

LOCATION MAP

SCALE: not to scale

LANDSCAPE ARCHITECT:



IL License 060-007797



CIVIL ENGINEER & SURVEYOR Engineering Resource Associates 3s701 West Avenue, Suite 150 Warrenville, Illinois 60555 IL License 184-001186



IRRIGATION
FRS Design Group LLC
167 S. Lexington Street, P. O. Box 748
Spring Green, Wisconsin 53588

Central Park Phase II Development

1315 Kensington Rd, Oak Brook, Illinois 60523

Oak Brook Park District

1450 For Oak Broo

1450 Forest Gate Rd,Oak Brook, Illinois 60523

Partially Funded by Illinois Department of Natural Resources OSLAD Grant No. OS 22-2213

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Construction Details

Construction Details

Construction Details

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Electrical Plan - Shelter / Amphitheater

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Call Before You Dig

ILLINOIS ONE-CALL SYSTEM

800.892.0123

This project has been prepared by and reviewed by Licensed Landscape Architects Michelle A. Kelly # 157.001002
Heath A. Wright # 157.000994
Maria Blood # 157.001511

REVISIONS

MB/EM | ISSUE FOR PERMIT | 240CT2022

ORIGINAL ISSUE DATE

ISSUED FOR PERMIT | 240CT2022

PROJECT NUMBER **1040**

PROJECT NAME

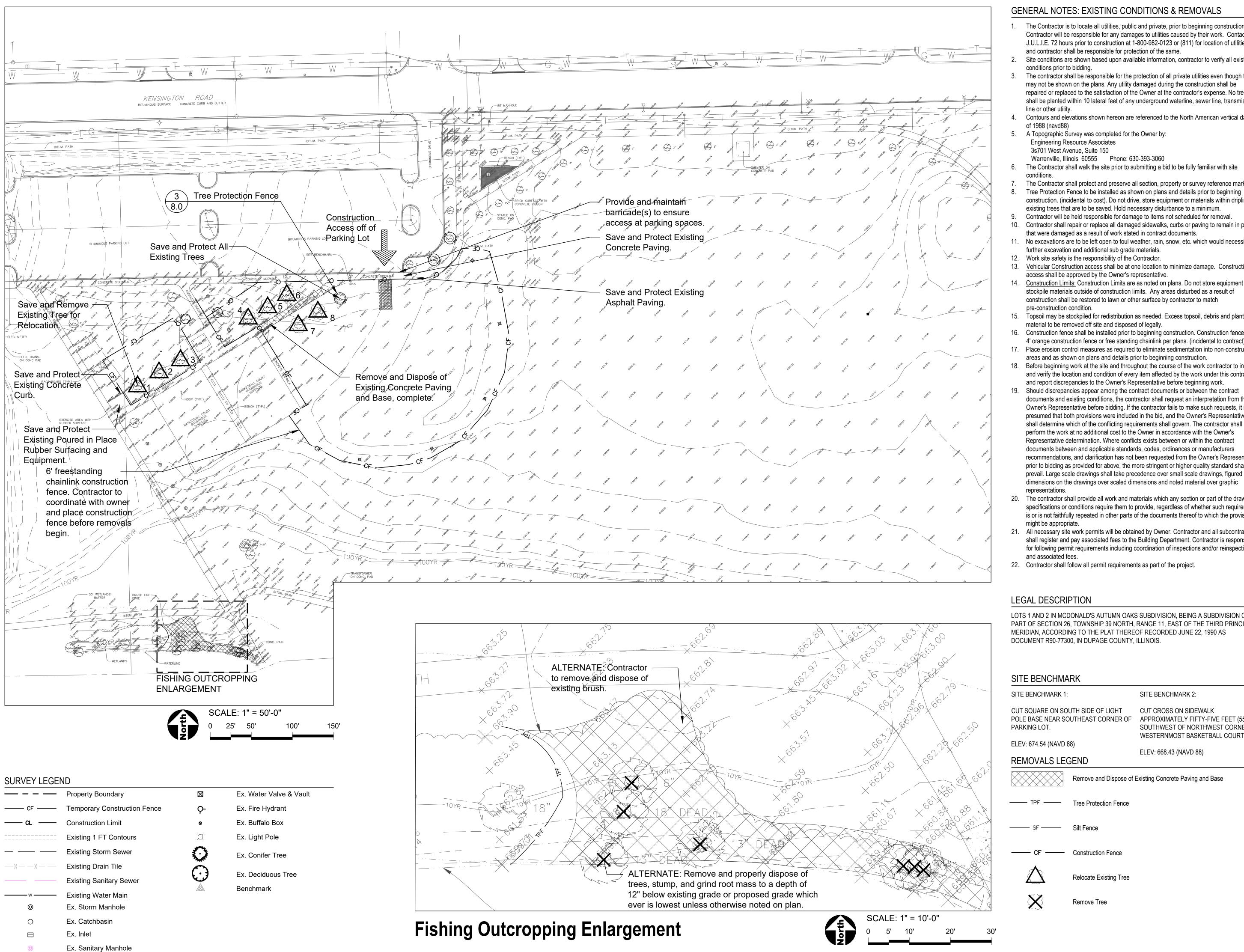
| Central Park | Phase II | Development

SHEET TITLE

Title Sheet

SHEET NUMBER

0.0



GENERAL NOTES: EXISTING CONDITIONS & REMOVALS

- The Contractor is to locate all utilities, public and private, prior to beginning construction. Contractor will be responsible for any damages to utilities caused by their work. Contact J.U.L.I.E. 72 hours prior to construction at 1-800-982-0123 or (811) for location of utilities and contractor shall be responsible for protection of the same.
- Site conditions are shown based upon available information, contractor to verify all existing conditions prior to bidding.
- The contractor shall be responsible for the protection of all private utilities even though they may not be shown on the plans. Any utility damaged during the construction shall be repaired or replaced to the satisfaction of the Owner at the contractor's expense. No tree shall be planted within 10 lateral feet of any underground waterline, sewer line, transmission
- Contours and elevations shown hereon are referenced to the North American vertical datum
- A Topographic Survey was completed for the Owner by:
- Engineering Resource Associates 3s701 West Avenue, Suite 150
- Warrenville, Illinois 60555 Phone: 630-393-3060 The Contractor shall walk the site prior to submitting a bid to be fully familiar with site
- The Contractor shall protect and preserve all section, property or survey reference markers.
- construction. (incidental to cost). Do not drive, store equipment or materials within dripline of existing trees that are to be saved. Hold necessary disturbance to a minimum. Contractor will be held responsible for damage to items not scheduled for removal.
- 10. Contractor shall repair or replace all damaged sidewalks, curbs or paving to remain in place that were damaged as a result of work stated in contract documents.
- 11. No excavations are to be left open to foul weather, rain, snow, etc. which would necessitate
- further excavation and additional sub grade materials.
- Vehicular Construction access shall be at one location to minimize damage. Construction
- 14. <u>Construction Limits:</u> Construction Limits are as noted on plans. Do not store equipment or stockpile materials outside of construction limits. Any areas disturbed as a result of construction shall be restored to lawn or other surface by contractor to match
- Topsoil may be stockpiled for redistribution as needed. Excess topsoil, debris and plant material to be removed off site and disposed of legally.
- Construction fence shall be installed prior to beginning construction. Construction fence to b 4' orange construction fence or free standing chainlink per plans. (incidental to contract).
- Place erosion control measures as required to eliminate sedimentation into non-construction areas and as shown on plans and details prior to beginning construction.
- Before beginning work at the site and throughout the course of the work contractor to inspect and verify the location and condition of every item affected by the work under this contract
- Should discrepancies appear among the contract documents or between the contract documents and existing conditions, the contractor shall request an interpretation from the Owner's Representative before bidding. If the contractor fails to make such requests, it is presumed that both provisions were included in the bid, and the Owner's Representative shall determine which of the conflicting requirements shall govern. The contractor shall perform the work at no additional cost to the Owner in accordance with the Owner's Representative determination. Where conflicts exists between or within the contract documents between and applicable standards, codes, ordinances or manufacturers recommendations, and clarification has not been requested from the Owner's Representative prior to bidding as provided for above, the more stringent or higher quality standard shall prevail. Large scale drawings shall take precedence over small scale drawings, figured dimensions on the drawings over scaled dimensions and noted material over graphic
- The contractor shall provide all work and materials which any section or part of the drawings, specifications or conditions require them to provide, regardless of whether such requirement is or is not faithfully repeated in other parts of the documents thereof to which the provisions
- All necessary site work permits will be obtained by Owner. Contractor and all subcontractors shall register and pay associated fees to the Building Department. Contractor is responsible for following permit requirements including coordination of inspections and/or reinspections
- 22. Contractor shall follow all permit requirements as part of the project.

LOTS 1 AND 2 IN MCDONALD'S AUTUMN OAKS SUBDIVISION, BEING A SUBDIVISION OF PART OF SECTION 26, TOWNSHIP 39 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 22, 1990 AS DOCUMENT R90-77300, IN DUPAGE COUNTY, ILLINOIS.

SITE BENCHMARK 2:

CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE NEAR SOUTHEAST CORNER OF **CUT CROSS ON SIDEWALK** SOUTHWEST OF NORTHWEST CORNER OF WESTERNMOST BASKETBALL COURT.

ELEV: 668.43 (NAVD 88)

Remove and Dispose of Existing Concrete Paving and Base

Relocate Existing Tree

Remove Tree



1450 Forest Gate Rd, Oak Brook, Illinois 60523 Phone: 630-990-4233

PROJECT

Central Park Phase II

1315 Kennsington Rd, Oak Brook, Illinois 60523

PROJECT TEAM



uplandDesign Itd

Landscape Architecture & Park Planning Chicago, Illinois 312-350-4088 Plainfield, Illinois 815-254-0091 uplandDesign.com

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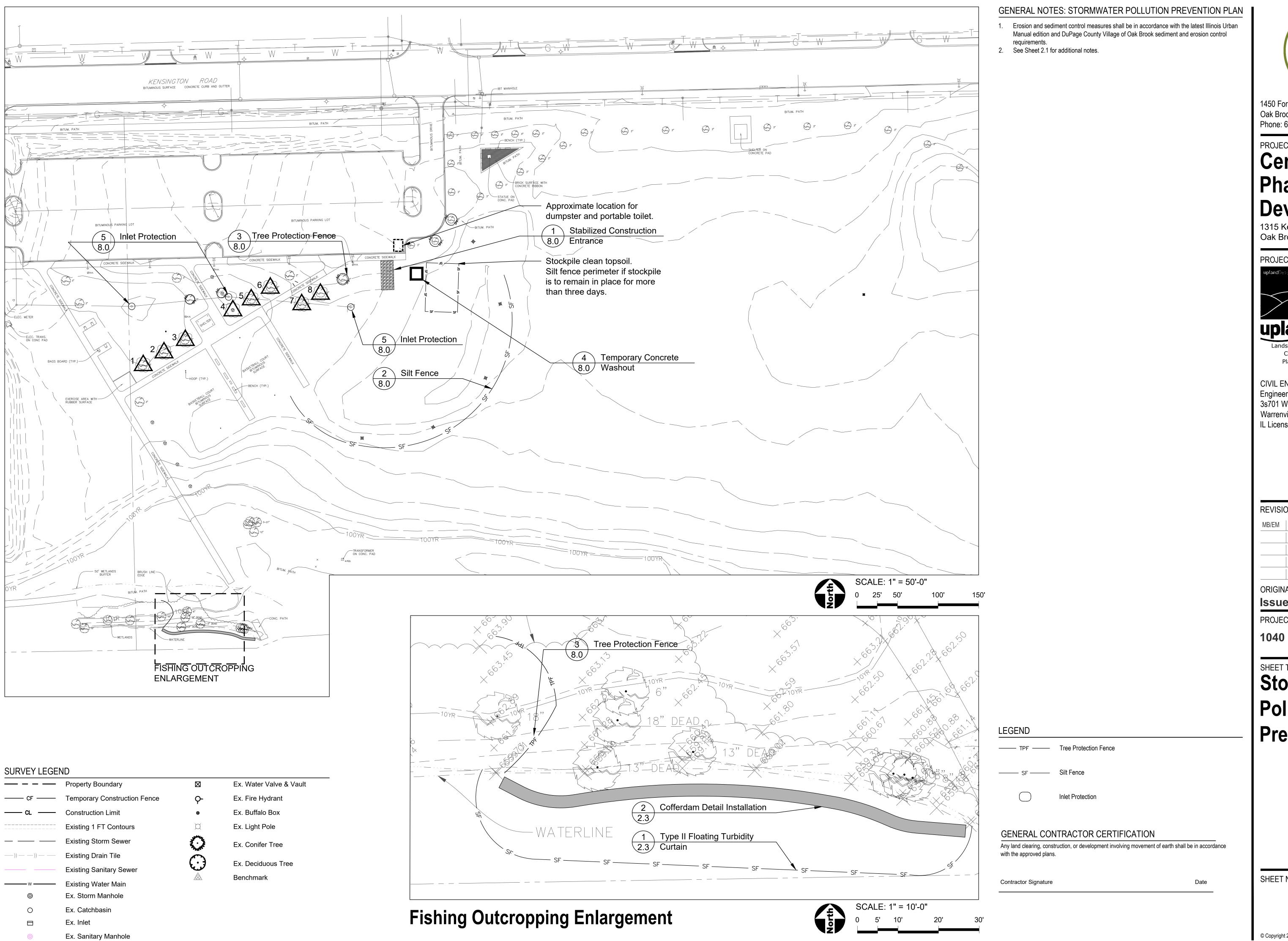
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SHEET TITLE **Existing**

Conditions & Removals Plan

SHEET NUMBER



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SHEET TITLE **Stormwater Pollution Prevention Plan**

SHEET NUMBER

STORMWATER POLLUTION PREVENTION PLAN

A. REFERENCED SPECIFICATIONS

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
- * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST
- EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- * VILLAGE OF OAK BROOK MUNICIPAL CODE;
- * EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST ILLINOIS URBAN MANUAL EDITION AND DUPAGE COUNTY VILLAGE OF OAK BROOK SEDIMENT AND EROSION CONTROL REQUIREMENTS;
- * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- 1. THE VILLAGE OF OAK BROOK ENGINEERING DEPARTMENT AND PUBLIC WORKS MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- 2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- 1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 2. THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- 3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- 5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- 6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS
 OF THE MUNICIPALITY AND OWNER.
- 8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- 9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- 10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. STORM SEWER

- 1. ALL MATERIAL SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
- 2. REINFORCED CONCRETE PIPING WITH "O" RING JOINTS.
- 3. ALL STORM STRUCTURES SHALL BE PRECAST REINFORCED CONCRETE ONLY.
- 4. ALL STORM STRUCTURES SHALL HAVE NO MORE THAN TWO ADJUSTING RINGS WITH A MINIMUM OF FOUR INCHES (4") AND A MAXIMUM OF TWELVE INCHES (12") OF ADJUSTING RINGS.
- 5. ALL CASTINGS SHALL BE SET ON A BITUMASTIC MATERIAL.
- 6. ALL LIFTING HOLES, JOINTS BETWEEN PRECAST REINFORCED CONCRETE SECTIONS, GAPS BETWEEN PIPES AND STRUCTURES SHALL BE TUCKPOINTED WITH HYDRAULIC CEMENT.
- 7. BITUMASTIC MATERIAL SHALL BE PLACED BETWEEN PRECAST REINFORCED CONCRETE SECTIONS.
- 8. ALL STEPS SHALL BE FIBERGLASS OR NEOPRENE COATED.
- 9. ALL STORM SEWER MANHOLES SHALL HAVE ASTM A48 CERTIFICATION.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-2241 AWWA C900 AWWA C905	ASTM D-3139 ASTM D-3139 ASTM D-3139

E. EROSION AND SEDIMENT CONTROL

- 1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- 2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- 3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM: a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY

SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

- b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
 IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE
- 7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- 9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- 10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- 12. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- 13. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- 14. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- 15. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- 16. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- 17. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED
 BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- 18. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE
- THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- 19. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE
- DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- 21. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- 22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED
 ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION
- SHUTDOWN

 UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- 23. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

24. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM

- REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR SITE INSPECTOR.

 25. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE FUNCTIONAL AND INSPECTED
- BY THE VILLAGE PRIOR TO LAND DISTURBANCE ACTIVITIES.

 26. STOCKPILES TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE PROVIDED WITH SOILD
- EROSION AND SEDIMENT CONTROL MEASURES.

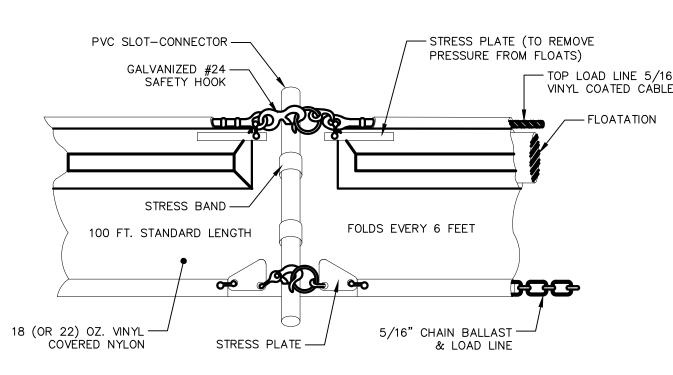
 27. PUMPING SEDIMENT-LADEN WATER INTO ANY STORMWATER FACILITY NOT DESIGNATED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY
- 28. LAND DISTURBANCE ACTIVITIES IN STREAMS AND DITCHES SHALL BE AVOIDED WHERE POSSIBLE.
- 29. SOIL STOCKPILES SHALL NOT BE LEFT OVERNIGHT IN DITCHES OR WITHIN FLOODPLAINS.

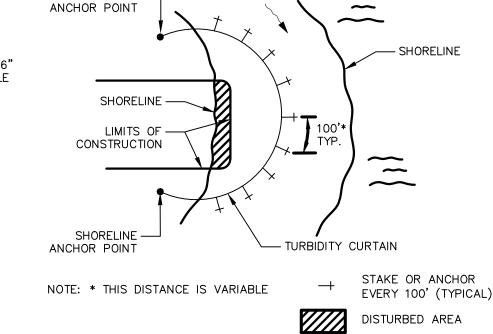
F. SCHEDULE OF MAJOR CONSTRUCTION EVENTS

- 1. INSTALL SEDIMENT EROSION CONTROL MEASURE (MARCH 13, 2023)
- 2. BEGIN MASS GRADING (APRIL 1, 2023)

WITHOUT FILTRATION IF PROHIBITED.

- 3. CONSTRUCTION (APRIL 1, 2023)
- 4. COMPLETE FINE GRADING (JULY 15, 2023)
- 5. STABILIZE SITE WITH SEED AND BLANKET (JULY 21, 2023)
- 6. REMOVE SEDIMENT EROSION CONTROL MEASURES (AUGUST 11, 2023)
- 7. FINAL COMPLETION (AUGUST 11, 2023)





SHORELINE

TYPE II FLOATING TURBIDITY CURTAIN

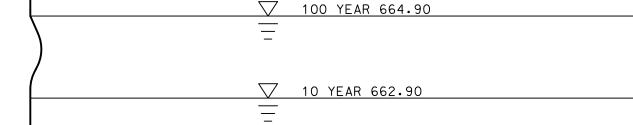
TYPICAL INSTALLATION FOR FLOATING TURBIDITY CURTAIN NOT TO SCALE

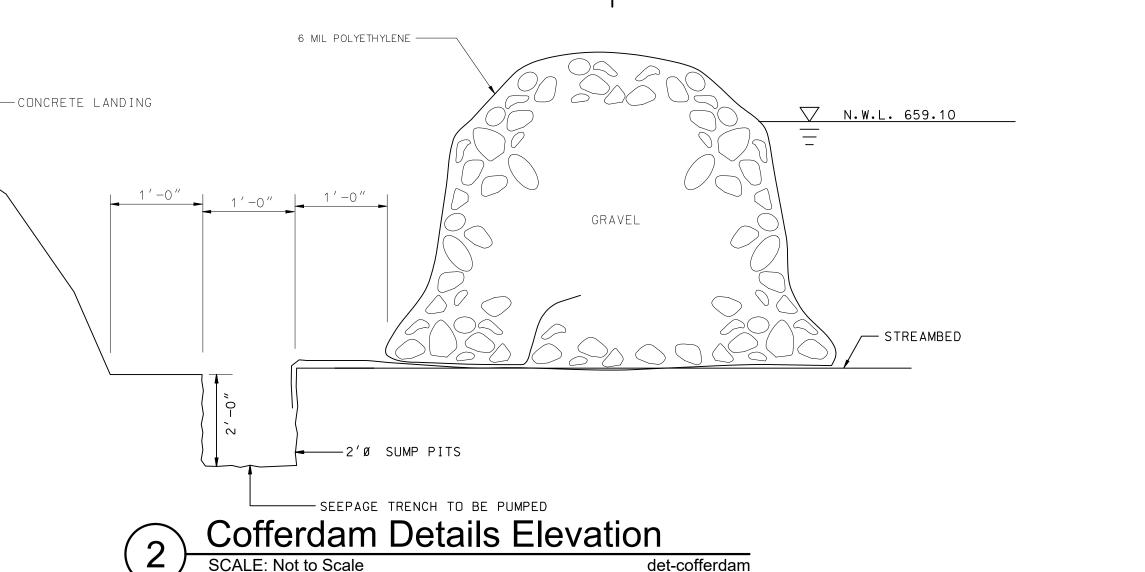


CONSTRUCTION SEQUENCE:

- 1. INSTALL COFFERDAM
- 2. CONSTRUCT TRENCH
- 3. INSTALL PUMP
- 4. DEWATER TRENCH5. TREAT WATER WITH DEWATERING SEDIMENT FILTER
- BAG THROUGHOUT CONSTRUCTION DURATION

 6. CONSTRUCT FISH OUTCROPPING
- 7. BACKFILL SUMP PITS TO GRADE W/ RIVER ROCK
- 8. REMOVE COFFERDAM
- 9. REMOVE SILT SCREEN







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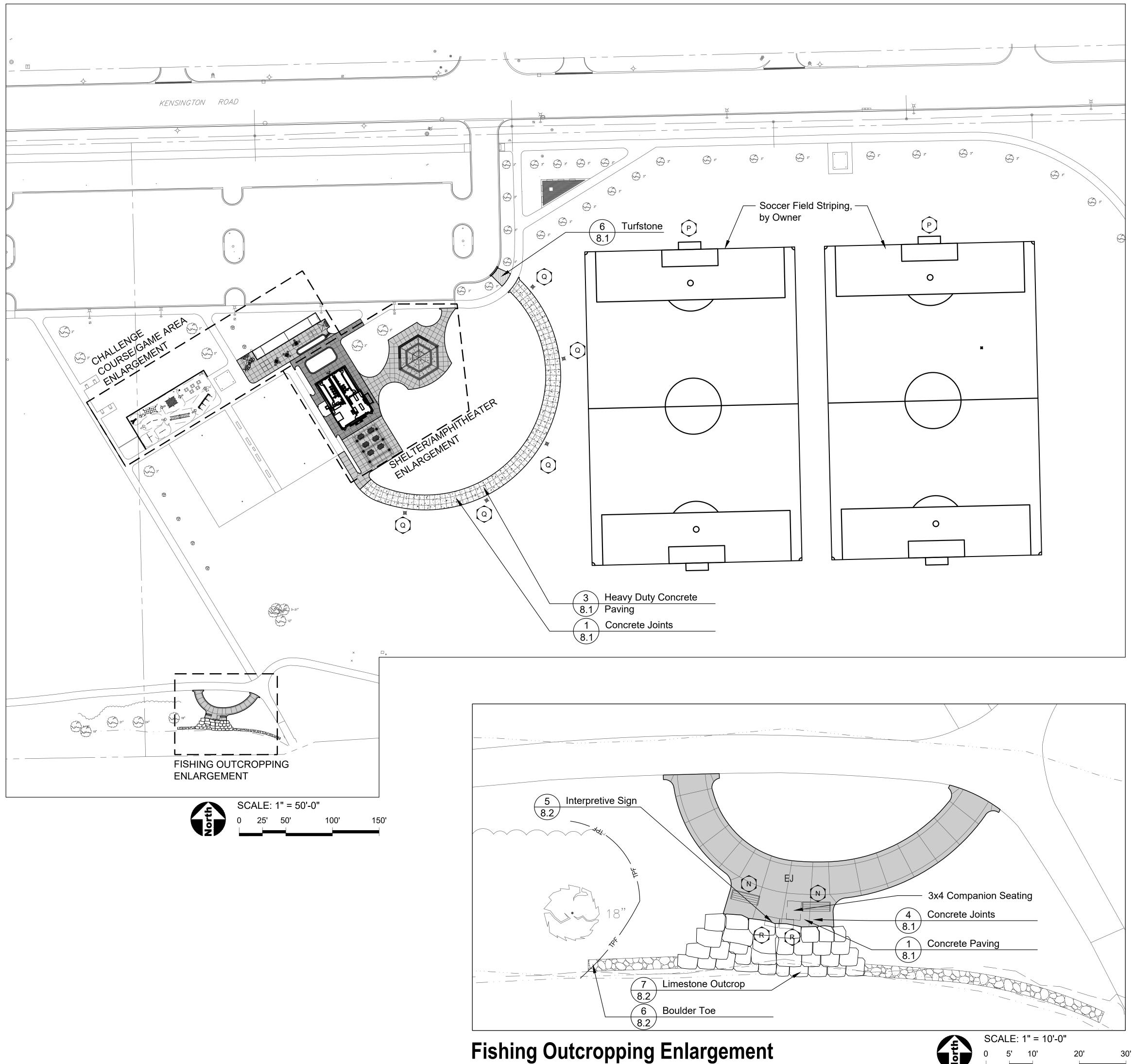
SHEET TITLE

1040

Standard Notes: SWPP

SHEET NUMBER

2.1



GENERAL NOTES: LAYOUT

- 1. It is the responsibility of the Contractor to perform layout of all project elements and points for review by Owner prior to construction. (This work is considered incidental to the project and not paid as a separate bid item).
- 2. The contractor shall be responsible for all materials and quantities as required to complete the work in accordance with the plans and specifications. The contractor will notify the Owner's Representative in writing of any discrepancies or changes required to complete the work before any action may be taken. All changes or change orders must be approved by the Owner's Representative and Owner before any changes are executed.
- Contractor shall follow Village of Oak Brook permit requirements as part of the project.
- 4. Any deviation from this approved plan shall require prior approval from the Village of
- The contractor shall contact the Village of Oak Brook Department of Development Services at 630-368-5101 a minimum of 24-hours in advance to schedule the following required engineering inspections:
 - **Erosion Control Inspection**
- Cofferdam and Turbidity Curtain Inspection(s)
- **Storm Sewer Inspection**
- Prepour Curb Inspection(s)
- **Turfstone Base Course Inspection**
- Poured-in-Place Surfacing Base Course Inspection
- Artificial Turf Base Course Inspection
- Fishing Outcropping Inspection Final Engineering Inspection

LEGEND

Concrete Paving

Colored Paving - Colored

Heavy Duty Concrete Paving

Artificial Turf Surfacing

Concrete Expansion Joints

Construction Limits / Construction Fence

Poured in Place Rubber Surfacing

Concrete Paving at Restroom by Others

REFERENCED SPECIFICATIONS AND CODES

- The Americans with Disabilities Act and the Illinois Accessibility Code.
- 2. The Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, and IEPA Standards and Specifications for Soil Erosion and Sedimentation Control.
- 3. U.S. Soil Conservation Service Field Engineering Handbook
- 4. All codes and ordinances of the Village of Oak Brook, Illinois Department of Natural Resources, DuPage County Soil and Water Conservation Districts, and all agencies having
- All requirements of the Occupational Safety and Health Administration.
- The cited standard specifications, codes and permits, with these construction plans and details, are all to be considered part of the work, incidental items or accessories necessary to complete this work may not be specifically noted but are considered a part of these
- 7. In case of conflict, the more restrictive provision shall apply.



