET MURAL

15th STREET

WEST AVENUE



**PLAN**  
MEP1 3/16"=1'-0"

(2) OUTDOORE ELECTRICAL BOX - FLOOR MOUNTED ON CONCRETE FOUNDATION RAINPROOF UNIVERSAL POWER PANEL FOR FOOD TRUCKS-STAINLESS CONSTRUCTION BRAND CFDZCP 40"X20" X30" HT

(9) OUTDOORE ELECTRICAL LIGHT BOLLARDS - E-COULIGHT ROUNDED BOLLARD WITH DOME TOP AND LIVERED LENSED 5000K 175 WATT LED EQUIVALENT WATTAGE. EPOXY POWDERCOAT BRONZ FINISH. CONCRETE FDN. SEE DWG S1.1 DETAILS

PREPARED BY:



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**PROJECT INFORMATION**

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PARKS AND RECREATION  
Project Name: POCKET PARK DEVELOPMENT

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1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

1	08/02/24	PROJECT OWNER REVIEW
2	10/20/24	FINAL REVISION
3	01/10/25	ADMIN EXAM #1

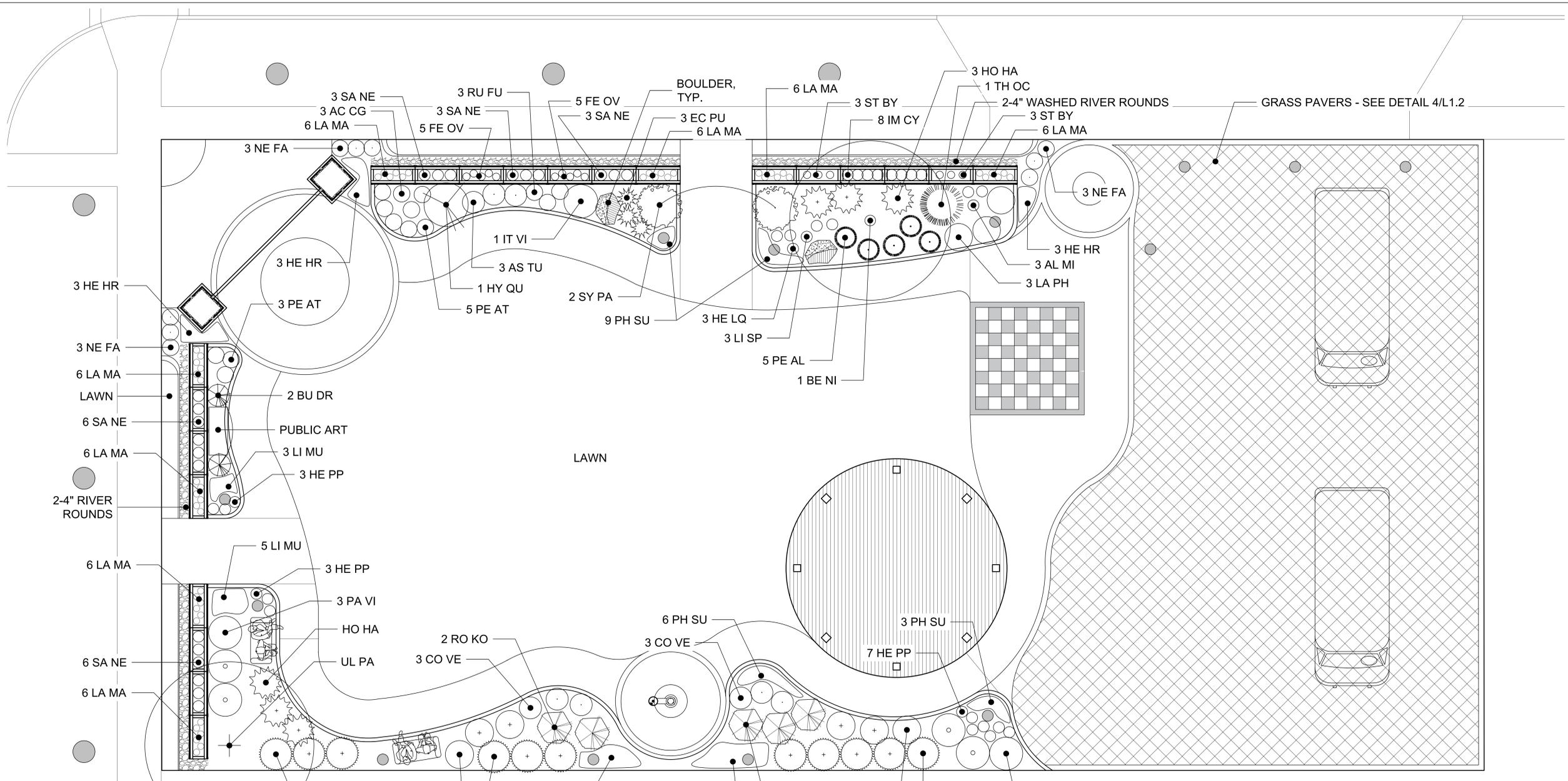
**PROFESSIONAL STAMPS**



**SHEET INFORMATION**

Date: 01/10/2025  
Scale: As indicated  
Project Status: CDs  
Drawn By: CAM  
Checked By: CPL  
Drawing Title: LANDSCAPE PLAN

Drawing Number



**LANDSCAPE PLAN**

1/4" = 1'-0"



**LANDSCAPE NOTES**

- ALL WORK TO BE IN ACCORDANCE WITH THE ACCEPTED PRACTICES OF THE AMERICAN ASSOCIATION OF LANDSCAPE CONTRACTORS
- PRIOR TO INSTALLATION, INSPECT THE GENERAL SITE CONDITIONS AND VERIFY THE SUBGRADE, ELEVATIONS, UTILITY LOCATIONS, AND TOPSOIL. NOTIFY THE GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS. WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED.
- CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO ONSET OF WORK AND COORDINATE ACCORDINGLY WITH APPROPRIATE UTILITIES DEPARTMENTS. DO NOT INSTALL TREES WITHIN 4' OF BURIED UTILITY LINES. RELOCATE PLANT MATERIAL SLIGHTLY IF NECESSARY. IN THE CASE OF A CONFLICT, NOTIFY LANDSCAPE ARCHITECT.
- DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT AVAILABLE, CONTACT THE LANDSCAPE ARCHITECT FOR ACCEPTABLE ALTERNATIVE.