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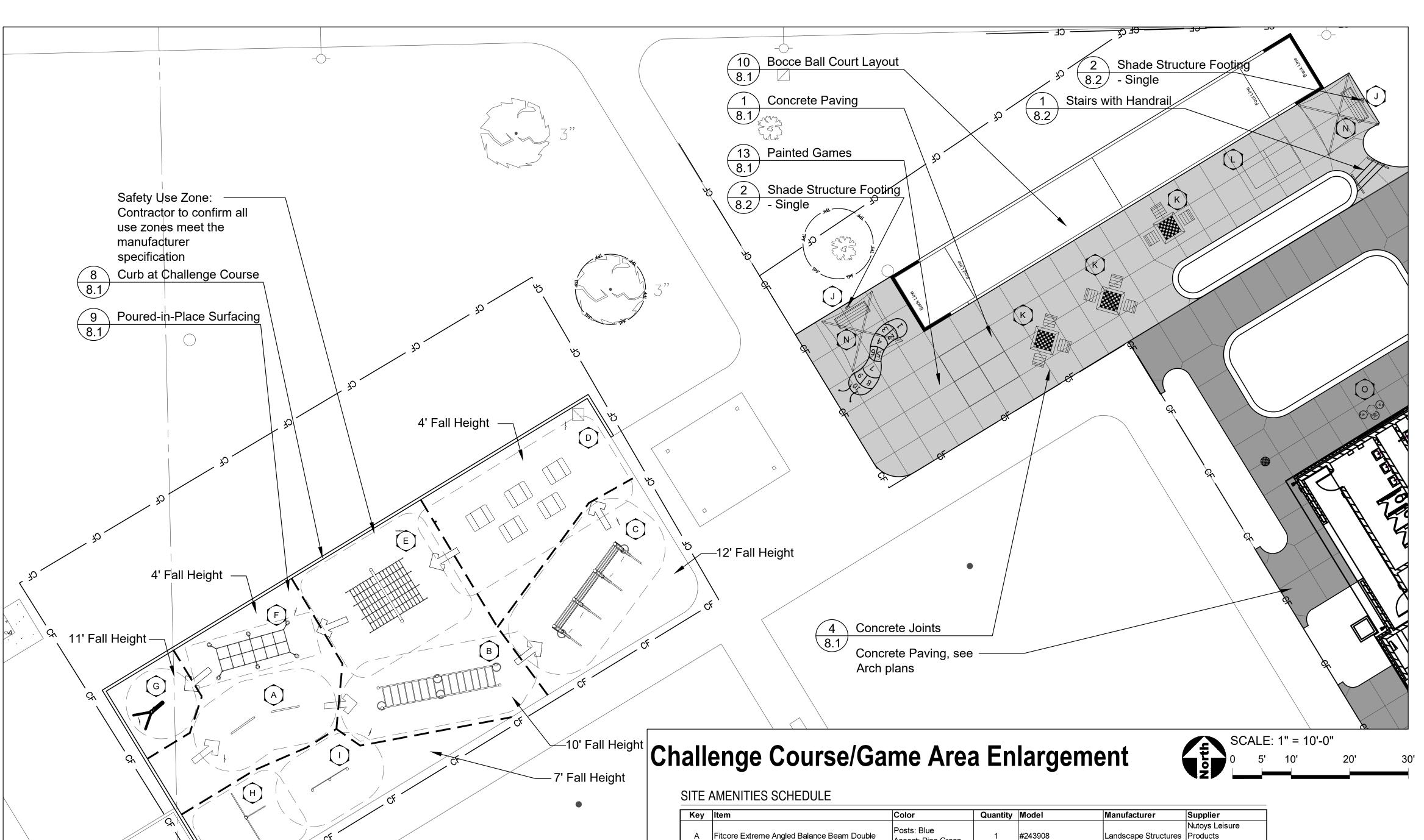
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SHEET TITLE **Layout Plan -Overall**

SHEET NUMBER

3.0



Poured-in-Place

-Text to be

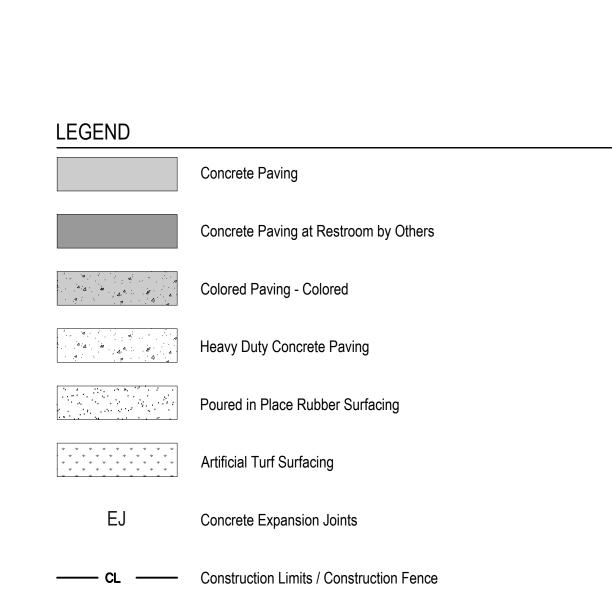
Poured in Place Surfacing Colors

Color A: 30% Bright Green, 30% Hunter Green, 40% Black

Color B: 30% Royal Blue, 30% Sky Blue, 40% Black

4.1 Dimensions

Key	Item	Color	Quantity	Model	Manufacturer	Supplier
Α	Fitcore Extreme Angled Balance Beam Double	Posts: Blue Accent: Pine Green	1	#243908	Landscape Structures	Nutoys Leisure Products 800-526-6197
В	Fitcore Extreme Angled Overhead Ladder	Posts: Blue Accent: Pine Green	1	#243907	Landscape Structures	Nutoys Leisure Products 800-526-6203
С	Fitcore Extreme Ledge Hanger	Posts: Blue Accent: Pine Green	1	#243778	Landscape Structures	Nutoys Leisure Products 800-526-6203
D	Fitcore Extreme Quintuple Steps	Posts: Blue Accent: Pine Green	1	#243062	Landscape Structures	Nutoys Leisure Products 800-526-6199
E	Fitcore Extreme A-Frame Cargo	Posts: Blue Accent: Pine Green	1	#243016	Landscape Structures	Nutoys Leisure Products 800-526-6198
F	Fitcore Extreme High Step	Posts: Blue Accent: Pine Green	1	#244064	Landscape Structures	Nutoys Leisure Products 800-526-6202
G	Fitcore Extreme Rope Climb	Posts: Blue Accent: Pine Green	1	#243910	Landscape Structures	Nutoys Leisure Products 800-526-6199
Н	Healthbeat Assisted Row/Push-Up	Posts: Blue Accent: Pine Green	2	#192452	Landscape Structures	Nutoys Leisure Products 800-526-6200
I	Chin-Up Station	Posts: Blue Accent: Pine Green	1	#137958	Landscape Structures	Nutoys Leisure Products 800-526-6201
J	SkyWays Cantilever Single Post Pyramid 10'x10'	Posts: Dune Fabric: Blue	2	#237673	Landscape Structures	Nutoys Leisure Products 800-526-6202
K	Game Table	Standard Finish, Grey	3	#T7102, 3 Seat	Doty & Sons	Doty & Sons 800-233-3907
L	Ping Pong Table	Standard Finish, Grey	1	#T1086050	Doty & Sons	Doty & Sons 800-233-3907
М	Picnic Table ADA	Powdercoat: Black Slats: Cedar	6	By Owner	Ultrasite	Ultrasite 800-458-5872
N	Bench	Black Powdercoat	4	#678, P238H-P8P	Ultrasite	Ultrasite 800-458-5872
0	Drinking Fountain	Black Powdercoat	1	#10145SMFA with Pet Fountain and Recessed Hose Bibb with Lock Door	Most Dependable Fountains	Play Design Scapes 224-324-4597
Р	Soccer Goal Pair	White	1 Pair	#2239-00A, Complete Soccer Goal System, 8'x24', Portable Aluminum Goals (Pair) with Net, Ties, and Auger Anchor System	PW Athletics	Nutoys Leisure Products 800-526-6197
Q	Pedestrian Light Fixture	Black Powdercoat	5	Light Fxiture: VPR- EA30 Post: 1030T Base: 3500 Base		
R	Interpretive Sign		1	By Owner		





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PROJECT

Central Park Phase II Development

1315 Kennsington Rd, Oak Brook, Illinois 60523

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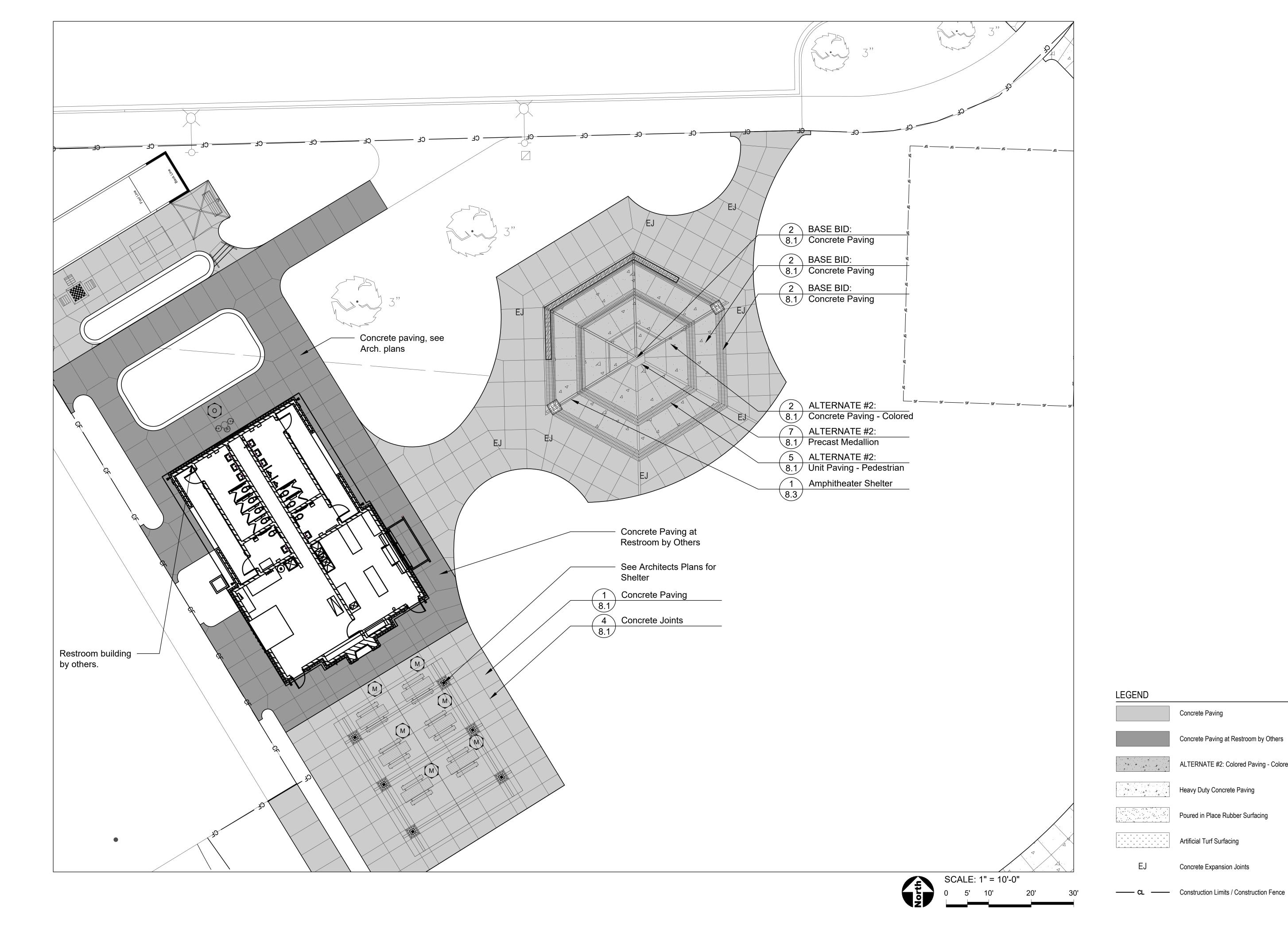
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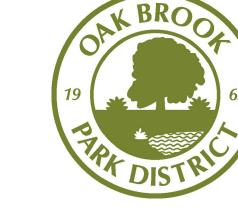
1040

Layout Plan Challenge Course / Game Area

SHEET NUMBER

3.1





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SHEET TITLE

Concrete Paving

Artificial Turf Surfacing

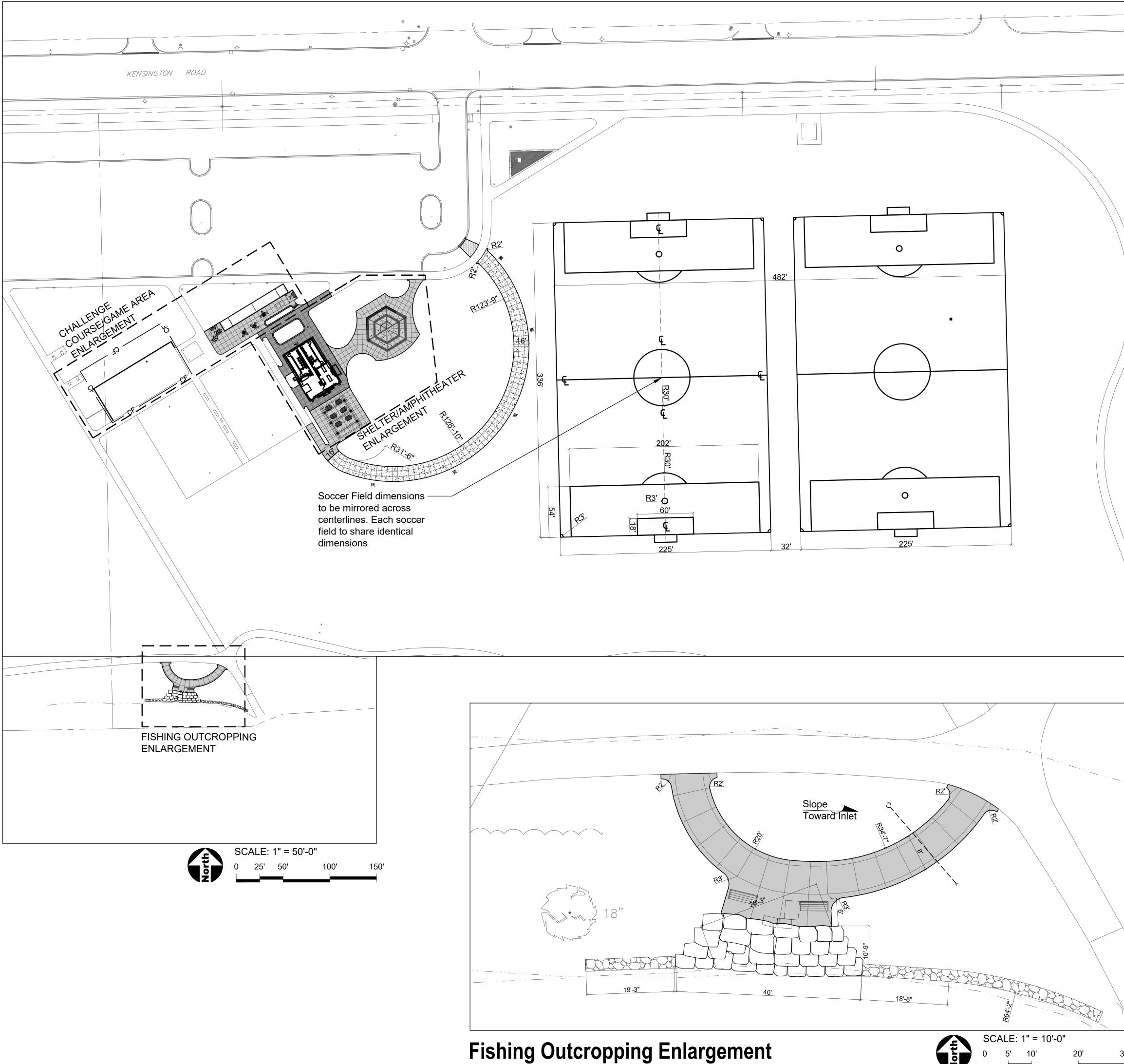
Concrete Expansion Joints

Concrete Paving at Restroom by Others

ALTERNATE #2: Colored Paving - Colored

Layout Plan -Shelter / **Amphitheater**

SHEET NUMBER



GENERAL NOTES: DIMENSION

- Layout of equipment is to center of post.
- Layout challenge course equipment with safety zones to be staked by the Contractor for review by Owner's Representative prior to play equipment installation.
- 3. Paving radii shall be formed completely and shall smoothly transition into tangents and adjoining lines. Dimensions are to face of curb and edge of pavement unless otherwise
- Dimensions are in feet or degrees. Dimensions are perpendicular & parallel unless otherwise
- See Layout Plan, Sheet 3.0 for additional general notes and referenced specifications and
- Contractor shall perform all construction layout for the project. Contractor will be provided with an electronic file in AutoCAD format to assist with layout. Neither the Owner nor their representative shall be responsible for setting additional layout points.



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SHEET TITLE **Dimension** Plan - Overall

SHEET NUMBER

LEGEND

Concrete Paving

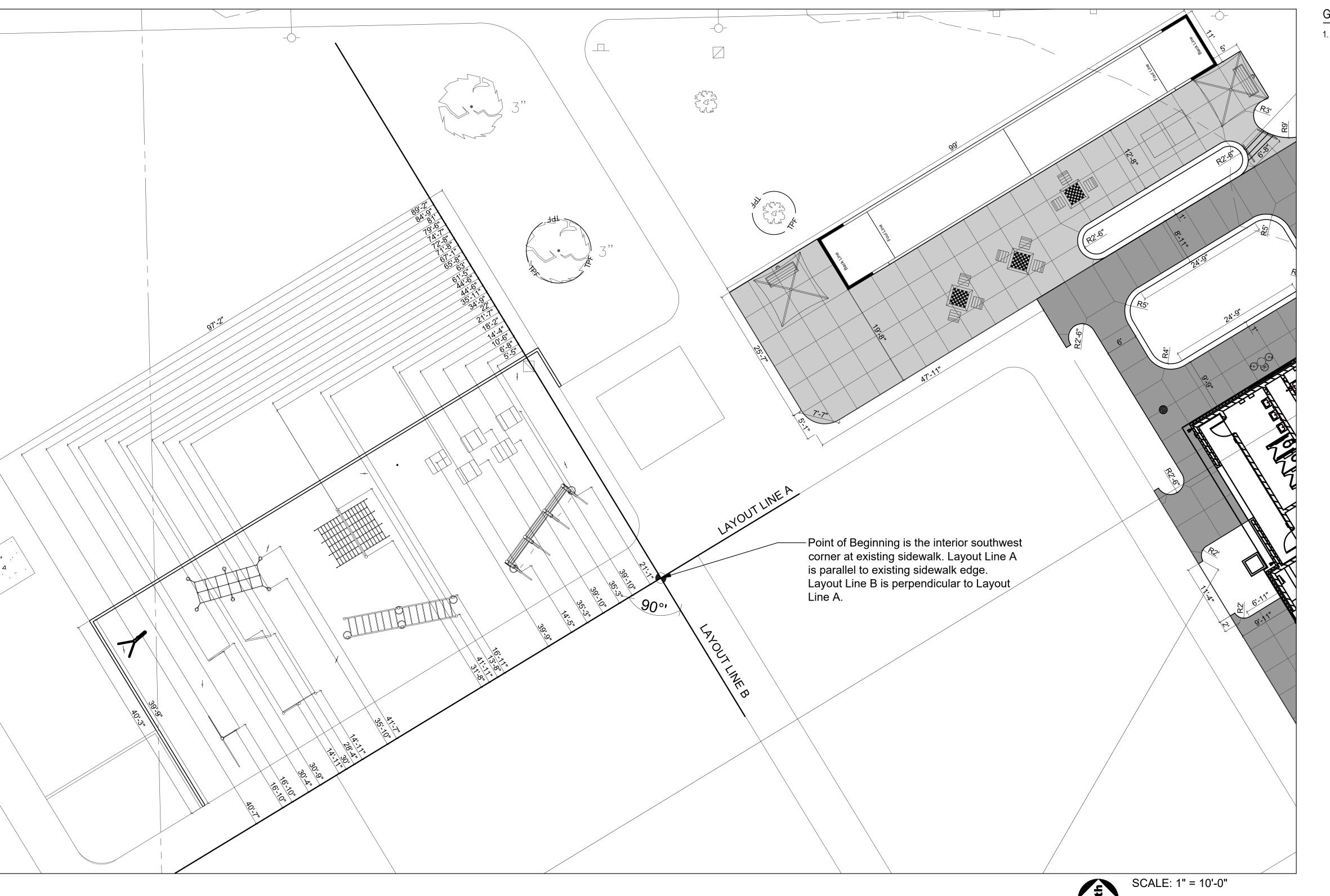
Colored Paving - Colored

Heavy Duty Concrete Paving

Poured in Place Rubber Surfacing

Construction Limits / Construction Fence

Concrete Paving at Restroom by Others



GENERAL NOTES: GRADING

1. See Sheet 4.0 for Notes.



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SHEET TITLE

Dimension Plan -Challenge Course / Game Area

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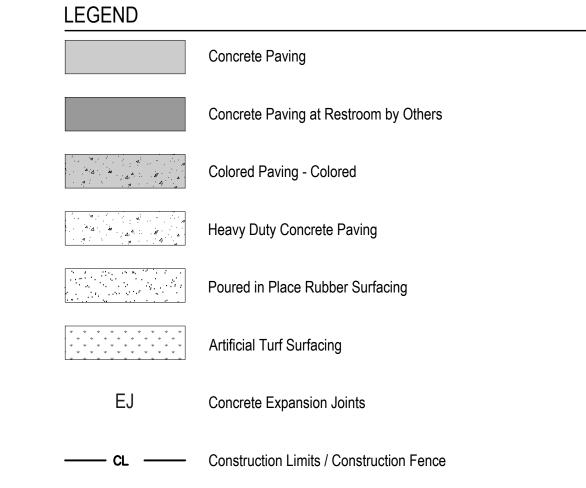
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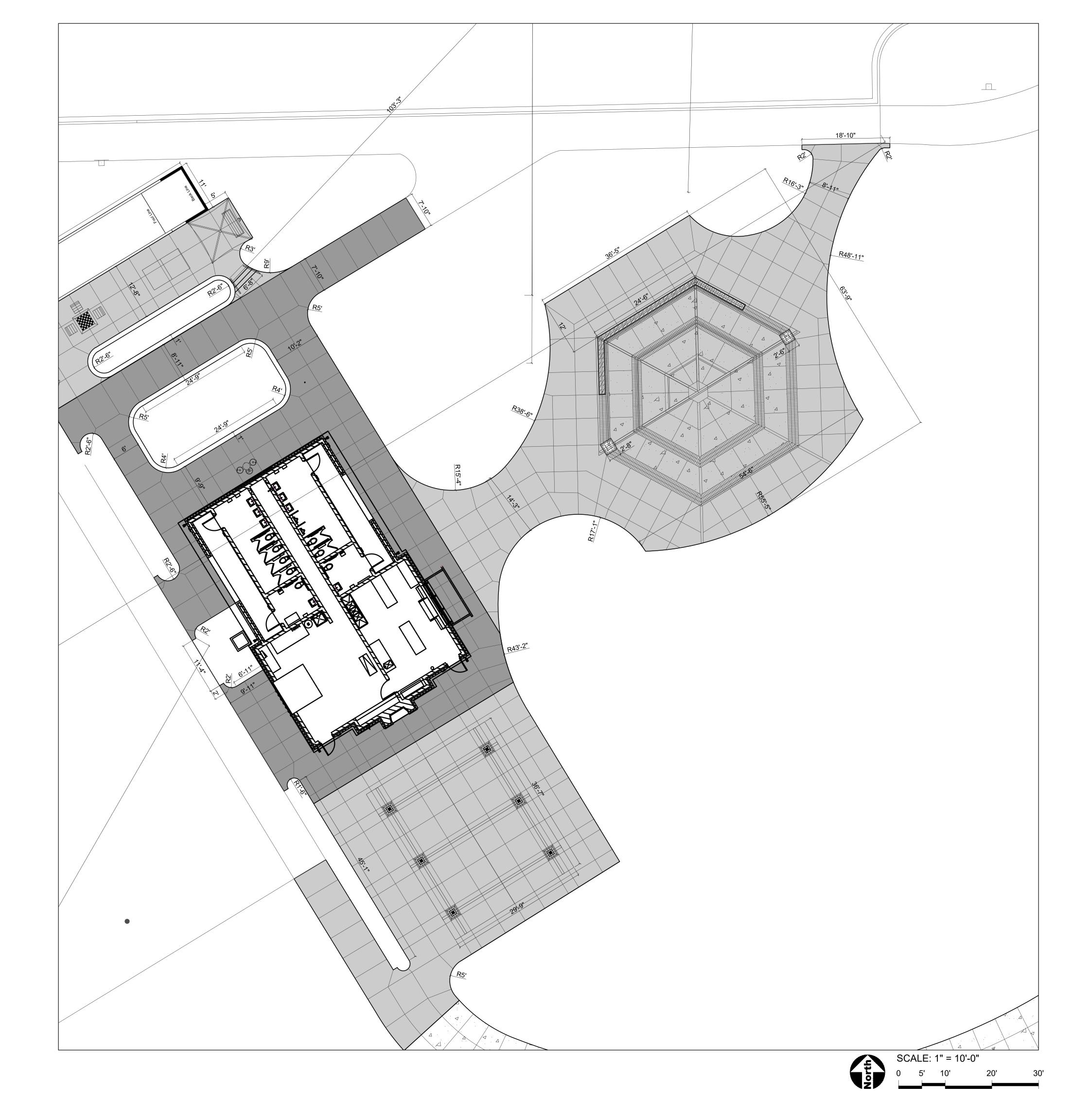


<u>ARROW</u>

START

<u>TEXT</u>







PROJECT

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LEGEND

Concrete Paving

Colored Paving - Colored

Artificial Turf Surfacing

Concrete Expansion Joints

Construction Limits / Construction Fence

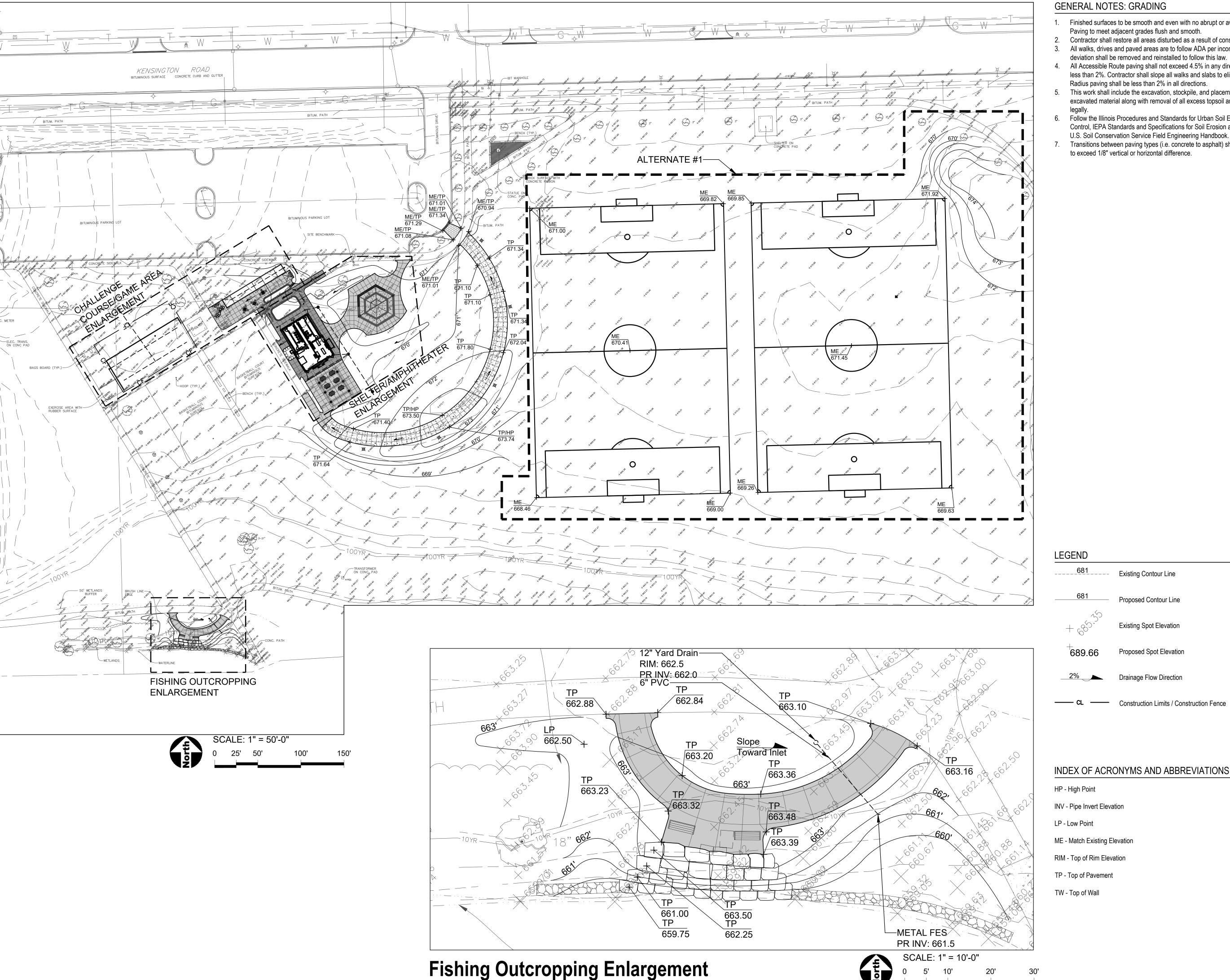
Heavy Duty Concrete Paving

Poured in Place Rubber Surfacing

Concrete Paving at Restroom by Others

SHEET TITLE Dimension Plan - Shelter / **Amphitheater**

SHEET NUMBER



- Finished surfaces to be smooth and even with no abrupt or awkward changes in grade.
- Contractor shall restore all areas disturbed as a result of construction.
- All walks, drives and paved areas are to follow ADA per incorporated specifications. Any deviation shall be removed and reinstalled to follow this law.
- All Accessible Route paving shall not exceed 4.5% in any direction. Cross slopes shall be less than 2%. Contractor shall slope all walks and slabs to eliminate ponding. ADA Turning
- This work shall include the excavation, stockpile, and placement of topsoil and suitable excavated material along with removal of all excess topsoil and debris off site and dispose of
- Follow the Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, IEPA Standards and Specifications for Soil Erosion and Sedimentation Control, and U.S. Soil Conservation Service Field Engineering Handbook.
- Transitions between paving types (i.e. concrete to asphalt) shall be smooth. Transitions not to exceed 1/8" vertical or horizontal difference.



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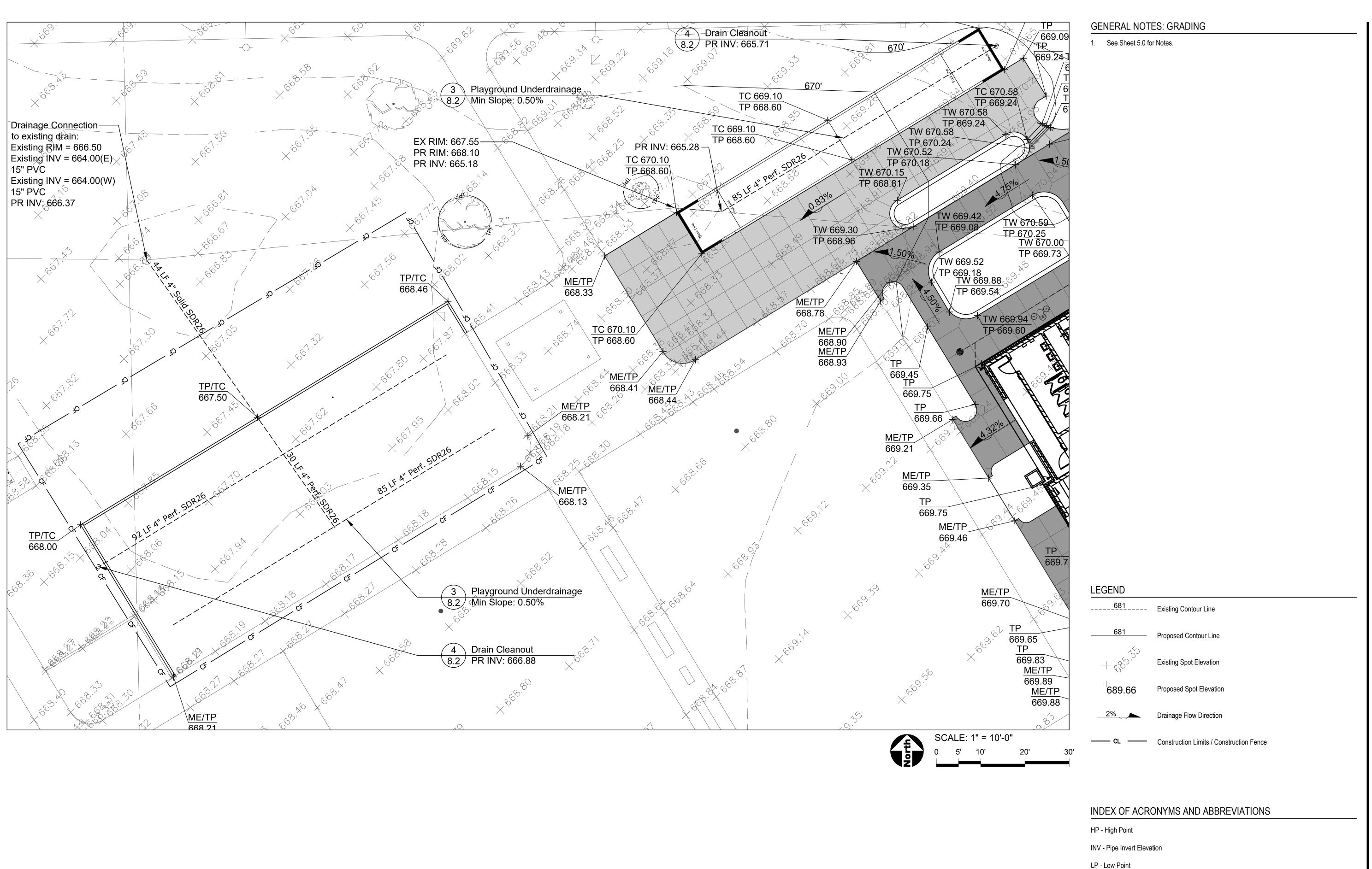
SHEET TITLE

Grading & Drainage Plan

Overall

SHEET NUMBER

5.0





PROJECT

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SHEET TITLE

Grading & Drainage Plan - Challenge Course / Game Area

SHEET NUMBER

ME - Match Existing Elevation

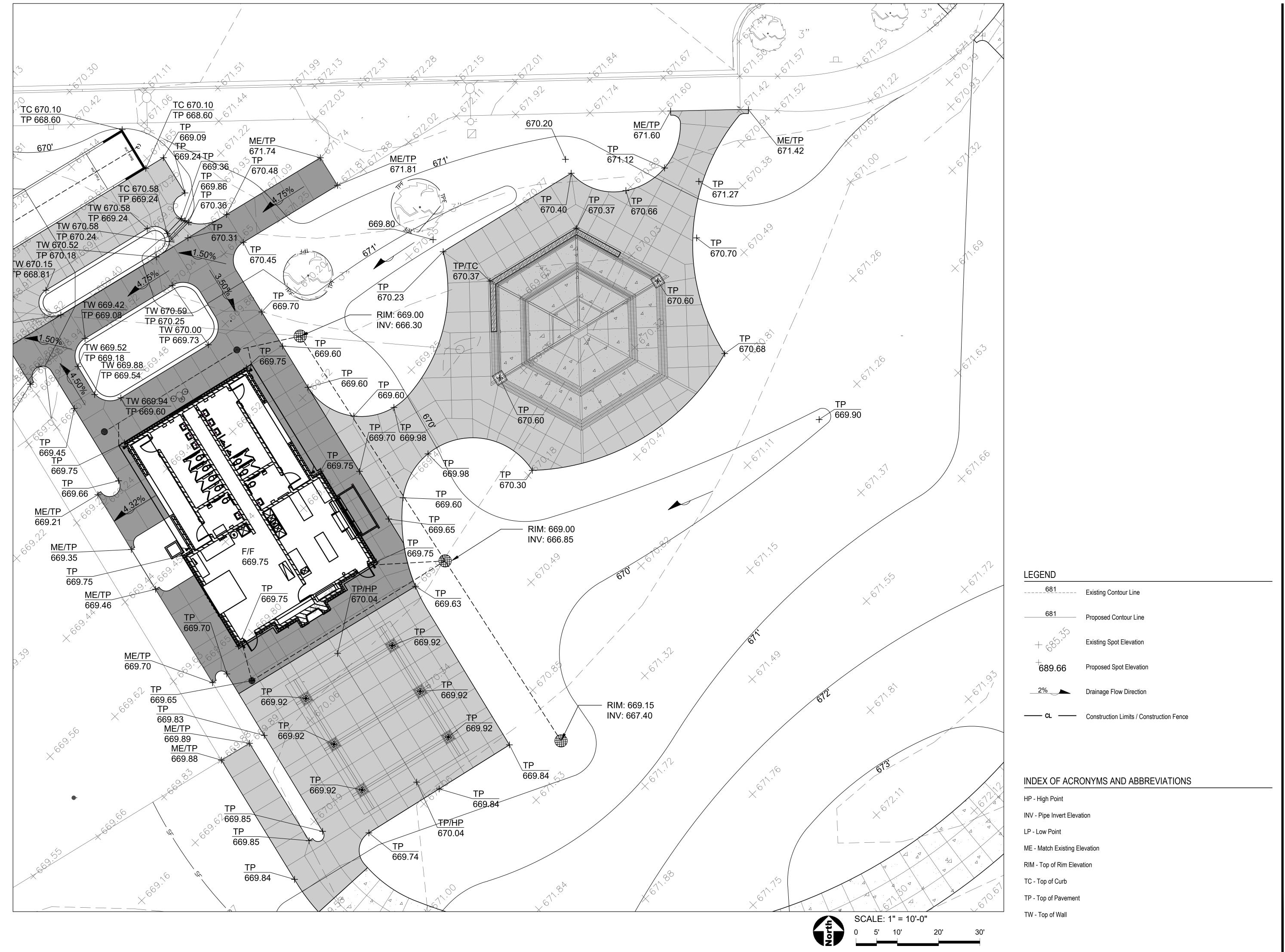
RIM - Top of Rim Elevation

TC - Top of Curb

TW - Top of Wall

TP - Top of Pavement

5.1





PROJECT

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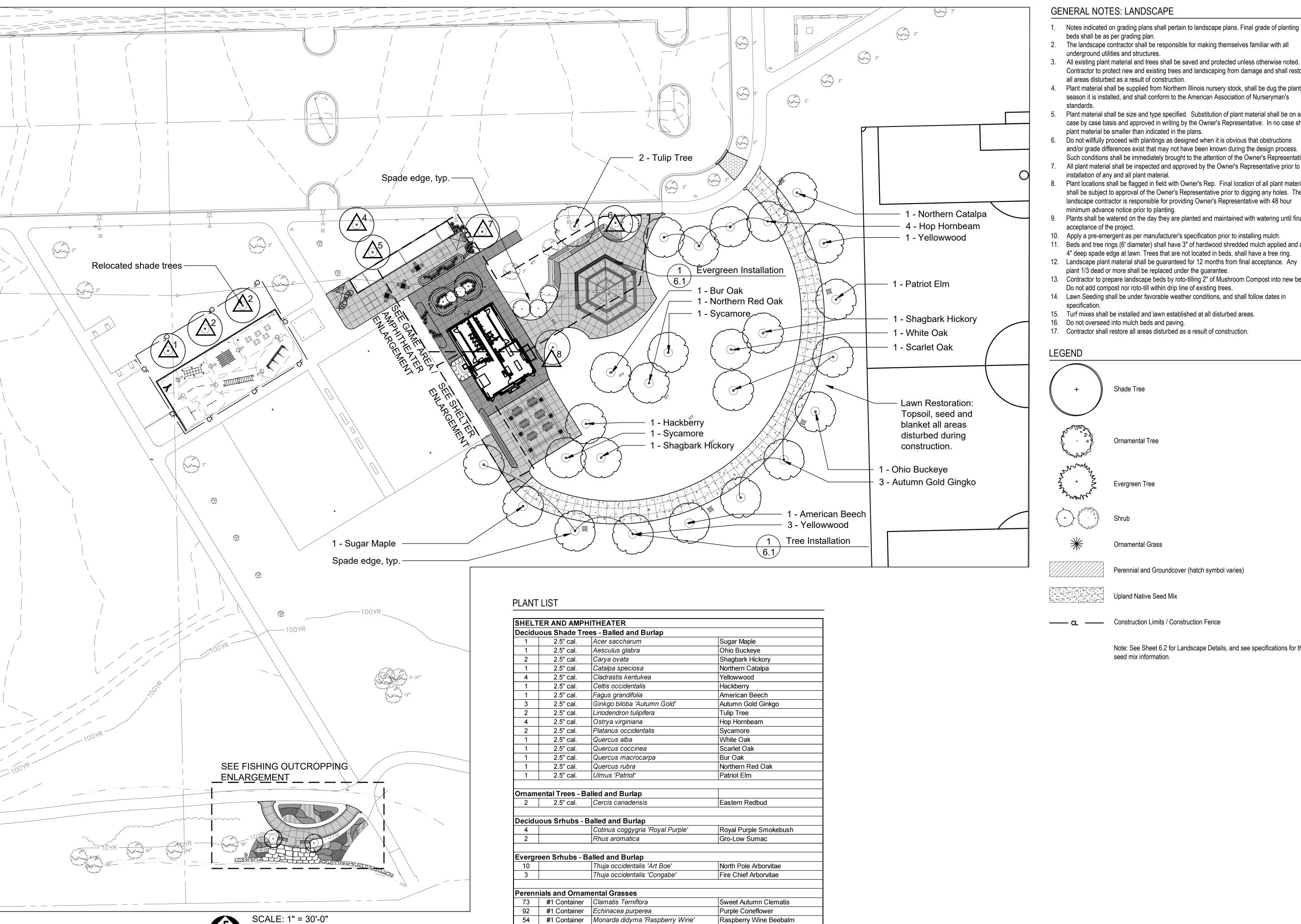
1040

SHEET TITLE

Grading & Drainage Plan Shelter / Amphitheater

SHEET NUMBER

5.2



Vepeta racemosa 'Walker's Low'

olidage rugosa 'Fireworks'

Thymus praecox 'Coccineus'

Sporobulous heterolepis

Rudbeckia fulgida 'Viette's Little Suzy'

#1 Container

#1 Container

#1 Container

44

Walker's Low Catmint

Fireworks Goldenrod

Prairie Dropseed

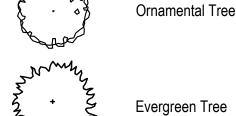
Creeping Thyme

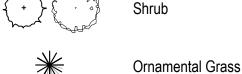
Little Suzy Black-eyed Susan

GENERAL NOTES: LANDSCAPE

- Notes indicated on grading plans shall pertain to landscape plans. Final grade of planting beds shall be as per grading plan.
 - The landscape contractor shall be responsible for making themselves familiar with all underground utilities and structures.
- All existing plant material and trees shall be saved and protected unless otherwise noted. Contractor to protect new and existing trees and landscaping from damage and shall restore all areas disturbed as a result of construction.
- 4. Plant material shall be supplied from Northern Illinois nursery stock, shall be dug the planting season it is installed, and shall conform to the American Association of Nurseryman's standards.
- Plant material shall be size and type specified. Substitution of plant material shall be on a case by case basis and approved in writing by the Owner's Representative. In no case shall plant material be smaller than indicated in the plans.
- Do not willfully proceed with plantings as designed when it is obvious that obstructions and/or grade differences exist that may not have been known during the design process. Such conditions shall be immediately brought to the attention of the Owner's Representative.
- All plant material shall be inspected and approved by the Owner's Representative prior to the installation of any and all plant material.
- Plant locations shall be flagged in field with Owner's Rep. Final location of all plant material shall be subject to approval of the Owner's Representative prior to digging any holes. The landscape contractor is responsible for providing Owner's Representative with 48 hour minimum advance notice prior to planting.
- Plants shall be watered on the day they are planted and maintained with watering until final acceptance of the project.
- 10. Apply a pre-emergent as per manufacturer's specification prior to installing mulch.
- Beds and tree rings (6' diameter) shall have 3" of hardwood shredded mulch applied and a 4" deep spade edge at lawn. Trees that are not located in beds, shall have a tree ring.
- plant 1/3 dead or more shall be replaced under the guarantee. 13. Contractor to prepare landscape beds by roto-tilling 2" of Mushroom Compost into new beds.
- Do not add compost nor roto-till within drip line of existing trees.
- 14. Lawn Seeding shall be under favorable weather conditions, and shall follow dates in
- 15. Turf mixes shall be installed and lawn established at all disturbed areas.
- 16. Do not overseed into mulch beds and paving.
- 17. Contractor shall restore all areas disturbed as a result of construction.

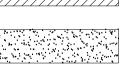
Shade Tree







Perennial and Groundcover (hatch symbol varies)



Upland Native Seed Mix

Construction Limits / Construction Fence

Note: See Sheet 6.2 for Landscape Details, and see specifications for the seed mix information.



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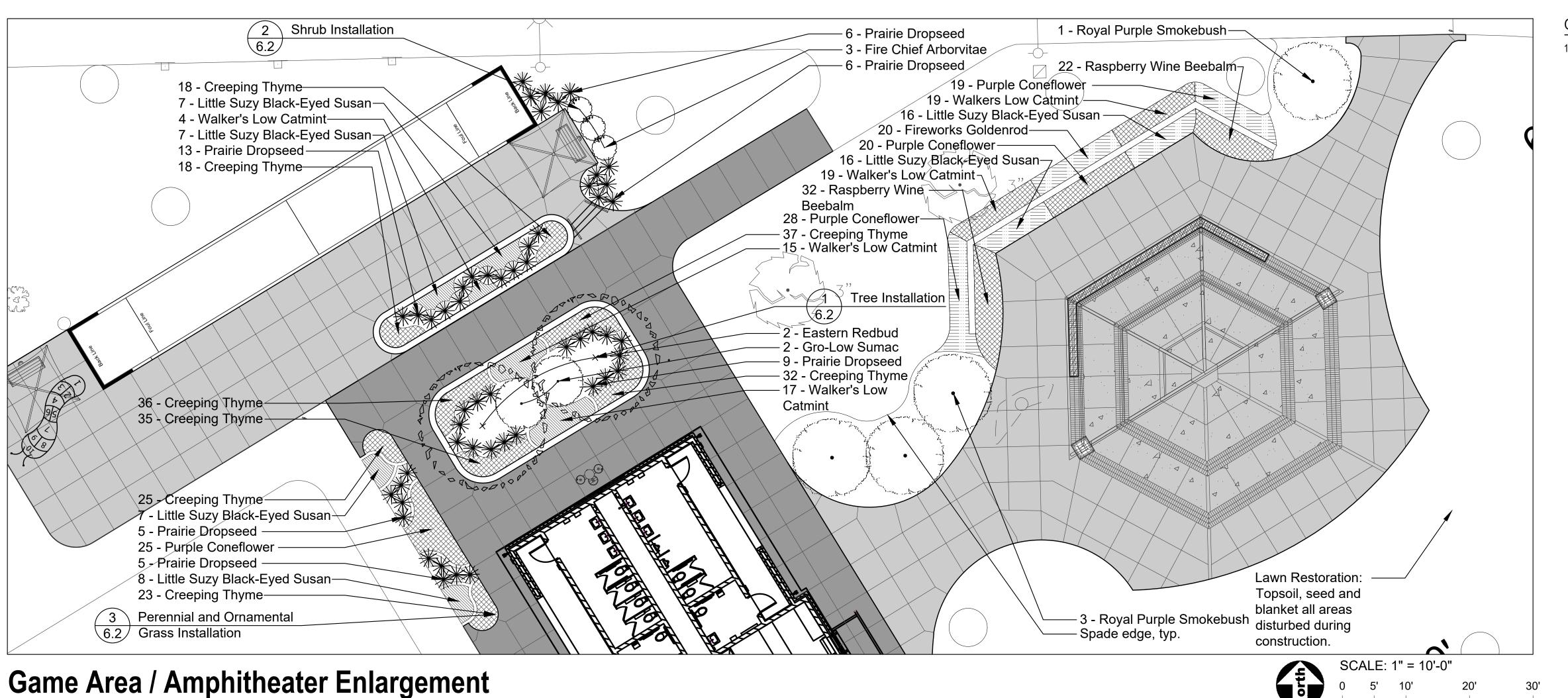
PROJECT NUMBER

1040

SHEET TITLE Landscape & Restoration Plan - Overall

SHEET NUMBER

6.0



GENERAL NOTES: LANDSCAPE

1. See Sheet 6.0 for Notes.

LEGEND

Shade Tree

Ornamental Tree

Evergreen Tree

Ornamental Grass

Upland Native Seed Mix

seed mix information.

Perennial and Groundcover (hatch symbol varies)

Note: See Sheet 6.2 for Landscape Details, and see specifications for the

Construction Limits / Construction Fence



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SHEET TITLE

Landscape & Restoration Plan - Game Area / Amphitheater / **Fishing** Outcropping

SHEET NUMBER

6.1

POLLINATOR GARDEN AT FISHING OUTCROPPING

Echinacea purperea

Liatris spicata 'Kobold'

'Lobelia cardinalis 'Balck Truffle'

|Monarda didyma 'Raspberry Wine'

Nepeta racemosa 'Walker's Low'

Rudbeckia fulgida 'Viette's Little Suzy

Symphyotrichum novae-angliae 'Purple Do|Purple Dome Aster

Geum triflorum

Lobelia siphilitica

Monarda fistulosa

ligoneuron rigidum

Verbena hastata

16 2.5" cal. Thymus praecox 'Coccineus'

Staghorn Sumac

Cinderella Milkweed

Purple Coneflower

Marsh Blazing Star

Kobold Gayfeather

Great Blue Lobelia

Raspberry Wine Beebalm

Walker's Low Catmint

Fireworks Goldenrod

Little Suzy Black-eyed Susan

Cradinal Flower

Wild Bergamot

Stiff Goldenrod

Blue Vervain

Creeping Thyme

Butterfly Weed

Prairie Smoke

Ornamental Trees - Balled and Burlap 2 2.5" cal. Rhus typhina

Perennials and Ornamental Grasses

2.5" cal.

2.5" cal.

2.5" cal.