- ALL PLANT MATERIAL MUST BE FROM NURSERY SOURCE WITH A HARDINESS ZONE SIMILAR TO THAT OF THE PROJECT SITE. PLANTS SHALL BE TRUE TO GENUS AND SPECIES AS INDICATED ON THE PLANS, COMPLYING WITH ANSI Z60.1 FOR THE TYPES AND FORM OF PLANS REQUIRED.
- ALL PLANTING BEDS TO RECEIVE 6" DEPTH PLANTING MIX AFTER FINAL GRADE IS ESTABLISHED. ALL SEEDED AREAS TO RECEIVE CLEAN FINE GRADED TOPSOIL, FREE OF ALL ROCKS AND DELETERIOUS DEBRIS. SHRUB AND PERENNIAL PLANTING PITS SHALL RECEIVE PLANTING MIX PER DETAILS. THIS SHEET.
- PROVIDE SHREDDED HARDWOOD MULCH 3" DEEP AT ALL PLANTING BEDS. TAKING CARE TO KEEP MULCH AWAY FROM CROWNS AND ROOT FLARES OF ALL PLANTS. CONTRACTOR SHALL SUBMIT MULCH SAMPLES TO OWNER FOR APPROVAL PRIOR TO ORDERING. CONTRACTOR TO APPLY STARTER FERTILIZER PER SPECIFICATIONS OR APPROVED SIMILAR FOR ALL LAWN AND PLANTING BEDS.
- FINAL GRADES SHALL BE SMOOTH AND EVEN. PLACEMENT OF PLANTING MATERIALS SHALL NOT AFFECT THE INTENDED DRAINAGE PATTERN OF THE FINAL GRADING PLAN. THIS MAY INCLUDE NOT PLACING PLANT MATERIALS IN SWALES OR CREATING MOUNDS THAT BLOCK THE INTENDED SURFACE DRAINAGE PATTERN. GRADES SHALL SLOPE A MINIMUM OF 2% AWAY FROM STRUCTURES UNLESS OTHERWISE NOTED.
- PROVIDE 4" DEEP SPADE-CUT "V" TRENCH ALONG BED EDGES UNLESS ADJACENT TO PAVEMENT.
- ALL MATERIALS TESTING SHALL BE THE SOLE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO PROPERLY WATER PLANT MATERIALS IMMEDIATELY UPON PLANTING.
- PLANT LIST IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PLANT QUANTITIES AND PROVIDING PLANT MATERIAL AS SHOWN ON PLANS.
- CONTRACTOR TO SEED ALL DISTURBED AREAS INCLUDING ADJACENT EXISTING LAWN AREAS THAT ARE IN DISREPAIR. DO NOT BEGIN UNTIL AREA HAS RECEIVED TOPSOIL AND IS AT FINISHED GRADE. SEEDING WORK SHALL RESULT IN A HEALTHY LAWN FREE OF WEEDS. GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED, OR APPROVED EQUAL, NOT LESS THAN 95 PERCENT GERMINATION, NOT LESS THAN 95 PERCENT PURE SEED, AND NOT MORE THAN 0.5 PERCENT WEED SEED. SEED SHALL BE PREMIUM QUALITY MIX WITH QUICK GERMINATION RATE OF 50% BLENDED BLUEGRASS 25% CREEPING RED FESCUE 25% PERENNIAL RYE OR APPROVED EQUAL. APPLY AT A RATE OF 5 LBS./1000 SF.

**PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	NOTES/ SPACING	QTY
<b>TREES</b>						
BE NI	BETULA NIGRA 'HERITAGE'	RIVER BIRCH	8' HT.	B&B	MULTI-STEM	1
UL PA	ULMUS PARVIFOLIA	LACEBARK ELM	2" CAL.	B&B	FULL MATCHING HEADS	1
<b>SHRUBS</b>						
BU DR	BUXUS SEMPERVIRENS 'DEE RUNK'	DEE RUNK BOXWOOD	48" HT.	B&B		2
HY QU	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	RUBY SLIPPERS OAKLEAF HYDRANGEA	18" HT.	NO. 5 CONT.	48" O.C.	1
IL GL	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	36" HT.	B&B	60" O.C.	11
IT VI	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPICE	24" HT.	NO. 3 CONT.	36" O.C.	1
RO KO	ROSA 'RED KNOCK OUT'	RED KNOCK OUT ROSE	18" HT.	NO. 3 CONT.	36" O.C.	5
SP JA	SPIRAEA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS JAPANESE SPIRAEA	12" HT.	NO. 3 CONT.	30" O.C.	6
SY PA	SYRINGA PATULA 'MISS KIM'	MISS KIM LILAC	30" HT.	B&B	60" O.C.	2
TH OC	THUJA OCCIDENTALIS 'CONGARE'	FIRE CHIEF ARBORVITAE	24" HT.	B&B		1
<b>PERENNIALS AND GRASSES</b>						
AC CG	ACHILLEA 'CORONATION GOLD'	CORONATION GOLD YARROW	CLUMP	NO. 2 CONT.	18" O.C.	3
AL MI	ALLIUM 'MILLENIUM'	MILLENIUM ORNAMENTAL ONION	CLUMP	NO. 2 CONT.	18" O.C.	3
AS TU	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	CLUMP	NO. 2 CONT.	15" O.C.	3
CO VE	COREOPSIS VERTICILLATA 'MOONBEAM'	MOONBEAM TICKSEED	CLUMP	NO. 2 CONT.	18" O.C.	6
EC PU	ECHINACEA 'PAS 702917'	POWOW WILD BERRY CONEFLOWER	CLUMP	NO. 2 CONT.	24" O.C.	3
FE OV	FESTUCA OVINA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	CLUMP	8" SQUAT.	15" O.C.	10
HE LO	HELIANTHUS 'LEMON QUEEN'	LEMON QUEEN SUNFLOWER	CLUMP	NO. 3 CONT.		3
HE HR	HEMEROCALLIS 'HAPPY RETURNS'	DAYLILY	CLUMP	NO. 1 CONT.	24" O.C.	9
HE PP	HEUCHERA x 'PLUM PUDDING'	PLUM PUDDING CORAL BELLS	CLUMP	NO. 2 CONT.	18" O.C.	16
HO HA	HOSTA 'HALCYON'	HALCYON HOSTA	CLUMP	NO. 2 CONT.	30" O.C.	3
IM CY	IMPERATA CYLINDRICA 'RED BARON'	JAPANESE BLOOD GRASS	CLUMP	SQUAT CONT.	30" O.C.	8
LA MA	LAMIMUM MACULATUM 'ORCHID FROST'	ORCHID FROST LAMIMUM	CLUMP	NO. 1 CONT.	12" O.C.	48
LA PH	LAVANDULA x 'INTERMEDIA 'PHENOMENAL'	PHENOMENAL NIKO LAVENDER	CLUMP	NO. 2 CONT.	30" O.C.	3
LI SP	LIATRIS SPICATA	BLAZING STAR	CLUMP	NO. 2 CONT.	24" O.C.	3
LI MU	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILY TURF	CLUMP	NO. 2 CONT.	18" O.C.	21
NE FA	NEPETA x FAASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	CLUMP	NO. 2 CONT.	30" O.C.	9
PA VI	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	CLUMP	NO. 2 CONT.	30" O.C.	3
PE AL	PENNISETUM ALOPECUROIDES 'HAMEL'	DWARF FOUNTAIN GRASS	CLUMP	NO. 2 CONT.	24" O.C.	5
PE AT	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	CLUMP	NO. 2 CONT.	24" O.C.	8
PH SU	PHLOX SUBULATA 'EMERALD BLUE'	EMERALD BLUE MOSS PHLOX	8" SQUAT	CONT.	12" O.C.	18
RU FU	RUBRIBECKIA FULGIDA GOLDSTURM	BLACK EYED SUSAN	CLUMP	NO. 2 CONT.	24" O.C.	3
SA NE	SALVIA NEMEROSA 'MAY NIGHT'	MAY NIGHT MEADOW SAGE	CLUMP	NO. 2 CONT.	24" O.C.	21
ST BY	STACHYS BYZANTINA HELENE von STEIN	LAMB'S EAR	CLUMP	NO. 2 CONT.	18" O.C.	6