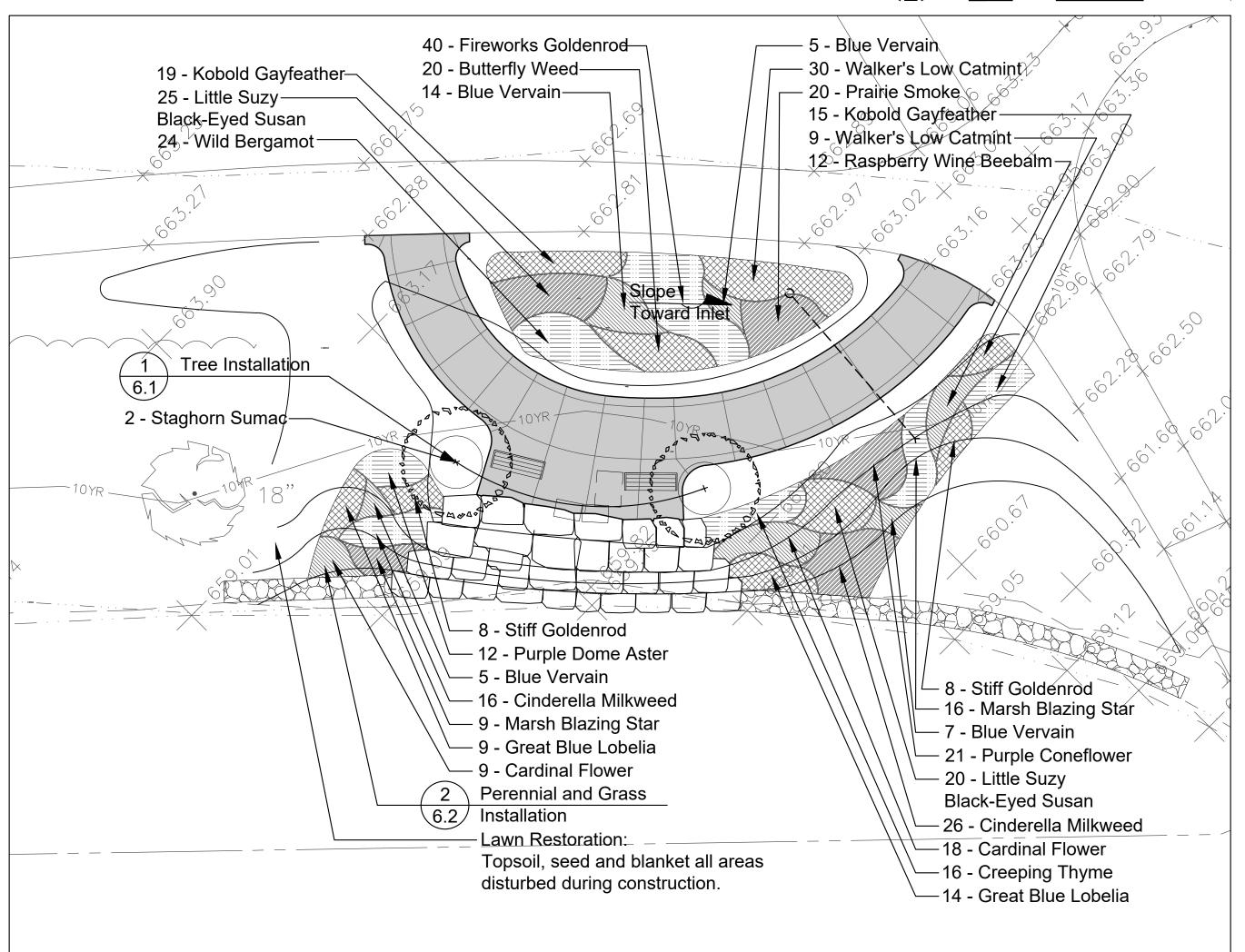
2.5" cal.

2.5" cal.

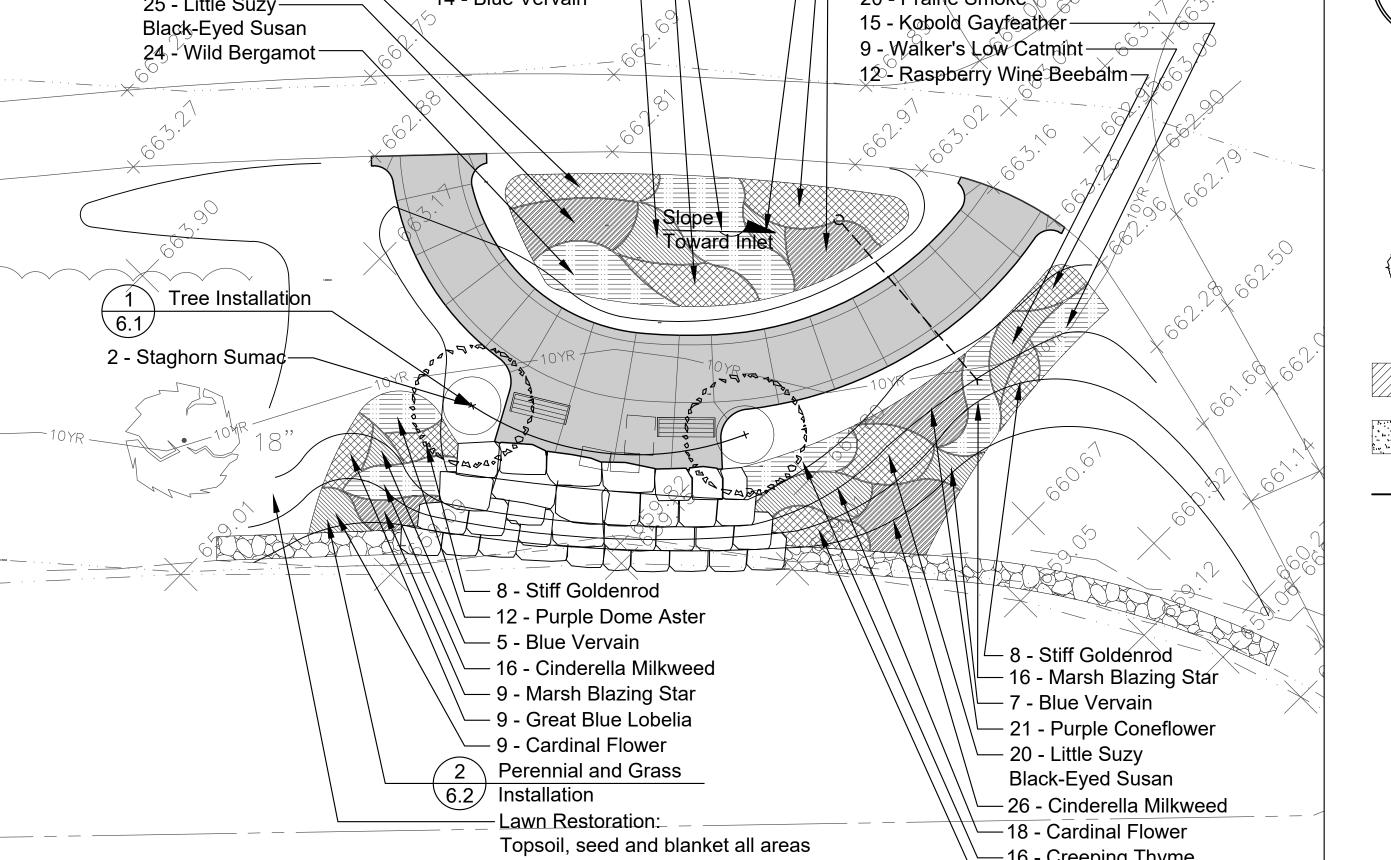
2.5" cal.

PLANT LIST

24



Fishing Outcropping Enlargement



GENERAL NOTES: LANDSCAPE

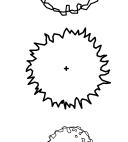
1. See Sheet 6.0 for Notes.

DLANTLICT

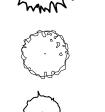
D	ER AND AMPH		
		es - Balled and Burlap	Compan Manula
1	2.5" cal.	Acer saccharum	Sugar Maple
1	2.5" cal.	Aesculus glabra	Ohio Buckeye
2	2.5" cal.	Carya ovata	Shagbark Hickory
1	2.5" cal.	Catalpa speciosa	Northern Catalpa
4	2.5" cal.	Cladrastis kentukea	Yellowwood
1	2.5" cal.	Celtis occidentalis	Hackberry
1	2.5" cal.	Fagus grandifolia	American Beech
3	2.5" cal.	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginkgo
2	2.5" cal.	Liriodendron tulipifera	Tulip Tree
4	2.5" cal.	Ostrya virginiana	Hop Hornbeam
2	2.5" cal.	Platanus occidentalis	Sycamore
1	2.5" cal.	Quercus alba	White Oak
1	2.5" cal.	Quercus coccinea	Scarlet Oak
1	2.5" cal.	Quercus macrocarpa	Bur Oak
1	2.5" cal.	Quercus rubra	Northern Red Oak
1	2.5" cal.	Ulmus 'Patriot'	Patriot Elm
Ornam	ental Trees - Ba	alled and Burlap	
2	2.5" cal.	Cercis canadensis	Eastern Redbud
Decidu	ıous Srhubs - E	Balled and Burlap	
Decidu 4	ious Srhubs - E	Balled and Burlap Cotinus coggygria 'Royal Purple'	Royal Purple Smokebush
	ious Srhubs - E		Royal Purple Smokebush Gro-Low Sumac
2		Cotinus coggygria 'Royal Purple' Rhus aromatica	
2		Cotinus coggygria 'Royal Purple'	
4 2 Evergr 10		Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe'	Gro-Low Sumac North Pole Arborvitae
4 2 Evergr		Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap	Gro-Low Sumac
4 2 Evergr 10 3		Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe'	Gro-Low Sumac North Pole Arborvitae
4 2 Evergr 10 3	reen Srhubs - B	Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe'	Gro-Low Sumac North Pole Arborvitae
4 2 Evergr 10 3 Perenr	een Srhubs - B	Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe' nental Grasses	North Pole Arborvitae Fire Chief Arborvitae
4 2 Evergr 10 3 Perenr 73	reen Srhubs - B	Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe' mental Grasses Clamatis Terniflora	North Pole Arborvitae Fire Chief Arborvitae Sweet Autumn Clematis
4 2 Evergr 10 3 Perenr 73 92	reen Srhubs - B	Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe' nental Grasses Clamatis Terniflora Echinacea purperea	North Pole Arborvitae Fire Chief Arborvitae Sweet Autumn Clematis Purple Coneflower
4 2 Evergr 10 3 Perenr 73 92 54	reen Srhubs - B mials and Ornan #1 Container #1 Container #1 Container	Cotinus coggygria 'Royal Purple' Rhus aromatica alled and Burlap Thuja occidentalis 'Art Boe' Thuja occidentalis 'Congabe' mental Grasses Clamatis Terniflora Echinacea purperea Monarda didyma 'Raspberry Wine'	North Pole Arborvitae Fire Chief Arborvitae Sweet Autumn Clematis Purple Coneflower Raspberry Wine Beebalm

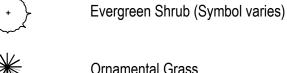
Lawn Restoration: ٥ Topsoil, seed and blanket all areas disturbed during 0 construction. 10 - North Pole Arborvitae 145 - Creeping Thyme- \bigcirc

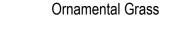
Ornamental Tree



LEGEND









symbol varies)

Perennial and Groundcover (hatch



Upland Native Seed Mix



Note: See specifications for the seed mix

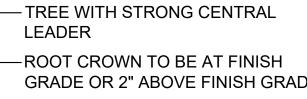
TOP OF POT SOIL SHALL BE

AT FINISHED GRADE.

Shelter Enlargement

PULVERIZED TOPSOIL IS NOT TO

BE USED FOR TREE BACKFILL



 \triangleright

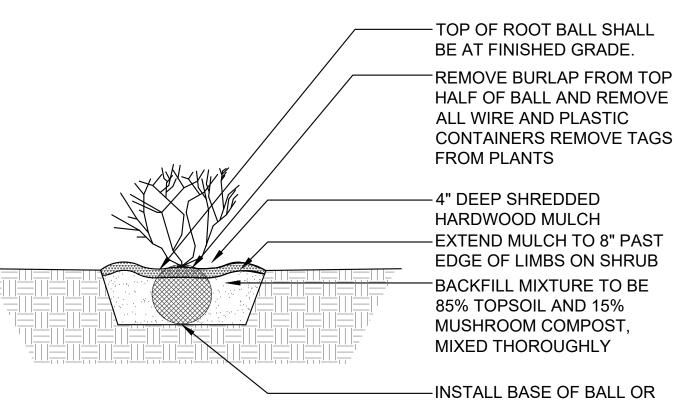
GRADE OR 2" ABOVE FINISH GRADE REMOVED ALL CONTAINERS, STRING, WIRE, AND TWINE AT TOP 1/2 OF ROOT BALL. REMOVE TAGS ON TREE -4" DEEP SHREDDED HARDWOOD MULCH. MULCH SHALL NOT TOUCH TREE TRUNK

-4" HIGH SOIL SAUCER BEYOND EDGE OF ROOT BALL. 6' DIAMETER MULCH RING OR MULCH AS PART OF PLANTING BED.

-BACKFILL MIXTURE TO BE TOPSOIL AS REQUIRED, PLACE ON ALL SIDES OF TREE, EXTEND 12" BEYOND OUTSIDE EDGE OF ROOT BALL.

d-plant-tree_12

-BASE OF BALL SHALL BE PLACED ON UNDISTURBED SUBGRADE OR TAMPED SOIL. TREE SHALL BE TRUE AND PLUMB

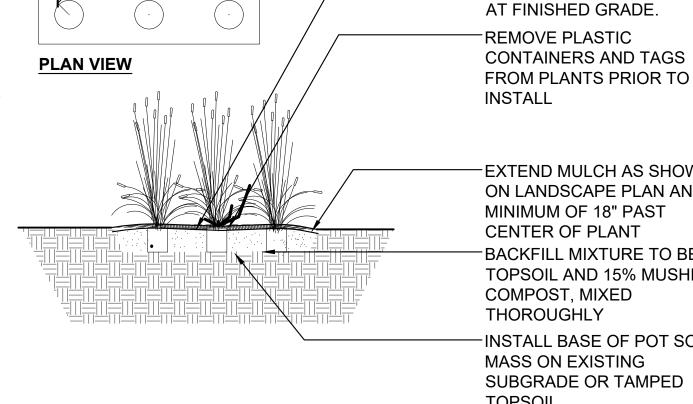


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FROM PLANTS 4" DEEP SHREDDED HARDWOOD MULCH -EXTEND MULCH TO 8" PAST EDGE OF LIMBS ON SHRUB BACKFILL MIXTURE TO BE 85% TOPSOIL AND 15% MUSHROOM COMPOST, MIXED THOROUGHLY

٥

-INSTALL BASE OF BALL OR ROOT MASS ON EXISTING SUBGRADE OR TAMPED TOPSOIL



SCALE: 1" = 10'-0"

EXTEND MULCH AS SHOWN ON LANDSCAPE PLAN AND MINIMUM OF 18" PAST CENTER OF PLANT BACKFILL MIXTURE TO BE 85% TOPSOIL AND 15% MUSHROOM COMPOST, MIXED THOROUGHLY INSTALL BASE OF POT SOIL

MASS ON EXISTING SUBGRADE OR TAMPED **TOPSOIL**

Tree Installation

Shrub Installation

d-plant-shrub_12

Perennial & Ornamental Grass Installation

SCALE: 1" = 1'-0"

d-berennials



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PROJECT

Central Park Phase II Development

1315 Kennsington Rd, Oak Brook, Illinois 60523

PROJECT TEAM



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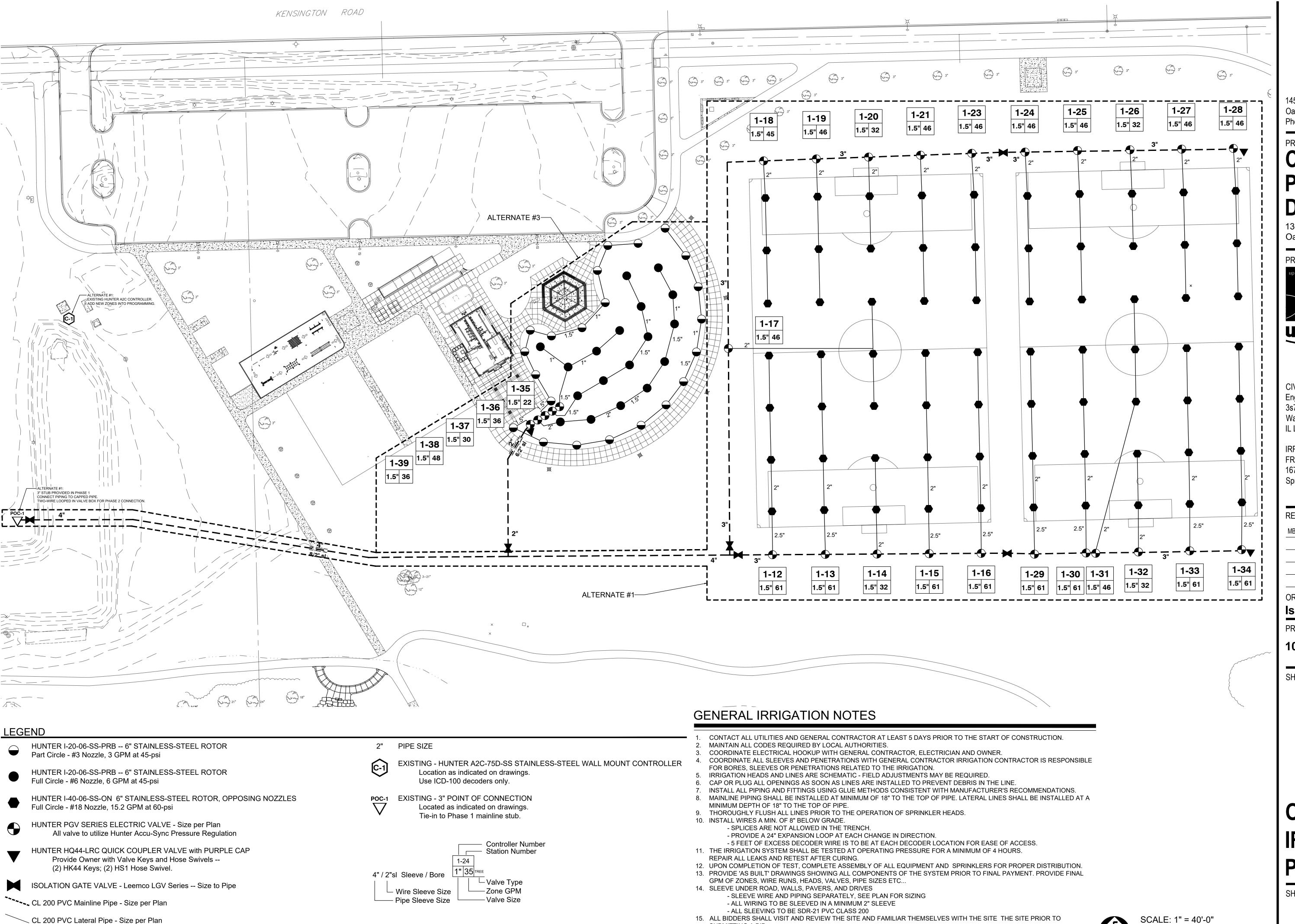
ORIGINAL ISSUE DATE

1040

SHEET TITLE Landscape & Restoration Plan - Shelter

SHEET NUMBER

6.2



SUBMITTING A BID.

REPRESENTATIVE.

SLEEVE - Size per Plan

16. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS.

17. PRESSURE READINGS WERE PROVIDED BY OTHERS. IF THE STATIC PSI IS NOT 72psi BEFORE THE RPZ, NOTIFY OWNER'S



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IRRIGATION
FRS Design Group LLC
167 S. Lexington Street, P. O. Box 748
Spring Green, Wisconsin 53588

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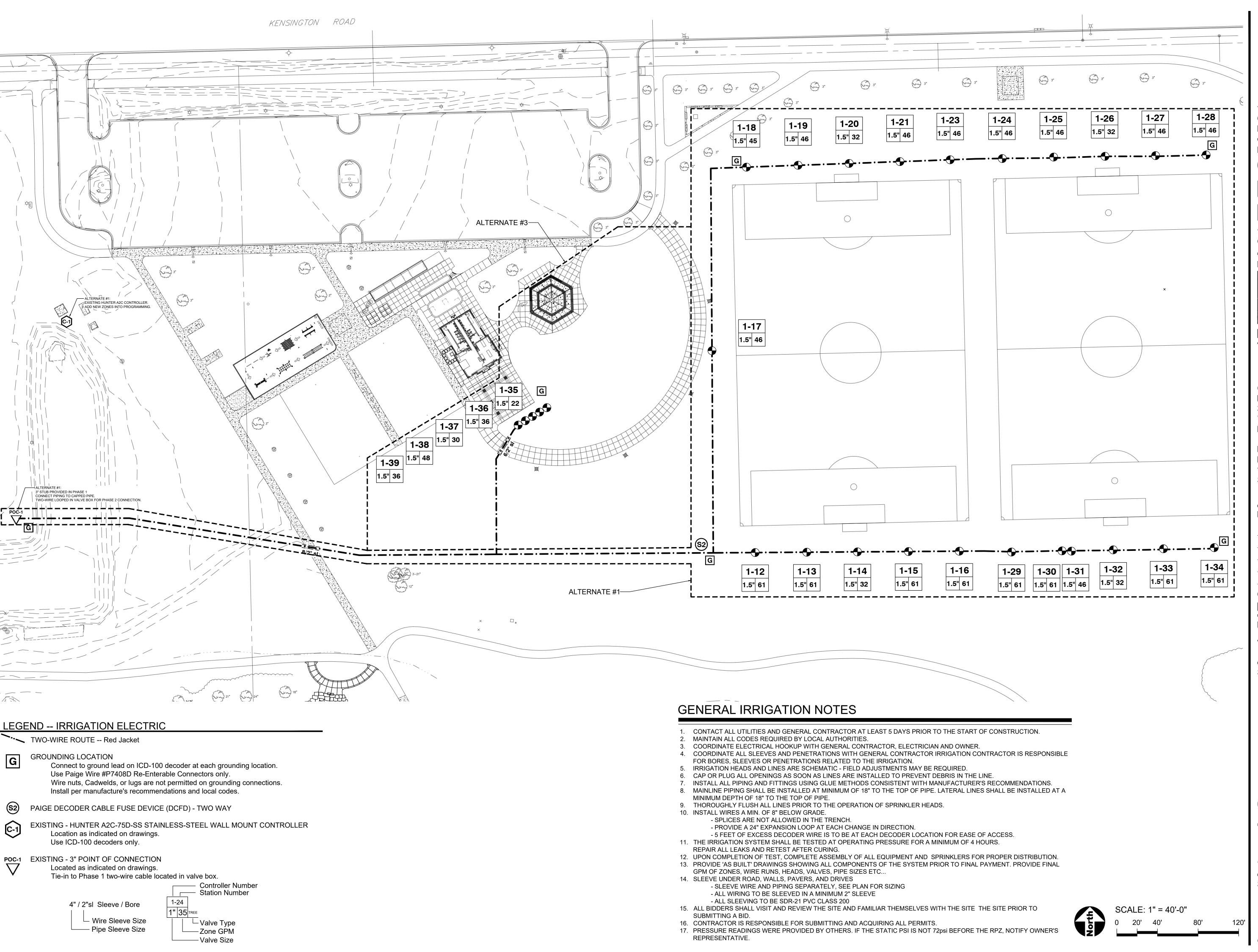
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SHEET TITLE

OVERALL IRRIGATION PLAN

SHEET NUMBER

7.0





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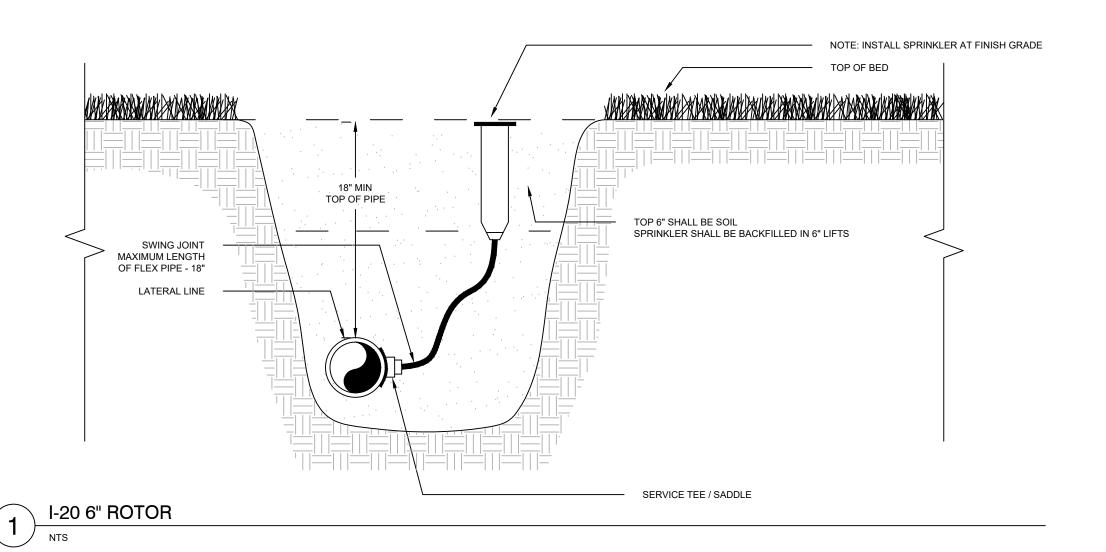
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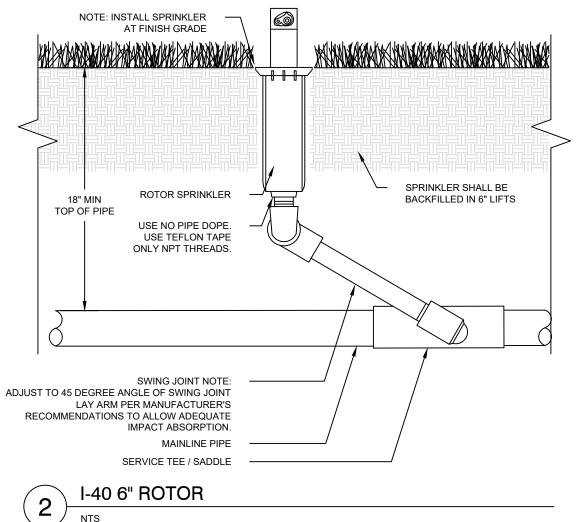
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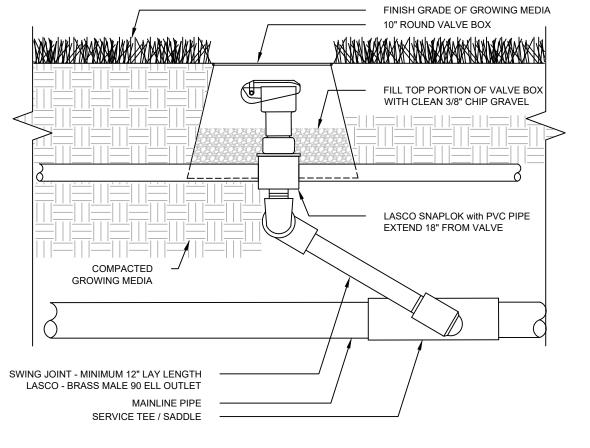
OVERALL TWO-WIRE SCHEMATIC