PREPARED BY:



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**PROJECT INFORMATION**

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POCKET PARK DEVELOPMENT

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1504 WEST AVENUE ELYRIA, OHIO 44035

**PROJECT ISSUE & REVISION SCHEDULE**

NO.	DATE	REVISION
1	08/02/24	PROJECT OWNER REVIEW
2	10/02/24	FINAL DESIGN
3	01/10/25	ADD-EXAM #1

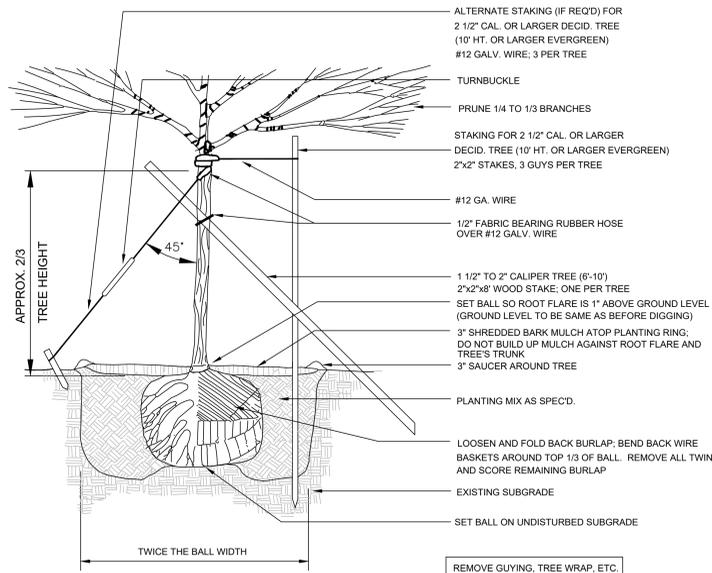
**PROFESSIONAL STAMPS**



**SHEET INFORMATION**

Issue: 01/10/2025  
Scale: As indicated  
Project Status: CD  
Drawn By: CAM  
Checked By: CPL  
Drawing Title: LANDSCAPE DETAILS