SHEET NUMBER

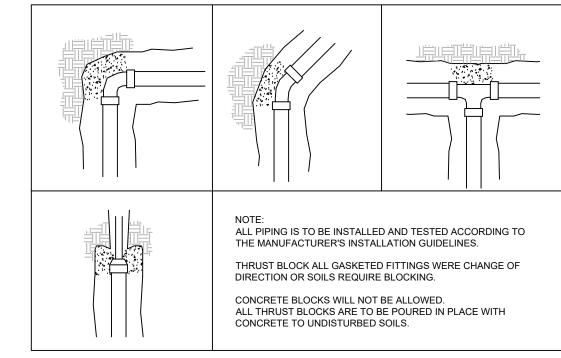
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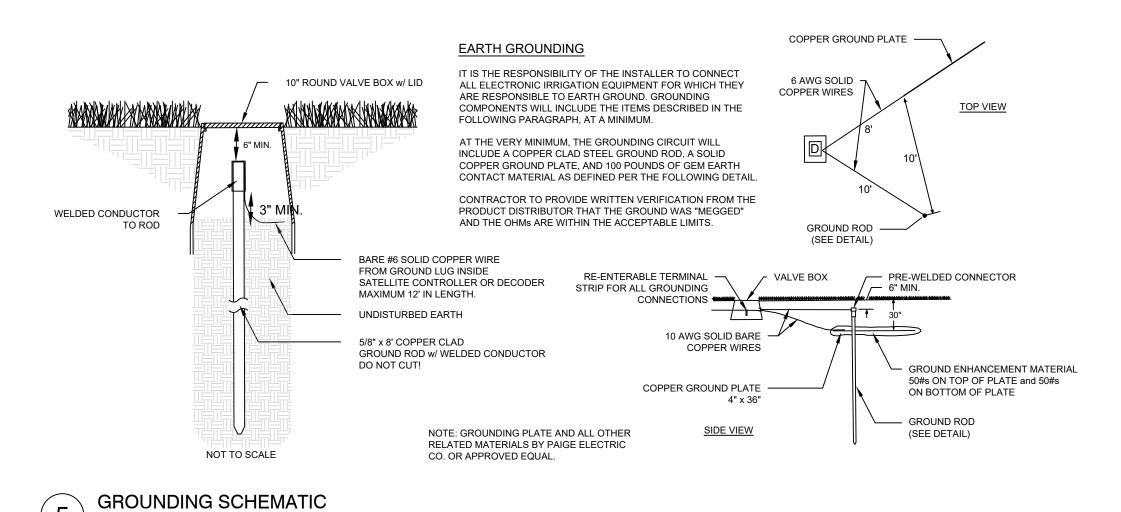


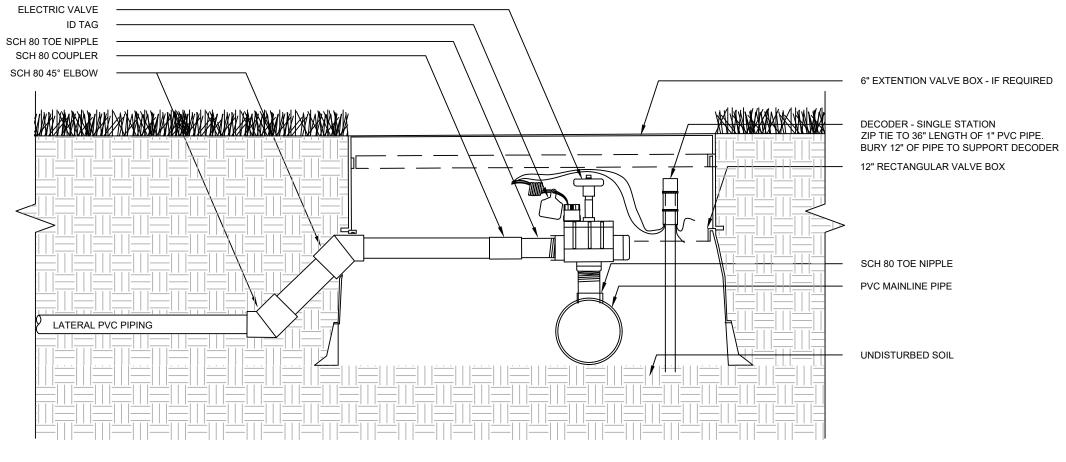


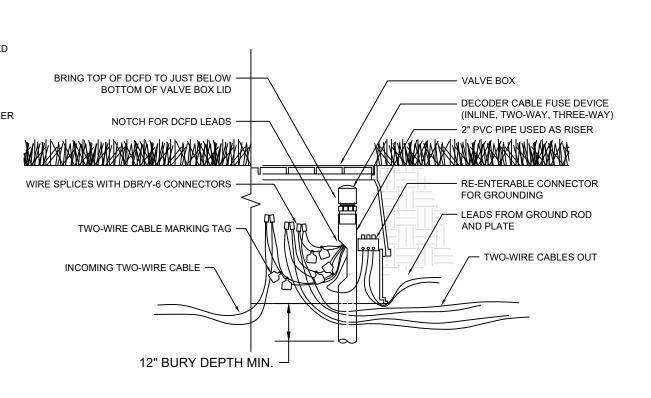
QUICK COUPLER VALVE



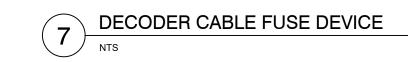


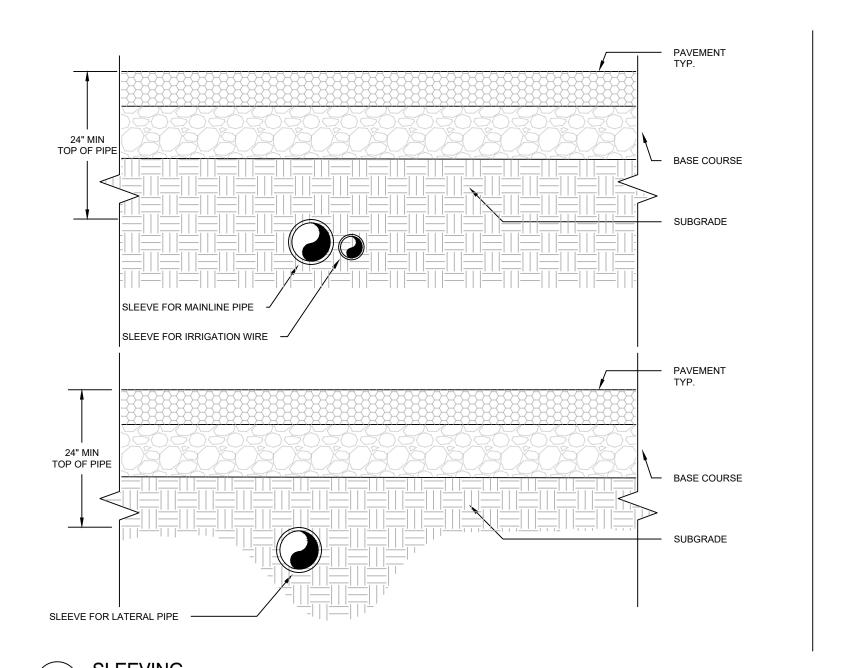


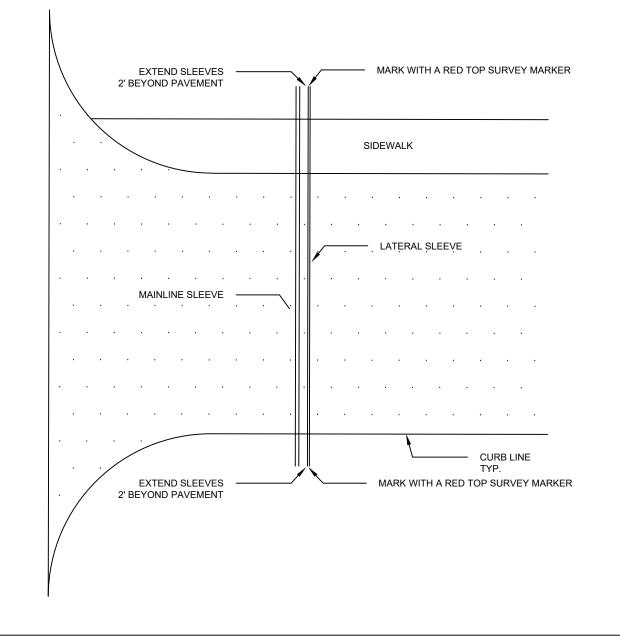


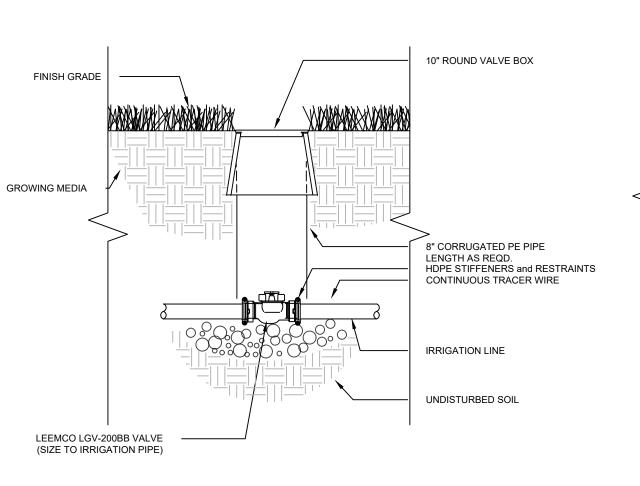


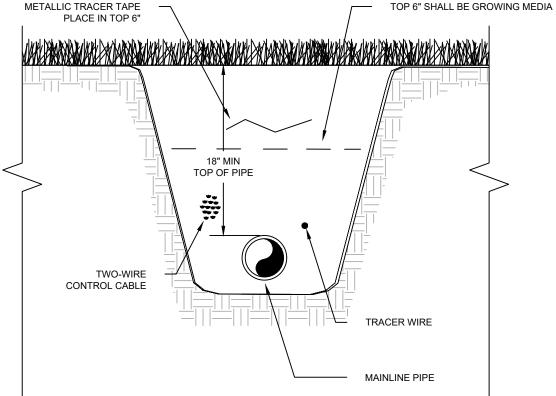












ISOLATION VALVE - 2", 2.5", and 3" 9



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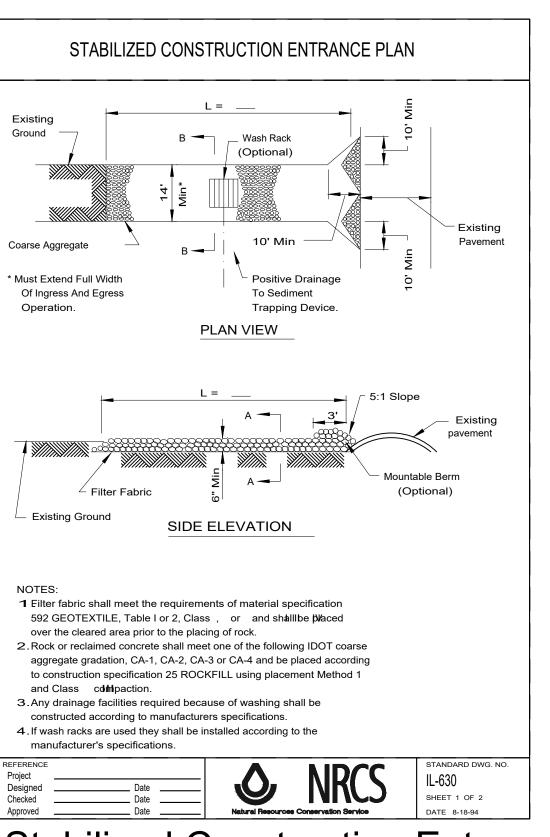
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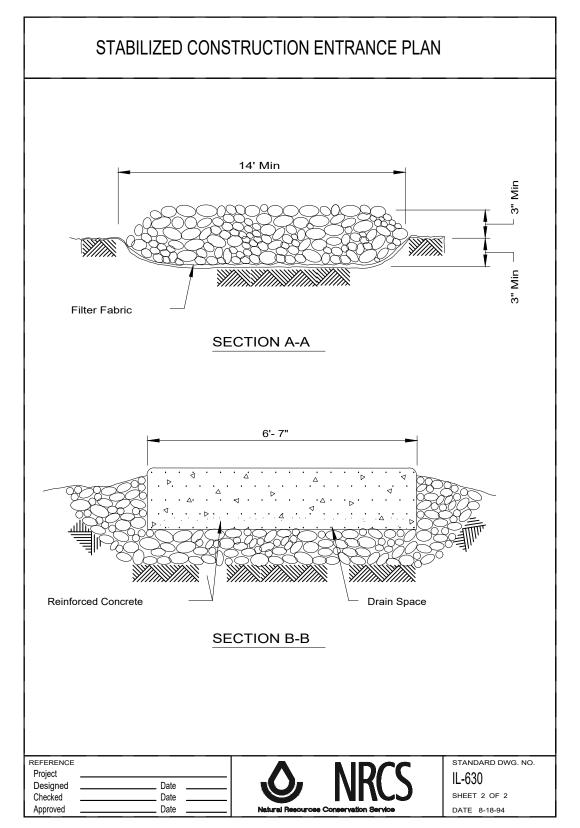
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SHEET TITLE

IRRIGATION **DETAILS**

SHEET NUMBER

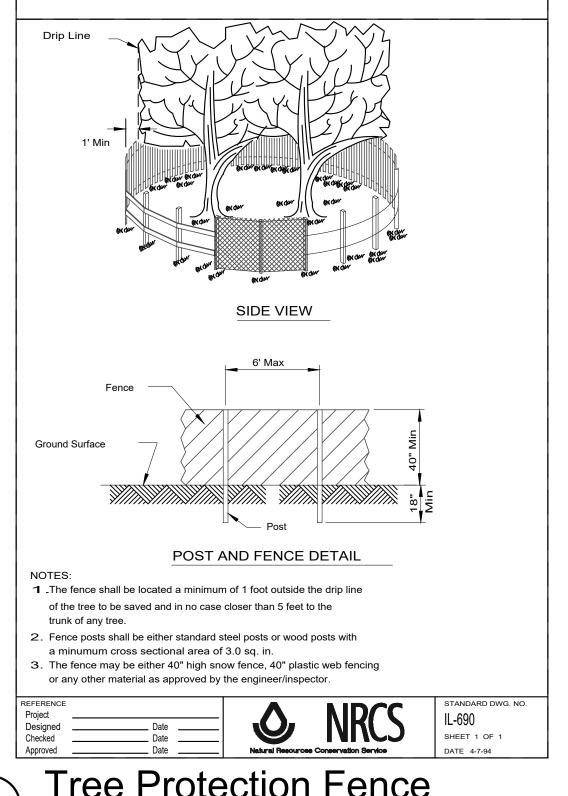




Stabilized Construction Entrance Plan

d-NRCS-IL630-construction entrance_12

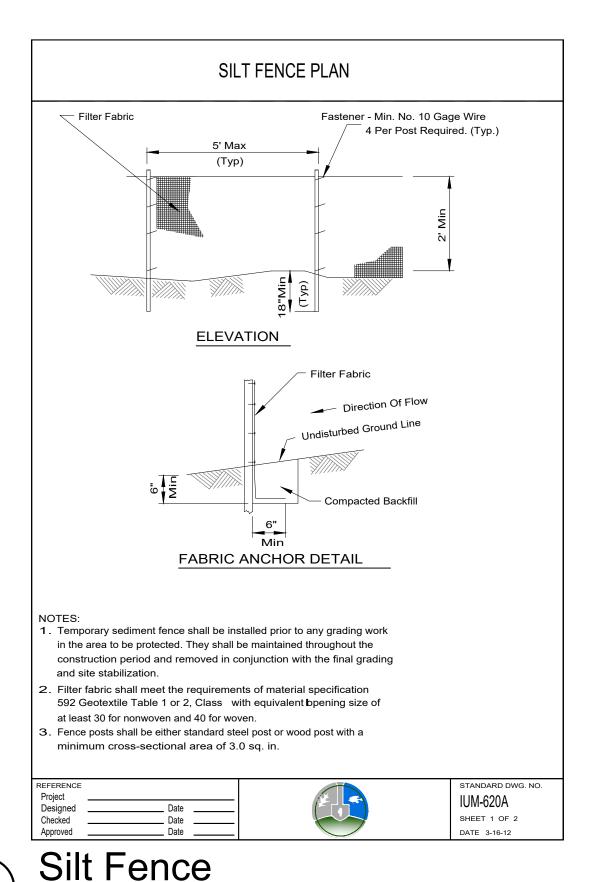
d-IUM 620B-silt fence 12

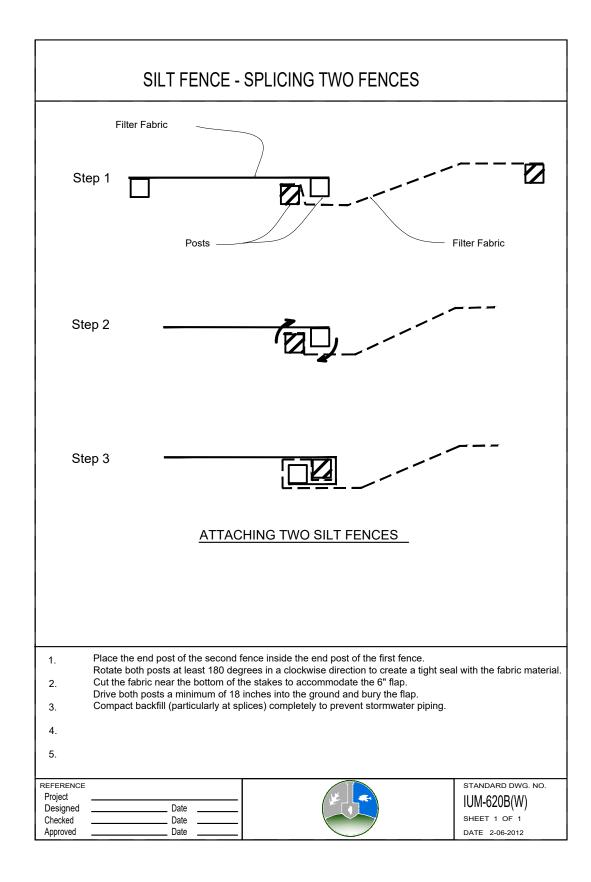


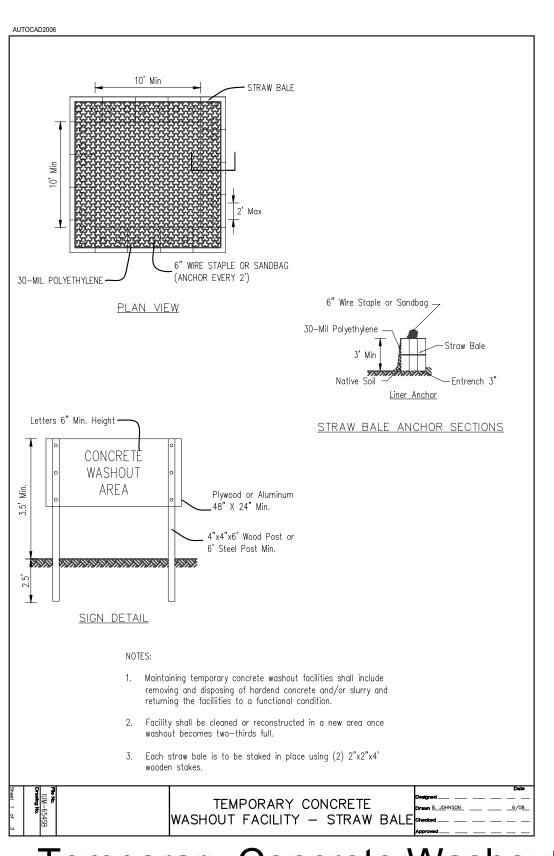
TREE PROTECTION - FENCING

Tree Protection Fence

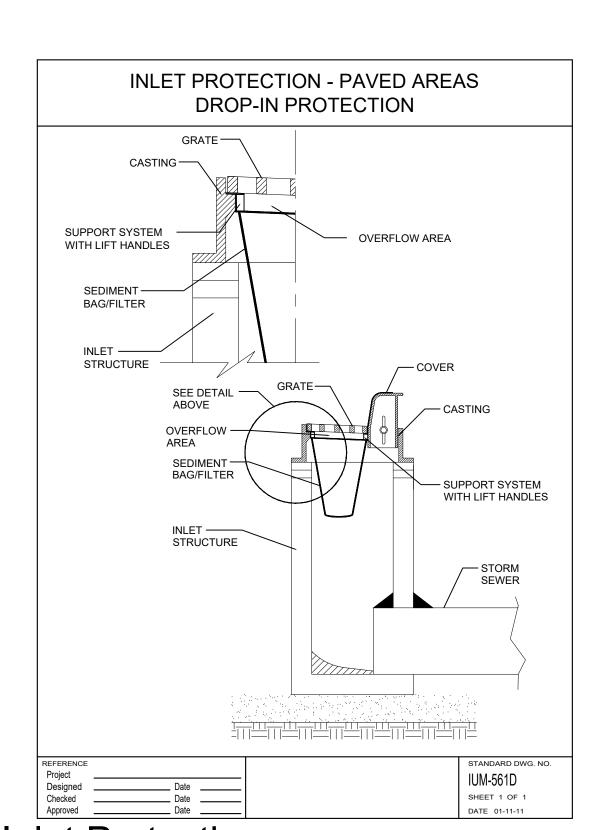
3 SCALE: NTS d-NRCS-IL690-tree protection fence_12



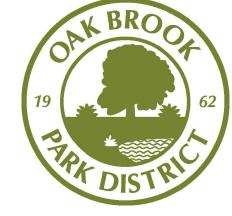








5) Inlet Protection



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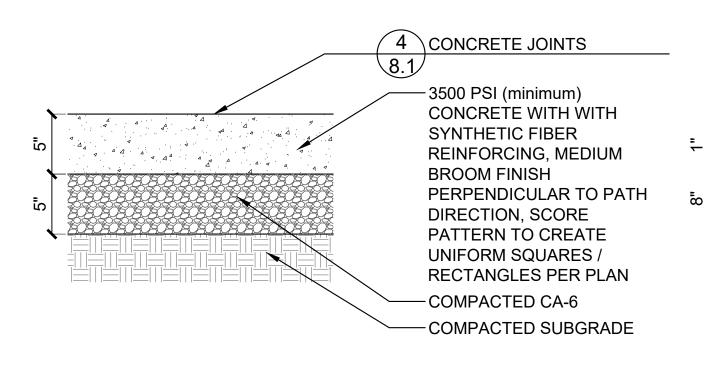
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Construction Details

SHEET NUMBER

8.0



Concrete Paving SCALE: 1 1/2" = 1'-0"

d-conc pay-5 8

- 1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- 2. INTEGRAL COLOR AS MANUFACTURED BY BUTTERFIELD COLOR OR APPROVED EQUAL.
- 3. CONTRACTOR SHALL APPLY BUTTERFIELD COLOR SELECT GRADE ANTIQUING RELEASE, COLOR: WALNUT AND SILANE / SILOXANE SEALER.
- -CONCRETE PAVING, 4. SUBMIT ALL COLOR SAMPLES FOR APPROVAL BY/ UNI-MIX SELECT GRADE OWNER'S REPRESENTATIVE FOR APPROVAL

COLOR: WALNUT TAUPE 4 CONCRETE JOINTS -3500 PSI (minimum) **CONCRETE WITH WITH** SYNTHETIC FIBER REINFORCING, MEDIUM **BROOM FINISH** PERPENDICULAR TO PATH DIRECTION, SCORE PATTERN TO CREATE UNIFORM SQUARES / RECTANGLES PER PLAN -COMPACTED CA-6

-COMPACTED SUBGRADE

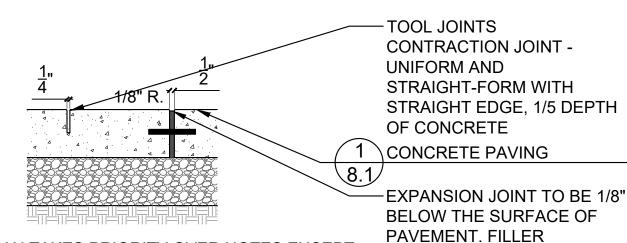
MATERIAL TO BE 1/2" OR 3/4"

THICK AS PER REFERENCED

Concrete Paving - Colored d-conc pav-5_8

4 CONCRETE JOINTS CONCRETE PAVING MEDIUM **BROOM FINISH** ⁻#5 REBAR, 10" O.C. **CENTERED IN SLAB** 3" CLEAR, ALL SIDES REBAR CHAIRS, 1'-0" O.C. OR PER MANUFACTURER TX160 GEOGRID TO BE **INSTALLED BENEATH ALL** CONCRETE PAVING, SEE SPECIFICATIONS - COMPACTED CA-6 **NOTE: CONCRETE TO** COMPACTED SUBGRADE OR BE 4000 PSI MINIMUM UNDISTUREBED SUBGRADE

Heavy Duty Concrete Paving SCALE: 1 1/2"=1'-0"



NOTES

- 1. JOINTS PLAN TAKES PRIORITY OVER NOTES EXCEPT FOR MAXIMUM SPACING.
- 2. CONTRACTION JOINTS TO BE PLACED 10' O.C. MAXIMUM SPECIFICATION. 3. EXPANSION JOINTS TO BE PLACED 30' O.C. MAXIMUM
- 4. PLACE EXPANSION JOINTS BETWEEN NEW CONCRETE POURS AND INSTALL 8" EPOXY COATED BARS, 12" O.C.
- 5. CURB JOINTS TO MATCH CONCRETE PAVING WHERE **APPLICABLE**
- 6. INSTALL SMOOTH DOWELS AT EXPANSION JOINTS
- 7. NO 'CALIFORNIA JOINTS'

Concrete Joints d-conc_joints_8.dwg

FABRIC, OVERLAP SEAMS 12" MIN.; WRAP UP SIDES TO MIDDLE OF PAVER COMPACTED SUBGRADE Unit Paving - Pedestrian

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

COMPACTED SOIL PERIMETER DRAINAGE VOID - TOPSOIL, SAND. AND LAWN SEED TURFSTONE UNIT AS MANUFACTURED BY **UNILOCK** PATTERN: TURFSTONE A **COLOR: NATURAL** BEDDING SAND CA-7 BASE COURSE, NO NOTE: COMPACT BASE **COURSES WITH LARGE** PLATE COMPACTOR IN AREAS WHERE ROLLER WILL NOT FIT NON-WOVEN GEO-TEXTILE SUBGRADE NOTES: OVERLAP 6" AT SEAMS 1. COMPACT SUBGRADE PREPARED SUB GRADE 2. PERFORM PROOF ROLL W/ OWNER 3. CORRECT ANY SUBGRADE PROBLEMS

Turfstone

4. PERFORM PROOF ROLL (2ND TIME)

d-paver-turfstone 12

UNIT PAVER, SEE PLANS FOR PAVING PATTERN

FLUSH CURB AT UNIT

SAND SETTING BED

PAVING

JOINT SAND: TECHNISEAL HP

NEXTGEL POLYMERIC SAND

AGGREGATE BASE COURSE

CA-6 PLACED & COMPACTED

6 OZ NON WOVEN FILTER

BASE BID NOTES: PRECAST

1/8" MAX. SANDBLASTED ETCH LOGO AND EPOXY STAIN LOGO, COLOR: TBD

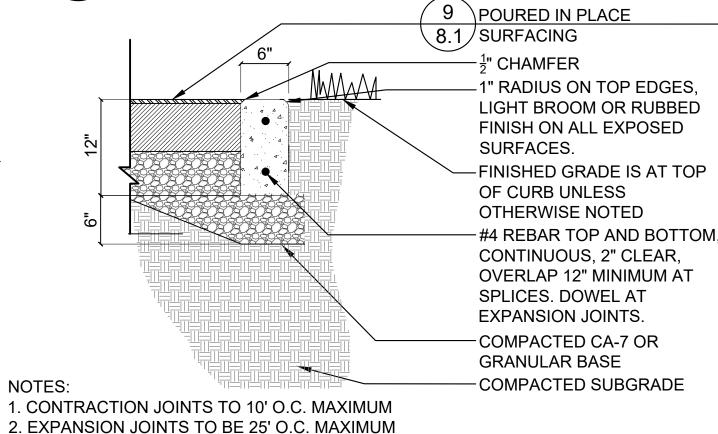
#3 REBAR 12" O.C. HORIZ. GRID BOTH WAYS, TIE WITH 6" OVERLAP WHERE TIES MEET PRECAST COLOR TO BE WHITE AS MANUFACTURED BY CUSTOM STONE WORKS 815-748-2109, OR APPROVED EQUAL



GENERAL NOTES: 1. LOGO TO BE FLUSH WITH ADJACENT PAVEMENT. **VERIFY ALL DIMENSIONS IN** FIELD. **CONTRACTOR TO SUBMIT** MATERIAL SAMPLES AND SHOP DRAWINGS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO

MANUFACTURING LOGO. ALL ITEMS TO BE FREE FROM IMPERFECTIONS, INCLUDING BUT NOT LIMITED TO CHIPPED EDGES, BROKEN CORNERS, AND CRACKS.

Precast Medallion det-conc-precast-logo



Curb at Challenge Course d-conc curb-pip 12

POURED-IN-PLACE RUBBER SURFACE WEAR COURSE, POURED-IN-PLACE RUBBER SURFACE IMPACT ATTENUATION LAYER. MEETWOVEN ASTM F-1292 FOR 4'-0" CRITICAL FALL HEIGHT -COMPACTED CA-7 -6 OZ NON-WOVEN GEOTEXTILE FABRIC, NOTE: OVERLAP EDGES 12" MIN. SEE DRAWINGS FOR COLOR COMPACTED SUBGRADE MIX AND PATTERN

Poured-in-Place Surfacing d-pip-on gravel_16.dwg

11 BOCCE BALL COURT EDGE

- ACCESSIBLE ENTRY FLUSH

WITH CONCRETE AND

COURT SURFACING

-3" WIDE WHITE LINES

/ 11\BOCCE BALL COURT EDGE

11 BOCCE BALL COURT EDGE

WITH CONCRETE AND

COURT SURFACING

- ACCESSIBLE ENTRY FLUSH

12 ARTIFICIAL TURF

—LAWN

∖8.1/6" SIDES

8_1/18" BACKBOARD

8.1/18" BACKBOARD

CENTER LINE

CENTER LINE

CENTER LINE

ARTIFICIAL TURF 2x4 NAILERS TO SECURED WITH TAPCON SCREWS **ONTO CURB AROUND** PERIMETER OF ENTIRE 6 OZ NON — **BOCCE COURT** -CONCRETE CURB **GEOTEXTILE** FABRIC, WRAP 1 CONCRETE PAVING 3" MIN AT 8.1 **EDGES** #4 REBAR TOP AND BOTTOM CONTINUOUS, 2" CLEAR, **OVERLAP 12" MINIMUM AT** SPLICES. DOWEL AT **EXPANSION JOINTS.** LIMESTONE **SCREENING** -CA-7 BASE COURSE, NO COMPACTED **FINES** -COMPACTED CA-6 OR **GRANULAR BASE** -COMPACTED SUBGRADE 1. CONTRACTION JOINTS TO 10' O.C. MAXIMUM 2. EXPANSION JOINTS TO BE 30' O.C. MAXIMUM

Bocce Ball Court Edge
SCALE: 1"=1'-0" d-bocce ball court edge 12

-1.125" TURF PILE HEIGHT WITH \(\frac{3}{4} \)" EXPOSURE - 2" MIN. VULCAN MCCOOK 210 OR EQUAL GRANULAR MATERIAL -12" HDPE COMPOSITE DRAIN SUBGRADE SLOPED PER **GRADING PLANS** -COMPACTED CA-7 DRAINAGE AGGREGATE. DEPTH VARIES, SEE SECTION 6 OZ NON WOVEN FILTER FABRIC, OVERLAP SEAMS COMPACTED SUBGRADE SLOPED TO DRAIN

Artificial Turf

SCALE: 1/2"=1'-0" det-Turf Section

FOUR SQUARE LINES TO BE 4" WIDE WHITE. SQUARES TO BE PAINTED ALTERNATING BLUE AND GREEN. **OUTLINES SHALL BE 2" WIDE** WHITE STRIPES. NUMBERS SHALL BE 9" TALL 74' MII ALL SQUARES, CATERPILLER SECTIONS AND FLOWER PETALS SHALL BE FILLED WITH VARIOUS COLORS RED, YELLOW, ORANGE BLUE, GREEN & PURPLE LAYOUT APPROVED BY OWNER.

Bocce Ball Court Layout
SCALE: 1/8"=1'-0"

Painted Games OF 7 DAYS d-play-painted games__more12.dwg

APPLY GAME PAINT AFTER

ASPHALT HAS CURED A MIN

CATERPILLAR

HOPSCOTCH



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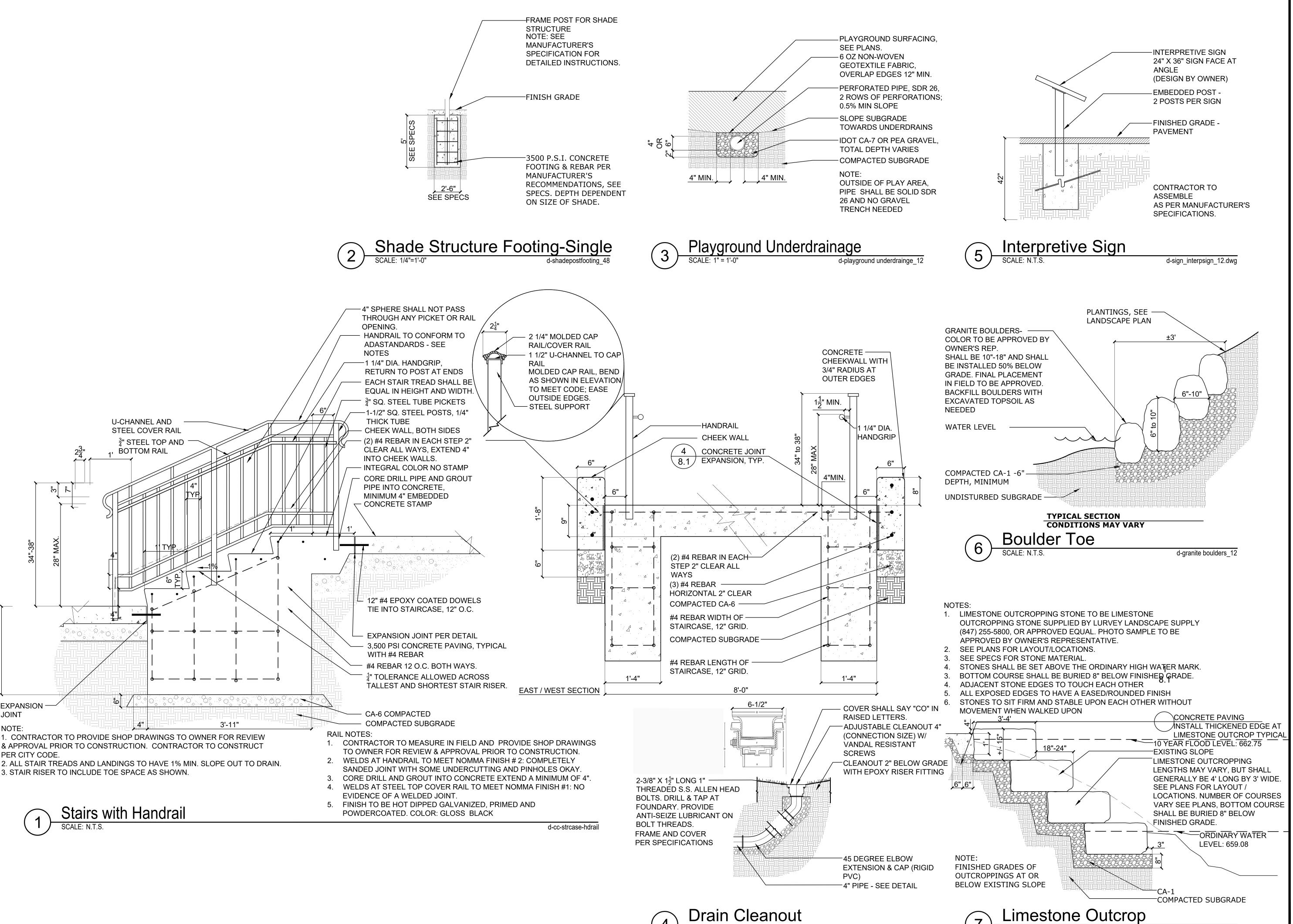
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SHEET TITLE

Construction **Details**

SHEET NUMBER

8.1



d-drain cleanout 16

U-CHANNEL AND

BOTTOM RAIL

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO OWNER FOR REVIEW

& APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR TO CONSTRUCT

Stairs with Handrail

SCALE: N.T.S.

3. STAIR RISER TO INCLUDE TOE SPACE AS SHOWN.

EXPANSION

PER CITY CODE.

JOINT

STEEL COVER RAIL

 $\frac{3}{4}$ " STEEL TOP AND

3'-11"

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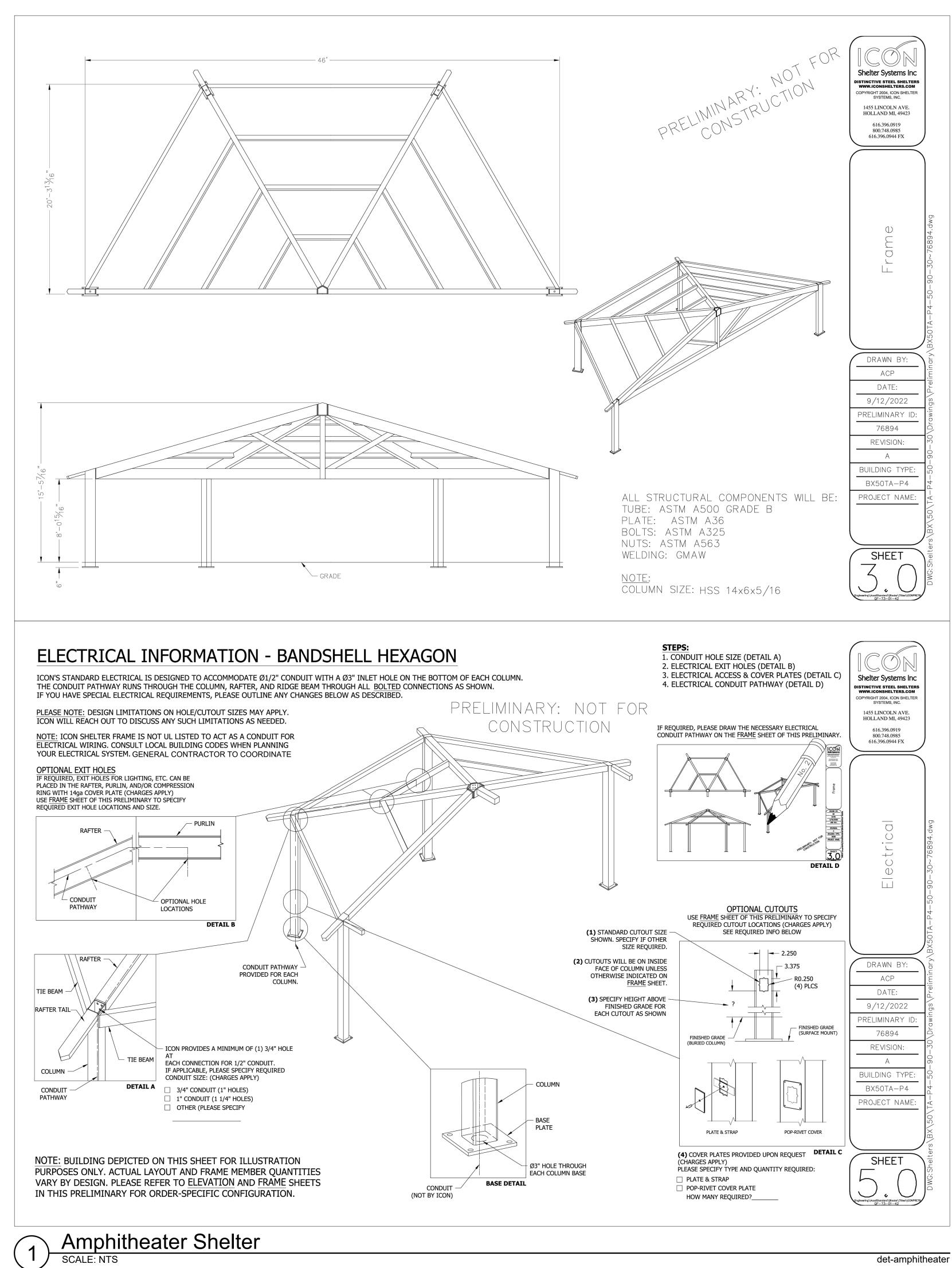
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SHEET TITLE

Construction **Details**

SHEET NUMBER

d-plant_3 limestone outcrop_16.dwg



19 62
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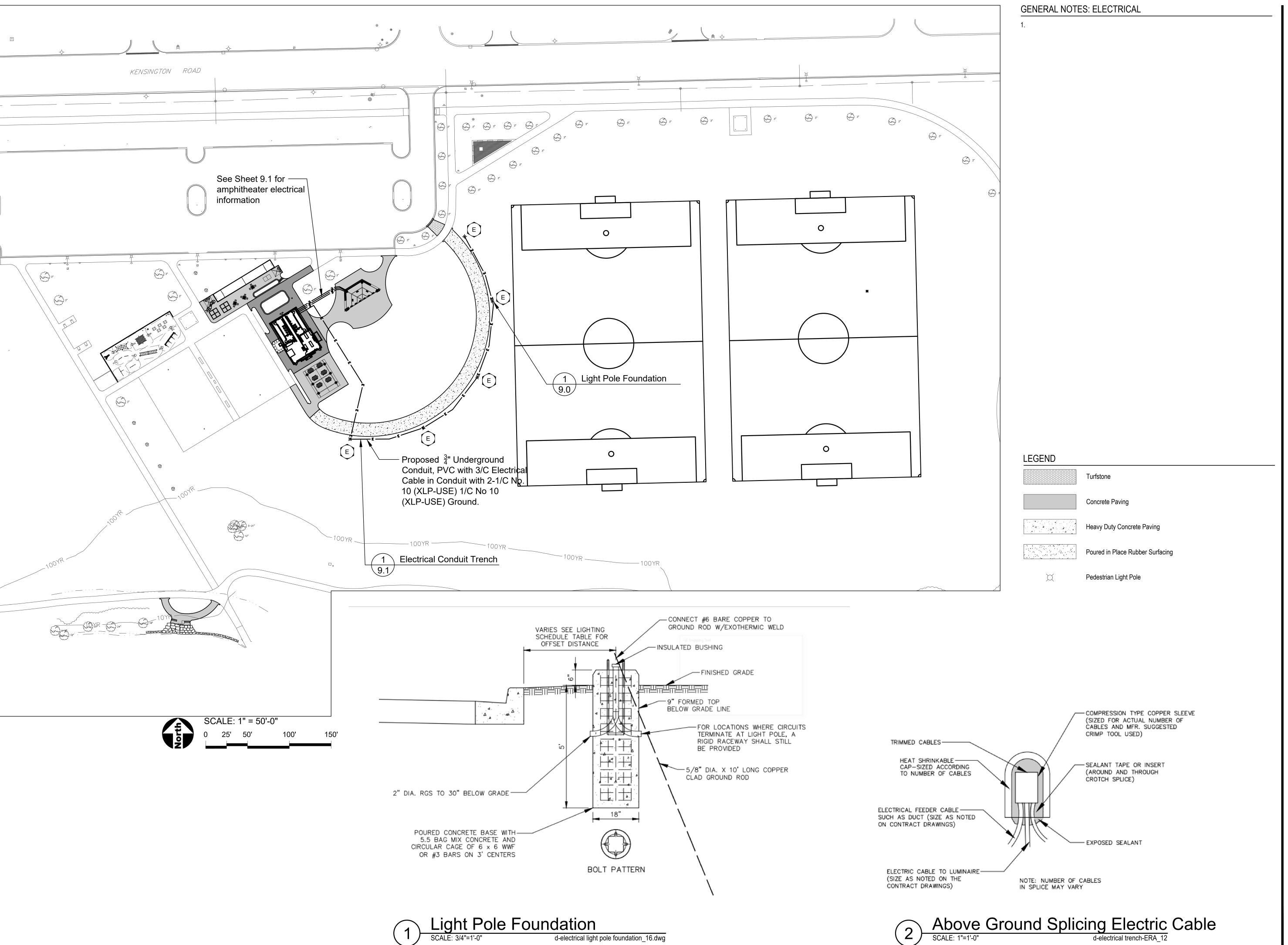
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8.3



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PROJECT NUMBER

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SHEET TITLE

Electrical Plan - Overall

SHEET NUMBER

9.0

GENERAL NOTES: ELECTRICAL

1. See Sheet 9.0 for Electrical Notes.

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Manufacturer Supplier

US Architectural

4329

(954) 577-4455

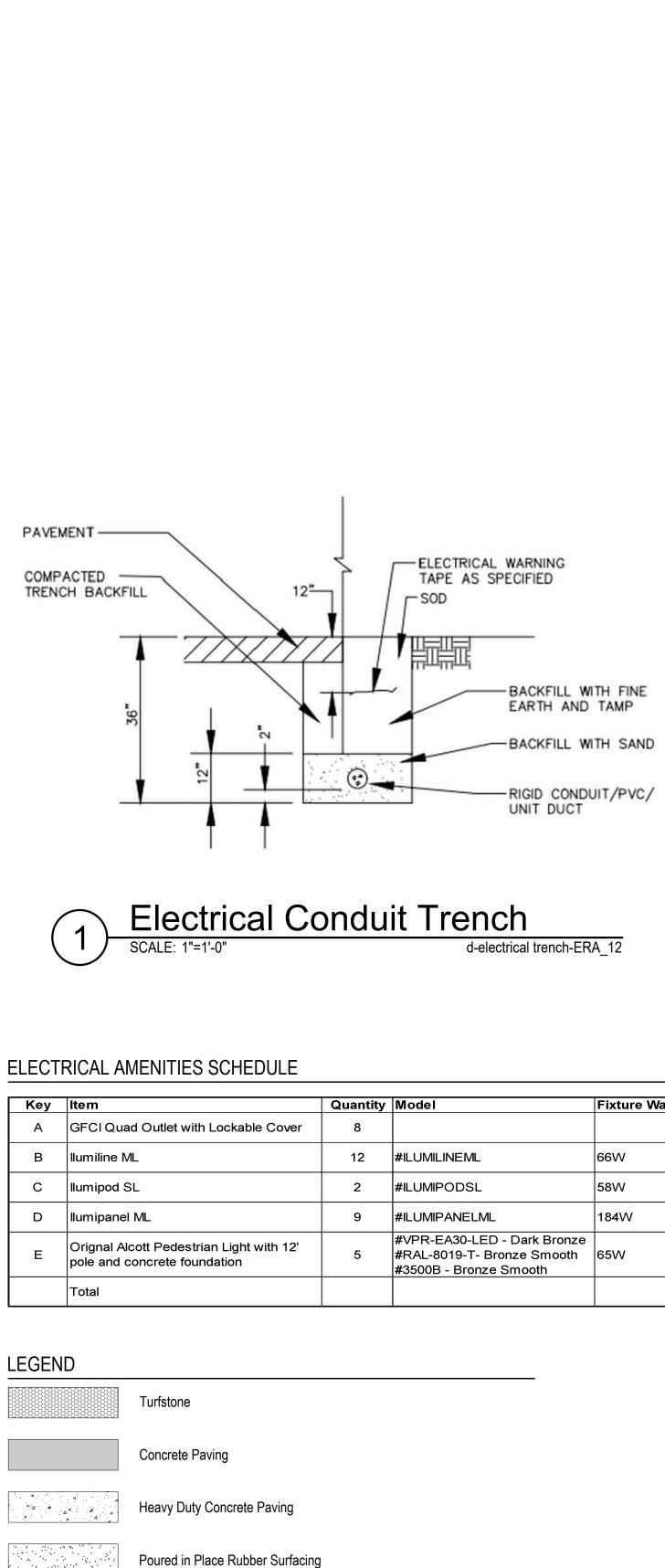
US Architectura

IFFT TITI F

Electrical Plan - Shelter / Amphitheater

SHEET NUMBER

9.1



CODE INFORMATION

- 2015 INTERNATIONAL BUILDING CODE W/ AMENDMENTS
- 2015 INTERNATIONAL MECHANICAL CODE W/ AMENDMENTS 2014 NATIONAL ELECTRIC CODE (N.E.C.) w/ AMENDMENTS
- 2015 INTERNATIONAL PLUMBING CODE (INCLUDING APPENDIX CHAPTERS C AND F)
- 2014 ILLINOIS STATE PLUMBING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL FUEL GAS CODE BY REFERENCE 2018 INTERNATIONAL ENERGY CONSERVATION CODE W/ ILLINOIS STATE AMENDMENTS
- 2000 LIFE SAFETY CODE, NFPA #101
- ILLINOIS ACCESSIBILITY CODE CURRENT EDITION

PROJECT DATA

JURISDICTION: OAK BROOK, ILLINOIS, DUPAGE COUNTY BUILDING HEIGHT: 22'-2"

TYPE OF CONSTRUCTION: V-B FIRE SUPPRESSION:

VICINITY MAP

BUILDING AREA: 1,088 SQ. FT. AREA OF CONSTRUCTION: 1,088 SQ. FT.

GENERAL NOTES

CODES, REFERENCES & MISCELLANEOUS NOTES

- ALL CONSTRUCTION AND MATERIALS USED SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF ALL APPLICABLE CODES AS LISTED ON THIS SHEET AND ALL OTHER APPLICABLE MUNICIPAL, STATE, AND FEDERAL REGULATIONS HAVING JURISDICTION.
- JURISDICTIONAL APPROVAL OF ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL DOCUMENTS IS PROVIDED BY ARCHITECT. G.C. TO OBTAIN AND PAY FOR FINAL PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
- REVIEW DOCUMENTS, VERIFY DIMENSIONS / FIELD CONDITIONS, AND CONFIRM WORK IS BUILDABLE AS SHOWN, REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
- 4. ALL WORK TO BE PERFORMED BY SKILLED CRAFTSMEN CAPABLE OF PROVIDING THE DESIGN INTENT. FINAL SAY OF INSTALLED QUALITY IS AT THE SOLE DISCRETION OF THE DESIGN PROFESSIONAL.
- SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR
- 6. COORDINATE WORK WITH OWNER, INCLUDING SCHEDULING TIME, LOCATIONS FOR DELIVERIES AND BUILDING ACCESS.
- OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
- 8. PROVIDE FOR COORDINATION OF TELECOMMUNICATIONS, DATA, SECURITY SYSTEM, AND MUSIC INSTALLATIONS.
- 9. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
- 10. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.

FIRE PROTECTION NOTES

- WHEN REQUIRED PER THE PROJECT DATA TABLE, G.C. TO FURNISH A FIRE SUPPRESSION DESIGN SUBMITTAL FOR JURISDICTIONAL APPROVAL. FIRE SUPPRESSION SYSTEM(S) SHALL BE DESIGNED BY AN N.F.S.A. CERTIFIED DESIGNER AND INSTALLED BY AN N.F.P.A. LICENSED INSTALLER. G.C. RESPONSIBLE FOR COORDINATION OF ARCHITECTURAL, STRUCTURAL, AND M.E.P. DOCUMENTS. SUBMIT SHOP DRAWINGS FOR OWNER /
- G.C. TO FURNISH A FIRE ALARM DESIGN SUBMITTAL FOR JURISDICTIONAL APPROVAL. FIRE ALARM SYSTEM SHALL BE DESIGNED BY A N.I.C.E.T. CERTIFIED PROFESSIONAL AND INSTALLED BY A LICENSED CONTRACTOR. G.C. RESPONSIBLE FOR COORDINATION OF ARCHITECTURE, STRUCTURAL AND M.E.P. DOCUMENTS, SUBMIT SHOP DRAWINGS FOR OWNER / ARCHITECT REVIEW
- ALL ELEMENTS OF ASSEMBLIES PENETRATING THROUGH FIRE RESISTANCE RATED FLOORS, CEILINGS, OR WALLS, SHALL NOT LESSEN THE FIRE RESISTANCE RATING OF THE ASSEMBLY, THE GENERAL CONTRACTOR SHALL VERIFY THAT ALL PENETRATIONS ARE FIRE STOPPED WITH APPROPRIATE MEASURES, SEE M.E.P. SHEETS FOR EXACT LOCATIONS OF SUCH PENETRATIONS AND ADDITIONAL INFORMATION.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 15 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING AND ADDITIONAL FIRE EXTINGUISHERS AS REQUIRED BY LOCAL FIRE DEPARTMENT OR BUILDING INSPECTOR.
- 5. INTERIOR WALL AND CEILING FINISHES SHALL NOT EXCEED AN ENDPOINT FLAME SPREAD RATING OF:
 - EXIT ENCLOGURES AND EXIT PASSAGEWAYS A | CLASS A: FLAME SPREAD Ø 25 AND SMOKE-DEVELOPMENT Ø 450. A CLASS B: FLAME SPREAD 26 - 15 AND SMOKE-DEVELOPMENT Ø-45Ø. ROOMS AND ENCLOSED SPACES -A | CLASS C: FLAME SPREAD 16 - 200 AND SMOKE-DEVELOPMENT 0-450.
- 6. EXTERIOR GRADE THERMAL AND INTERIOR GRADE SOUND INSULATION MATERIALS AND FOAM PLASTIC BOARD INSULATION ASTM C 578, WITH MAXIMUM FLAME-SPREAD AND SMOKE DEVELOPED INDEXES OF 75 AND 450 RESPECTIVELY ASTM C 665, TYPE III (BLANKETS WITH REFLECTIVE MEMBRANE FACING) CLASS A (MEMBRANE-FACED SURFACE WITH A FLAME-SPREAD
- INDEX OF 25 OR LESS) CATEGORY I (MEMBRANE AS A VAPOR BARRIER) FACED WITH POLYPROPYLENE-SCRIM-KRAFT VAPOR
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LÍQUIDS, GAS OR HAZARDOUS SUBSTANCES SHALL COMPLY WITH
- 8. WOOD BLOCKING SHALL BE FIRE-TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

C. CONSTRUCTION NOTES

- REFER TO DRAWING G12 FOR GRAPHIC SYMBOLS, ABBREVIATIONS AND ACCESSIBILITY (ADA) INFORMATION...
- REFER TO PROJECT MANUAL (WHEN APPLICABLE) AND DOOR SCHEDULE FOR DOOR AND FINISH HARDWARE INFORMATION.
- 3. PARTITIONS ARE DIMENSIONED TO FACE OF FINISH UNLESS NOTED OTHERWISE.
- 4. DO NOT SCALE DRAWINGS. ALL NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE. NOTIFY ARCHITECT IMMEDIATELY WHERE
- 5. PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE.
- 6. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.