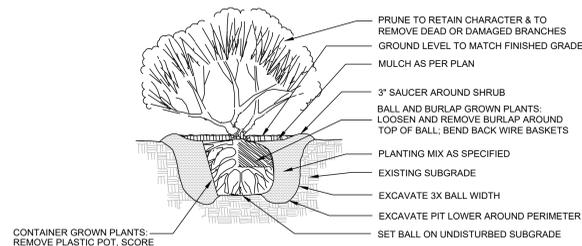
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**TREE PLANTING DETAIL**

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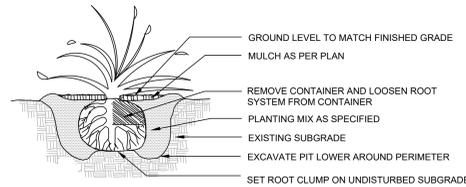
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L1.2



**SHRUB PLANTING DETAIL**

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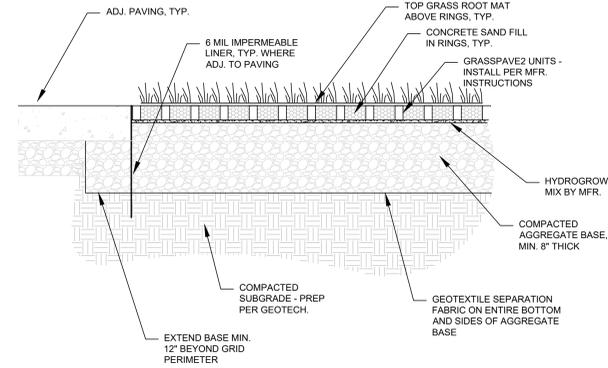
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**PERENNIAL PLANTING DETAIL**

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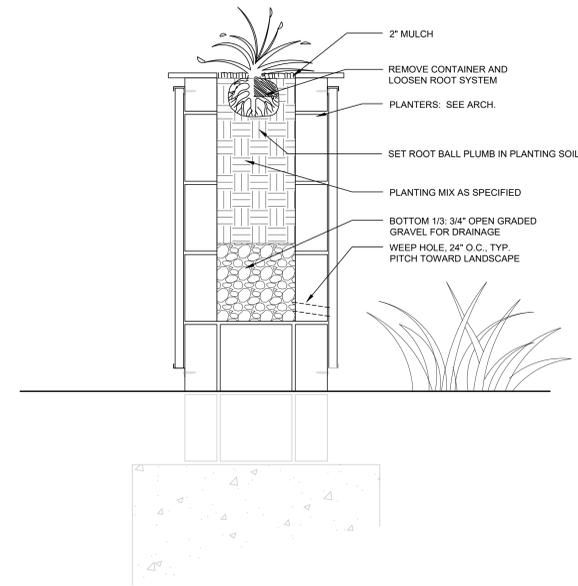
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**GRASS PAVERS DETAIL**

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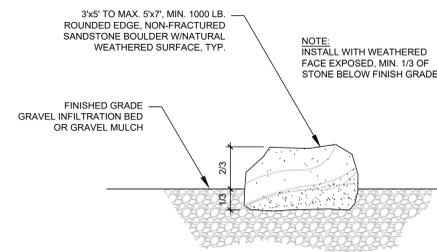
4  
L1.2



**PLANTING DETAIL - IN PLANTERS**

NTS

5  
L1.2



**BOULDER DETAIL**

NTS

6  
L1.2

NOT USED

**BUBBLER DETAIL**

NTS

5  
L1.2