<u>ARCHITECT</u>

New Pavilion for:

OAK BROOK PARK DISTRICT

1315 Kensington Road

Oak Brook, Illinois

CHARLES VINCENT GEORGE ARCHITECTS, INC. 1245 E DIEHL ROAD, SUITE 101 NAPERVILLE, IL 60563 FX:: N/A CONTACT: JEFF LIETZ E-MAIL: JLIETZ@CVGARCHITECTS.COM

MEP ENGINEER

DESIGN FIRM NO:

DESIGN FIRM NO: 184-000544

WT GROUP 2675 PRATUM AVENUE HOFFMAN ESTATES, IL 60192 PH.: 224-293-6333 CONTACT: COREY STALLINGS E-MAIL: CSTALLINGS@WTGROUP.COM

OWNER

CONTACT INFORMATION

OAK BROOK PARK DISTRICT 1450 FOREST GATE ROAD OAK BROOK, IL 60523 PH: 630-645-9540 FX: N/A CONTACT: BOB JOHNSON E-MAIL: BJOHNSON@OBPARKS.ORG DESIGN FIRM NO: N/A

STRUCTURAL ENGINEER

MCCLUSKEY ENGINEERING CORPORATION 1887 HÌGH GROVE LANE NAPERVILLE, IL 60540 PH:: 630-717-5399 FX: N/A CONTACT: SCOTT STRNAD E-MAIL: SSTRNAD@MCCLUSKEENG.COM DESIGN FIRM NO:

INDEX OF DDAMINOC

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		01/06/2023											
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G1.2	CODE COMPLIANCE, ABBREVIATIONS & SYMBOLS	•											
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0.0	TITLE SHEET	•											
1.0	EXISTING CONDITIONS & REMOVALS PLAN	•											
2.0	STORMWATER POLLUTION PREVENTION PLAN	•											
2.1	STANDARD NOTES: SWPP									<u> </u>			
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DIMENSION PLAN - CHALLENGE COURSE / GAME AREA

GRADING & DRAINAGE PLAN - CHALLENGE COURSE / GAME

GRADING & DRAINAGE PLAN - SHELTER / AMPHITHEATER

DIMENSION PLAN - SHELTER / AMPHITHEATER

LANDSCAPE & RESTORATION PLAN - OVERALL

LANDSCAPE & RESTORATION PLAN - SHELTER

IRRIGATION: OVERALL TWO-WIRE SCHEMATIC

| ELECTRICAL PLAN - SHELTER / AMPHITHEATER

AMPHITHEATER WALL PLAN, ELEVATIONS & DETAIL

LANDSCAPE & RESTORATION PLAN - GAME AREA /

GRADING & DRAINAGE PLAN - OVERALL

AMPHITHEATER / FISHING OUTCROPPING

IRRIGATION : OVERALL PLAN

IRRIGATION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

EXTERIOR ELEVATIONS

FOUNDATION PLANS

ELECTRICAL PLAN

ROOF FRAMING PLANS

FOUNDATION SECTIONS & DETAILS

ROOF FRAMING SECTIONS & DETAILS

ARCHITECTURAL

FLOOR PLAN

ROOF PLAN

STRUCTURAL

ELECTRICAL

ELECTRICAL PLAN - OVERALL

BUILDING SECTIONS & DETAILS

REFLECTED CEILING PLAN

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ARCHITECTS

Naperville, Illinois 60563 630.357.2023

1245 E. Diehl Rd. Suite 101

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NO.	DATE	DESCRIPTION				
	01/06/2023	ISSUE FOR BID				

DESIGN PROFESSIONAL CERTIFICATION STATEMENT

"I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL APPLICABLE CODES INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400)."

COVER SHEET & PROJECT INFORMATION

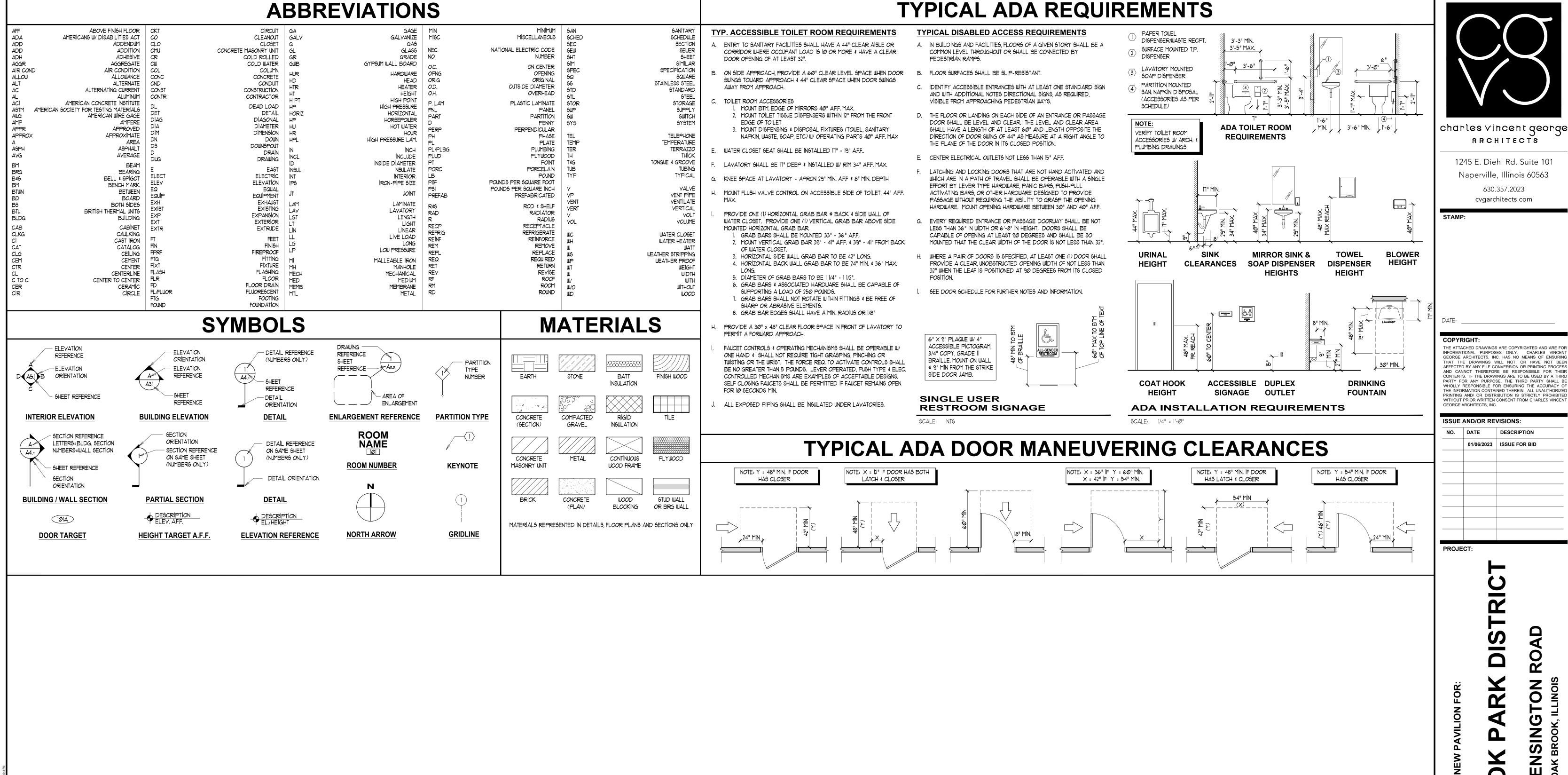
DATE: 08/04	4/2022	PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR:	DRAWN BY:	1 ~ 4 4
JBL	PS	G1.1
M:/2022/DRAWING	s/	

PROJECT LOCATION

PROJECT LOCATION



LOCATION MAP

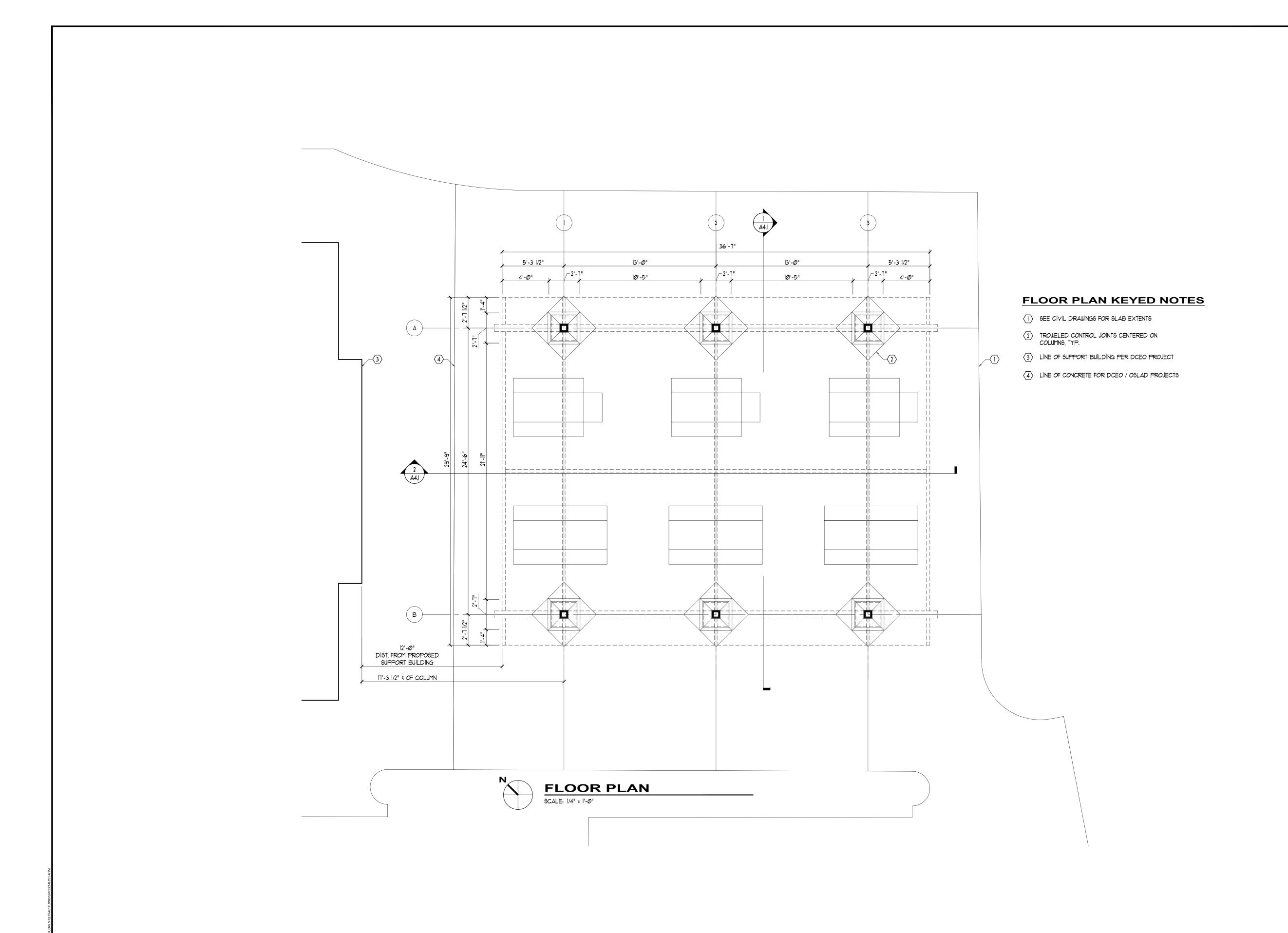


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AFFECTED BY ANY FILE CONVERSION OR PRINTING PROCESS AND CANNOT THEREFORE BE RESPONSIBLE FOR THEIR CONTENTS. IF THE DRAWINGS ARE TO BE USED BY A THIRD WHOLLY RESPONSIBLE FOR ENSURING THE ACCURACY OF THE INFORMATION CONTAINED THEREIN. ALL UNAUTHORIZED PRINTING AND/ OR DISTRIBUTION IS STRICTLY PROHIBITED

CODE COMPLIANCE, ABBREVIATIONS & SYMBOLS

DATE: 08/04/2022		PROJECT # 2022-053	
PRINCIPAL:	BFG	SHEET:	
PROJECT MGR:	DRAWN BY:	1 040	
JBL PS		G1.2	
DRAWING FILE PATH		1	
M:/2022/DRAWING			
G1.2 CODE COMPLIANCE,			





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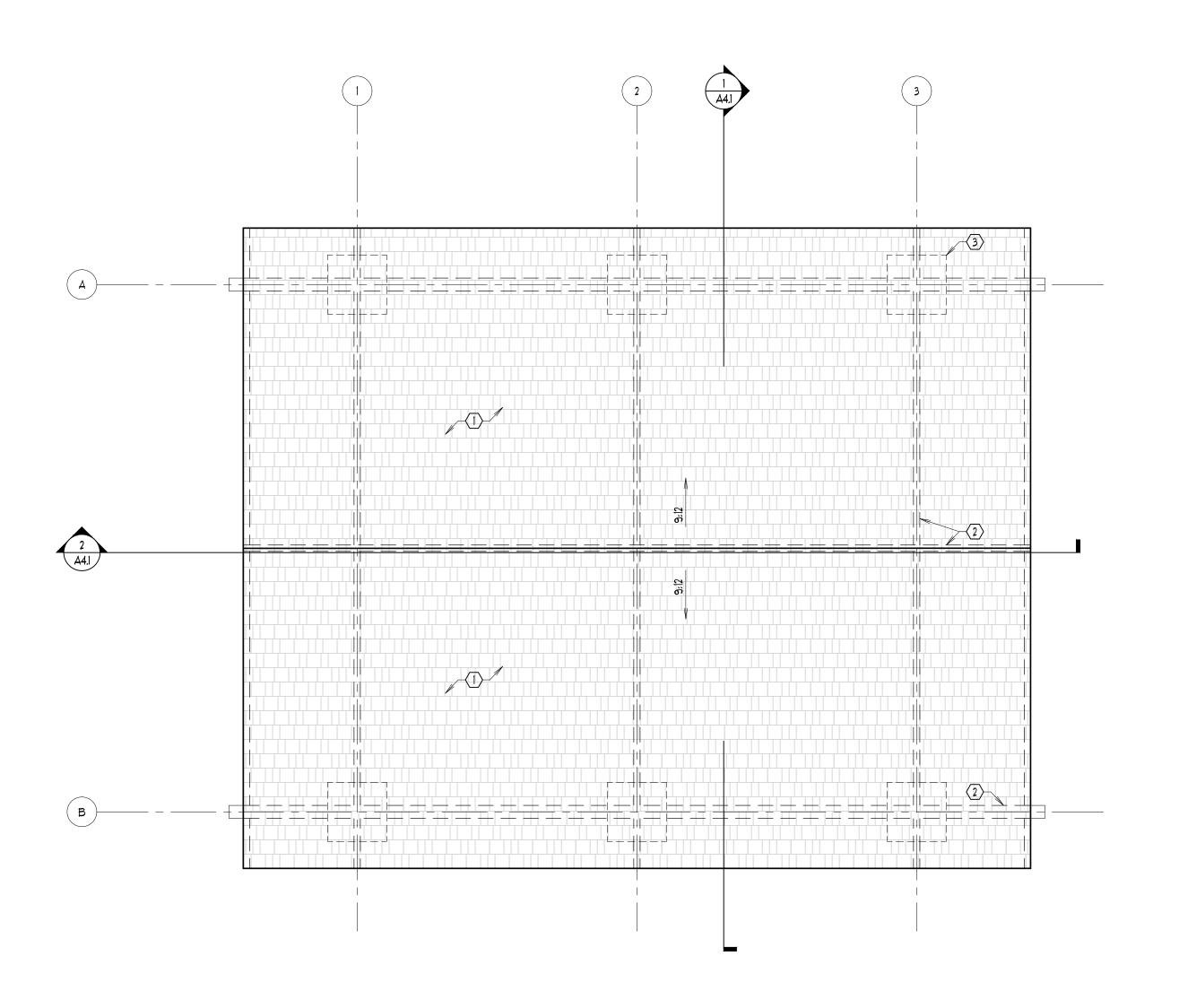
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NO.	DATE	DESCRIPTION
	01/06/2023	ISSUE FOR BID

TITLE: FLOOR PLAN

DATE: 08/04/2022		PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR: DRAWN BY: JBL PS		A2.1
DRAWING FILE PATH: M:/2022/DRAWINGS/ A2.1 FLOOR PLAN		





- ASPHALT SHINGLE ROOF ON (2) LAYERS 15* BLDG FELT W/ 35 YR FULL SYSTEM WARRANTY. SEE EXTERIOR MATERIAL LEGEND (A3.1) FOR SHINGLE SPEC.
- 2 LINE OF STRUCTURE BELOW SHOWN FOR REFERENCE, TYP.
- 3 LINE OF COLUMN BASE BELOW SHOWN FOR REFERENCE, TYP.



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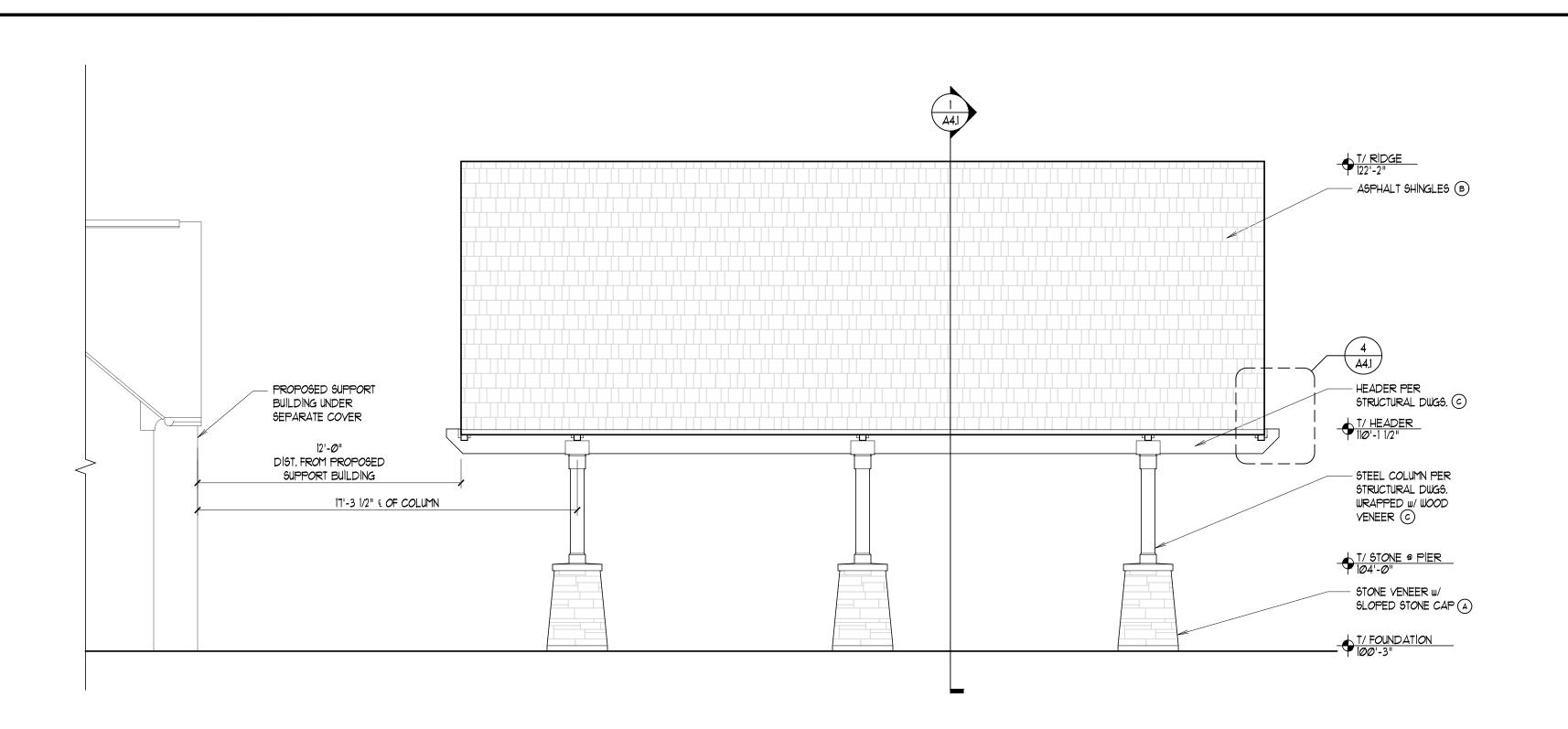
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NO.	DATE	DESCRIPTION	
	01/06/2023	ISSUE FOR BID	

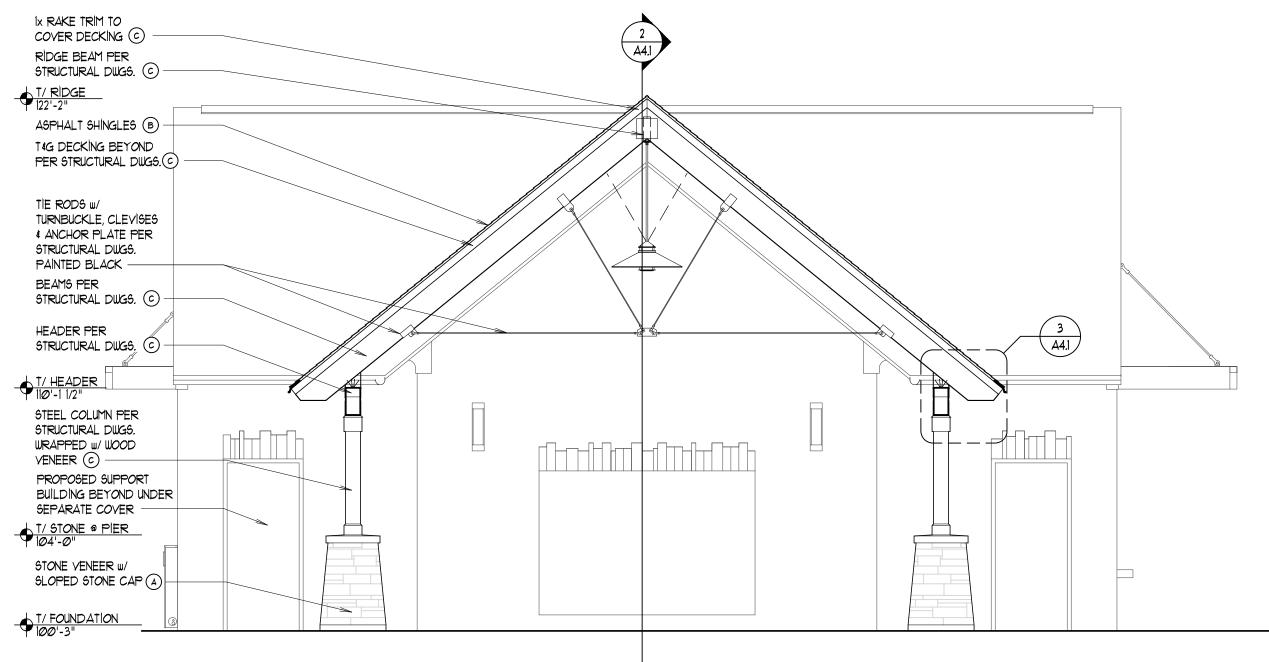
TITLE: ROOF PLAN

DATE: 08/04/2022		PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR:	DRAWN BY:	1 400
JBL	PS	I A2.2
DRAWING FILE PATH M:/2017/DRAWING A2.2 ROOF PLAN		-

ROOF PLAN

9CALE: 1/4" = 1'-0"





SOUTH ELEVATION

9CALE: 1/4" = 1'-0"

IX RAKE TRIM TO

COVER DECKING ©

ASPHALT SHİNGLES (B) —

3/4" TIE RODS w/ TURNBUCKLE, CLEVÍSES & ANCHOR PLATE PER STRUCTURAL DWGS. PAINTED BLACK -

BEAMS PER STRUCTURAL DIUGS. © —

HEADER PER STRUCTURAL DIUGS, © —

STEEL COLUMN PER STRUCTURAL DUGS, WRAPPED W/ WOOD VENEER ©

1/ STONE @ PIER 104'-0"

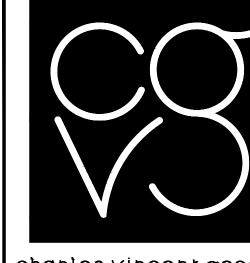
T/ FOUNDATION
100'-3"

STONE VENEER W/ SLOPED STONE CAP (A) —

+ T/ HEADER | 100'-1 1/2"

T#G DECKING BEYOND PER STRUCTURAL DWGS. ⓒ —

RIDGE BEAM PER STRUCTURAL DUGS. (c) -



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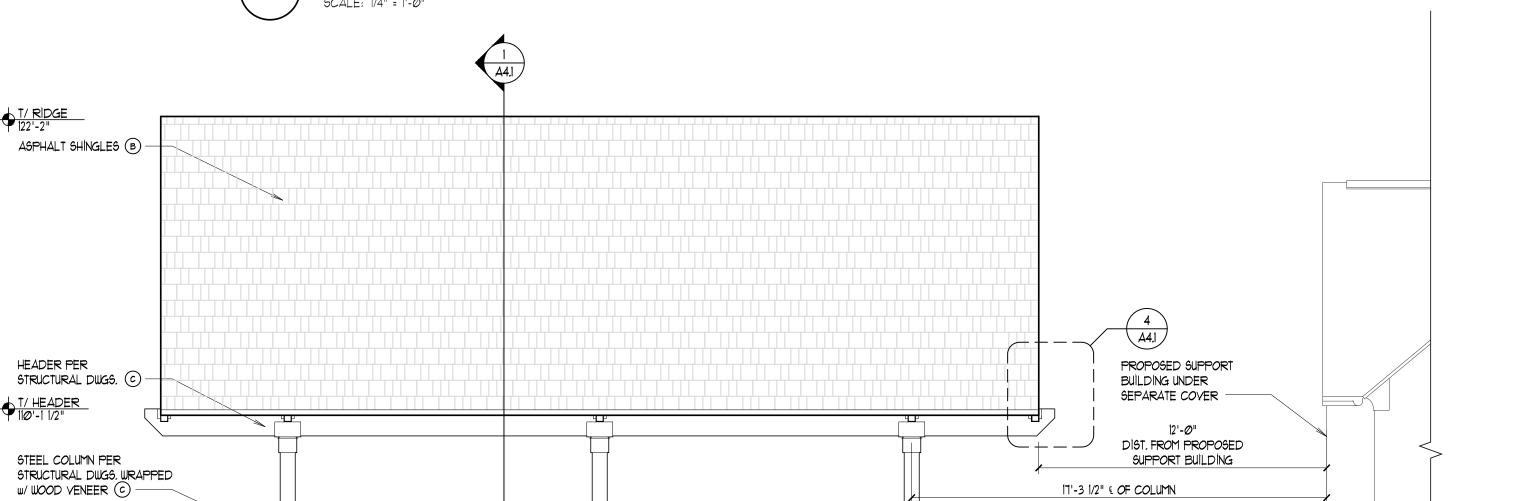
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PROJECT:

TITLE: EXTERIOR ELEVATIONS

DATE: 08/04/2022		PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR: DRAWN BY:		1 424
JBL PS DRAWING FILE PATH: M:/2022/DRAWINGS/ A3.1 EXTERIOR ELEVATIONS		A3.1



EAST ELEVATION

1/ HEADER 1/2"

1/ STONE @ PIER

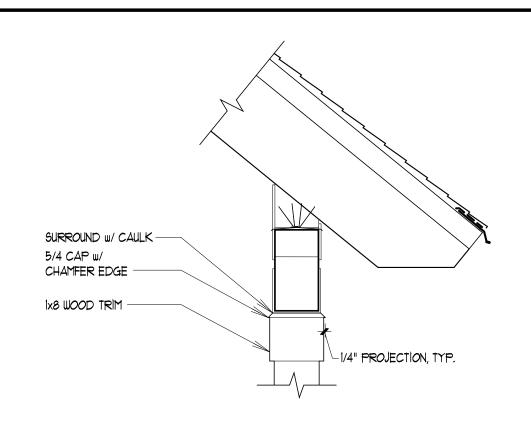
T/ FOUNDATION 100'-3"

STONE VENEER W/ SLOPED STONE CAP (A) —

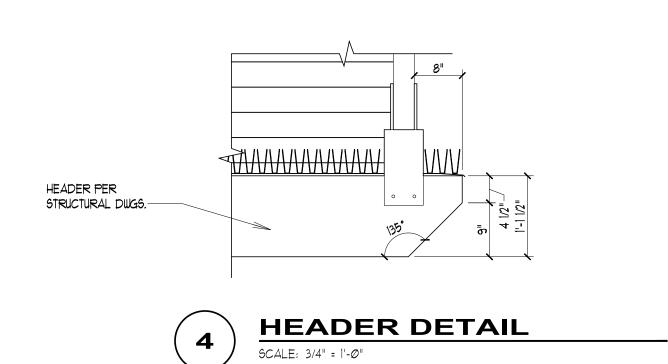
WEST ELEVATION

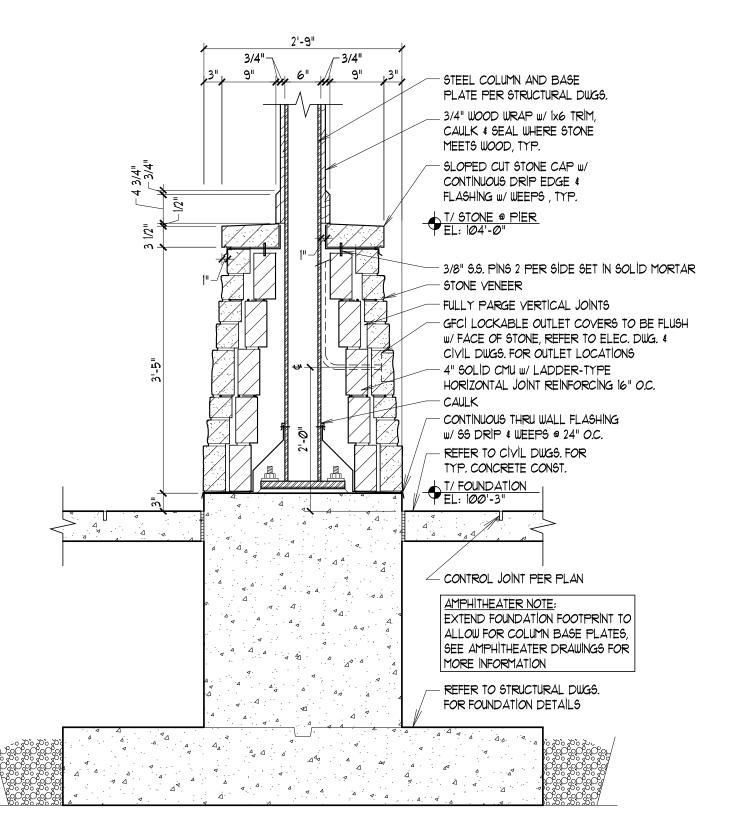
NORTH ELEVATION

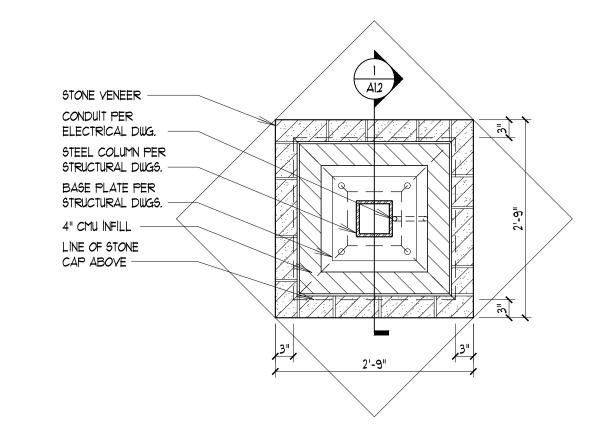
	EXTERIOR MATERIAL LEGEND				
SYMBOL	A	В	6		
MATERIAL	STONE VENEER	ASPHALT SHINGLES	STAINED WOOD		
MANUFACTURER	FOND DU LAC NATURAL STONE	GAF - TIMBERLINE HDZ	MINWAX - WOOD FINISH PER SPECS		
COLOR	FOND DU LAC LEDGESTONE 4" DEPTH	WEATHERED WOOD	WEATHERED OAK 270		
CONTACT/ REMARKS	BRICKS INCORPORATED BRENT SCHMITT 630-891-6926		RIDGE BOARD, TRUSSES, BEAMS, COLUMN WRAPS		



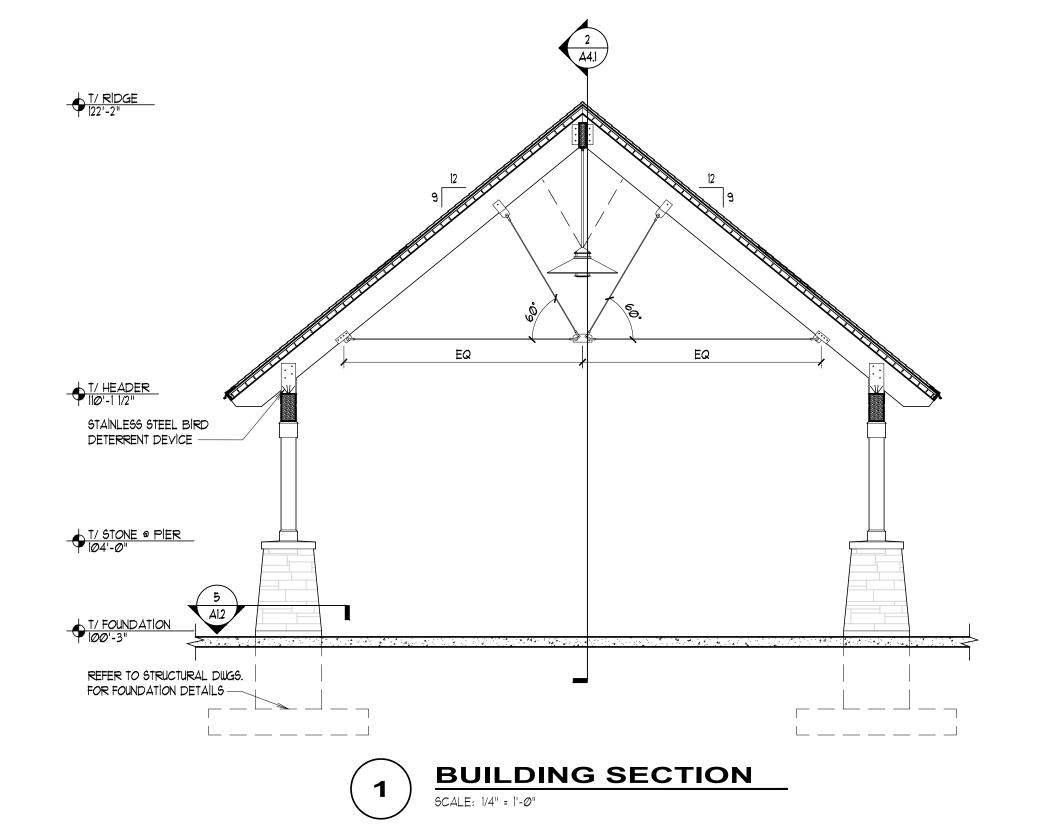
COLUMN TRIM DETAIL

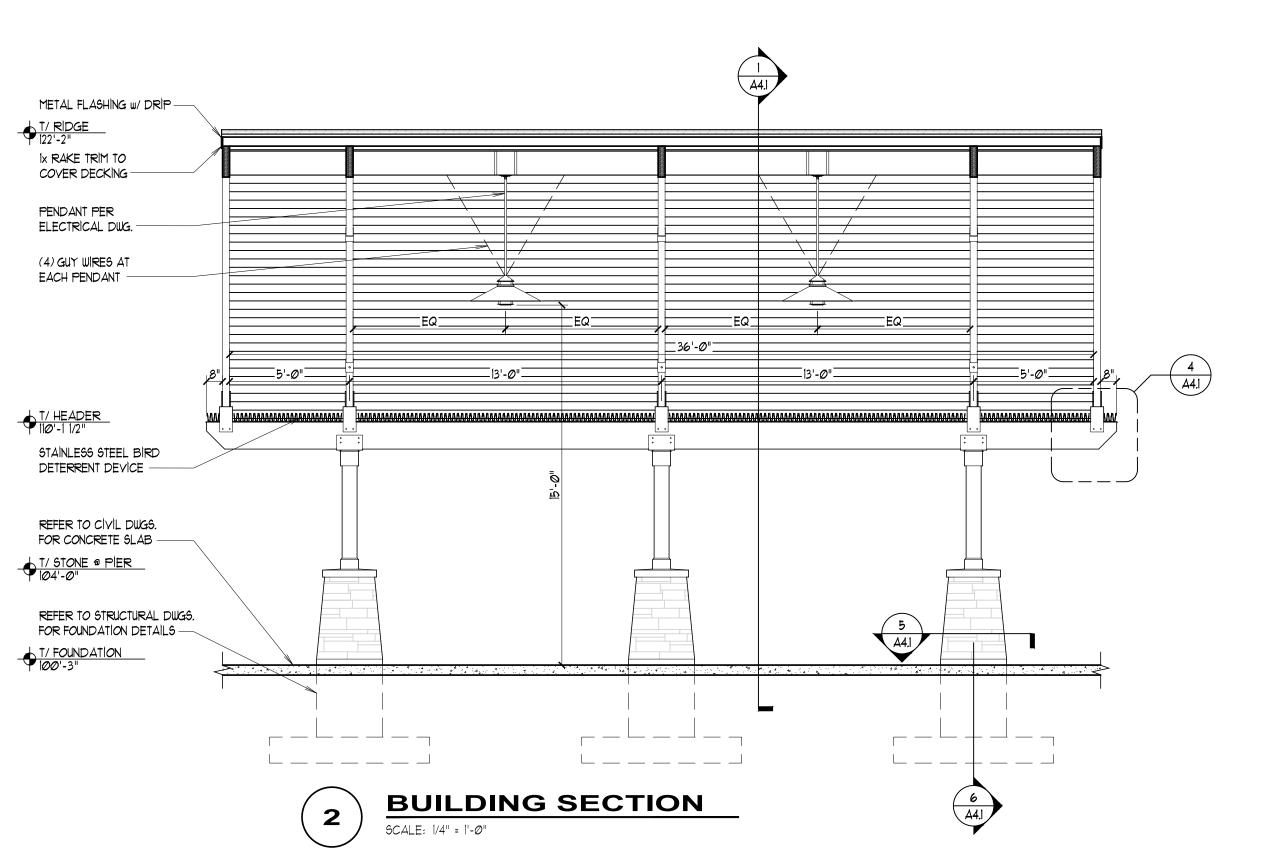






PIER PLAN DETAIL







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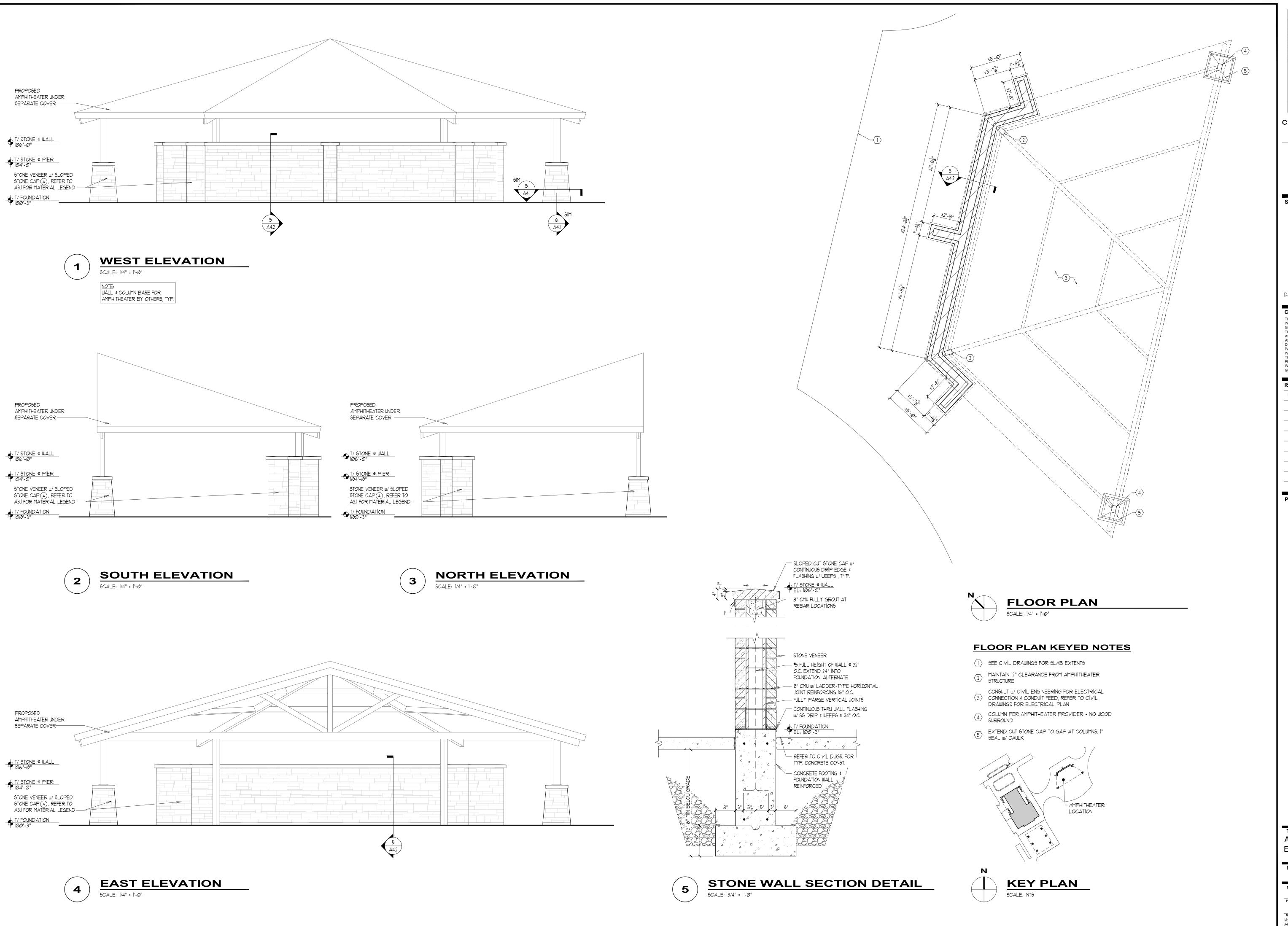
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NO.	DATE	DESCRIPTION	
	01/06/2023	ISSUE FOR BID	

PROJECT:

BUILDING SECTIONS & DETAILS

DATE: 08/04/2022		PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR:	DRAWN BY:	1
JBL PS		A4.1
DRAWING FILE PATH: M:/2022/DRAWINGS/ A4.1 BUILDING SECTIONS & DETAILS		







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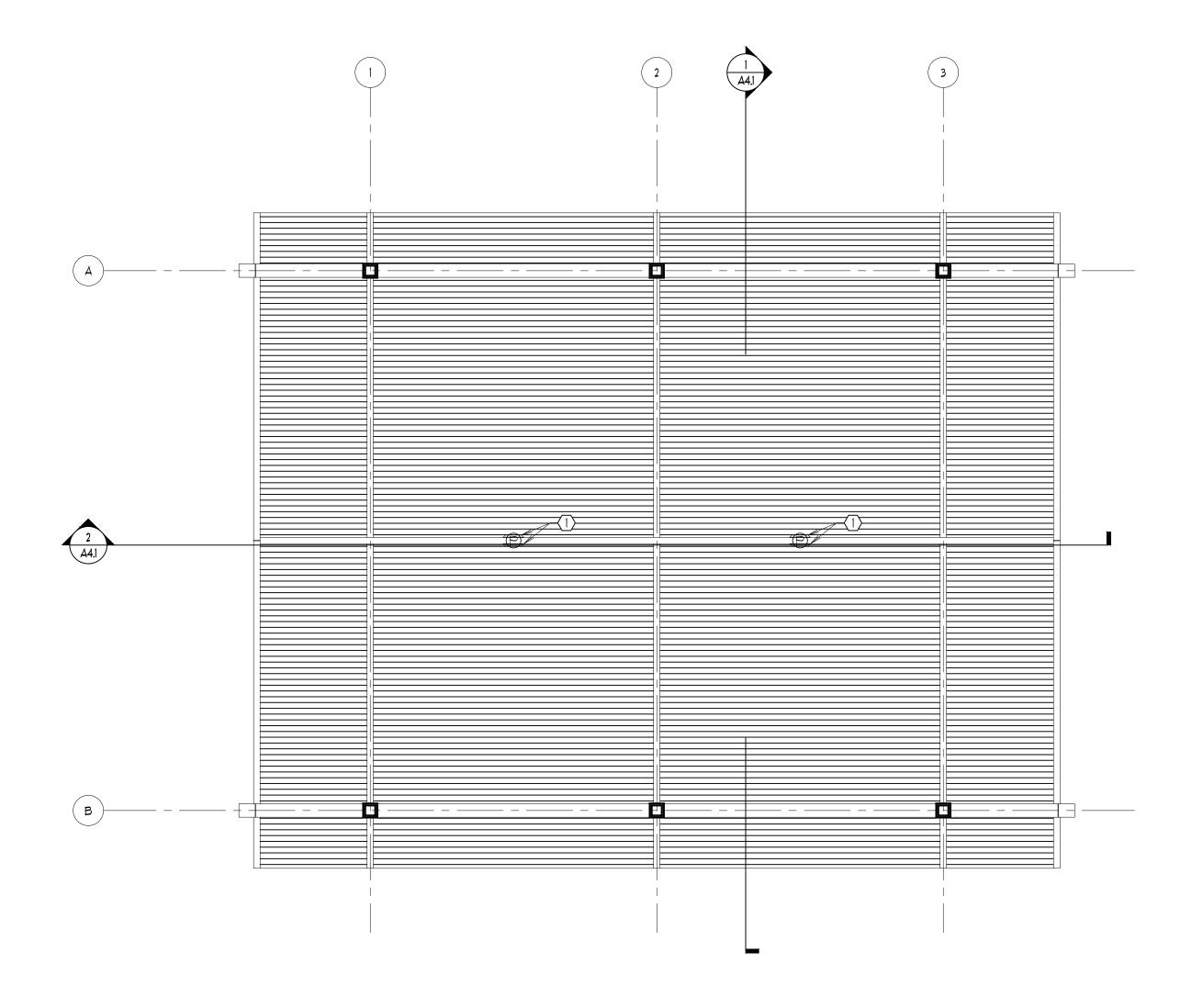
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NO.	DATE	DESCRIPTION	
	01/06/2023	ISSUE FOR BID	

PROJECT:

AMPHITHEATER WALL PLAN, **ELEVATIONS & DETAIL**

DATE: 08/04/2022		PROJECT # 2022-053
PRINCIPAL:	BFG	SHEET:
PROJECT MGR:	DRAWN BY:	A4.2
DRAWING FILE PATH M:/2022/DRAWING A4.2 AMPHITHEATE ELEVATIONS	s/	



GENERAL NOTES:

REFER TO ELECTRICAL DWGS FOR LIGHTING SCHEDULE, SWITCHING & CIRCUITING.

ELECTRICAL PLAN KEYED NOTES

MÎTER 2x12 AT LIGHTING MOUNTING PLATE

REFLECTED CEILING PLAN LEGEND		
SYMBOL	SYMBOL DESCRIPTION	
(P)	PENDANT LIGHT FIXTURE	



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ISSUE AND/OR REVISIONS:			
NO.	DATE DESCRIPTION		
	01/06/2023	ISSUE FOR BID	

TITLE:
REFLECTED CEILING PLAN

08/04	4/2022	2022-053	
PRINCIPAL: PROJECT MGR: JBL	BFG DRAWN BY: PS	SHEET: A7.1	
DRAWING FILE PATH M:/2022/DRAWING A7.1 REFLECTED (s/		



GENERAL STRUCTURAL NOTES

DESIGN AND LOADING:

1. STRUCTURAL DESIGN OF THIS BUILDING IS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2015 AND LOCAL AMENDMENTS.

2. ROOF DEAD LOAD:

ROOFING 2 PSF **MEMBRANE** 1 PSF INSULATION 2 PSF SHEATHING 2 PSF TRUSSES 3 PSF 10 PSF

3. LIVE LOADS: A. ROOF

4. SNOW LOADS: A. GROUND SNOW LOAD - Pg = 25 PSF

G. UNBALANCED SNOW LOADS:

FLAT-ROOF SNOW LOAD - Pf = 21 PSF SNOW EXPOSURE FACTOR - Ce = 1.0 SNOW LOAD IMPORTANCE FACTOR - I = 1.0 - Ct = 1.2 THERMAL FACTOR SLOPPED-ROOF FACTOR - Cs = 1.0

> - WINDWARD = 5 PSF - LEEWARD (RIDGE TO 5.25 FT) = 33 PSF- LEEWARD (5.25 FT TO EAVE) = 17.5 PSF

5. WIND LOADS:

ULTIMATE WIND SPEED 115 MPH IMPORTANCE FACTOR - 1.0 RISK CATEGORY - 11 EXPOSURE CATEGORY - B

WIND LOAD (MWFRS)- ULTIMATE - <u>+</u>26.8 PSF WIND LOAD (CC) - ULTIMATE - +20.7/-14.6 PSF (50 S.F.) ROOF TYP.

- 20 PSF

6. SEISMIC LOADS:

A. RISK CATEGORY B. SPECTRAL RESPONSE COEFF. - Sps = 0.159 - SD1 = 0.102

C. SITE CLASS – D SEISMIC DESIGN CATEGORY SEISMIC-FORCE-RESISTING SYSTEM - STRUCTURAL STEEL SYSTEMS NOT

SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE. EQUIVALENT LATERAL FORCE ANALYSIS F. ANALYSIS PROCEDURE

G. SEISMIC IMPORTANCE FACTOR - IE = 1.0 H. SEISMIC RESPONSE COEFFICIENT - Cs = 0.053

I. RESPONSE MODIFICATION FACTOR -R=3

FOUNDATIONS:

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL HAVING A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF AS RECOMMENDED BY GEOCON PROFESSIONAL SERVICES IN THEIR REPORT 22-G0696 DATED JUNE 6, 2022.

ANY LOCALIZED SOFT SOIL AND/OR FILL ZONES ENCOUNTERED AT THE BEARING LEVELS SHOULD BE FURTHER EXCAVATED TO ADEQUATE SUPPORT SOILS AND THE CAVITY BACKFILLED WITH LEAN CONCRETE. STONE OR APPROVED STRUCTURAL FILL OR THE FOOTING MAY BE POURED AT THE EXCAVATED DEPTH. THE CONTRACTORS BID SHALL PROVIDE FOR ALL WORK REQUIRED TO FOUND THE BUILDING AT THE BEARING ELEVATIONS NOTED IN THE REFERENCED SOILS REPORT. CONTRACTOR SHALL ALSO PROVIDE UNIT COSTS FOR ADDITIONAL WORK SHOULD THE ACTUAL BEARING LEVELS ENCOUNTERED BE FOUND TO BE BELOW THOSE NOTED IN THE SOILS REPORT. CONVERSELY, UNIT COSTS SHALL APPLY TO LESS WORK, SHOULD THE BEARING ELEVATIONS BE FOUND TO BE ABOVE THOSE NOTED IN THE SOILS REPORT. BEARING ELEVATIONS USED AS A BASIS FOR THE CONTRACTORS BID SHALL BE SPECIFIED IN THE BIDS.

ALL COMPACTED FILL MATERIAL SHALL BE INSPECTED AND APPROVED BY THE PROJECT SOILS ENGINEER. DEPTHS OF LIFTS, COMPACTION DENSITIES, MOISTURE CONTENTS, ETC. SHALL BE AS SPECIFIED BY THE PROJECT SOILS ENGINEER.

ALL SLAB-ON-GRADE AREAS SHALL BE PROOF ROLLED. ALL SOFT SPOTS ENCOUNTERED SHALL BE REMOVED AND REPLACED TO FINISHED GRADE WITH APPROVED FILL MATERIAL. INSPECTION, REVIEW AND COMPACTED FILL REQUIREMENTS SHALL BE BY THE PROJECT SOILS ENGINEER. CONSULT THE PROJECT SOILS ENGINEER FOR ADDITIONAL INFORMATION AND/OR REQUIREMENTS.

5. ALL EXTERIOR FOOTINGS SHALL BEAR AT FROST DEPTH BELOW FINISHED GRADE AT A MINIMUM, UNLESS NOTED OTHERWISE.

ALL BEARING STRATA MUST BE PROTECTED FROM FREEZING. THE CONTRACTOR SHALL BACKFILL AND/OR PROVIDE PROTECTION TO PREVENT FROST PENETRATION BELOW THE CONCRETE BEARING ELEVATIONS. ANY FROZEN SOIL BELOW THE FOUNDATION BEARING LEVEL MUST BE REMOVED.

CAST-IN-PLACE CONCRETE AND REINFORCING:

 ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301), LÁTEST EDITIONS.

2. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) CONCRETE AND SHALL OBTAIN MINIMUM 28-DAY COMPRESSIVE STRENGTH ÀS FOLLOWS:

> SPREAD FOOTINGS - 3000 PSI SLAB-ON-GRADE - 4000 PSI

THE COMPRESSIVE STRENGTH OF ALL GROUT USED TO PROVIDE LEVEL BEARING OF COLUMN BASE PLATES SHALL MATCH THE COMPRESSIVE STRENGTH OF THE SUPPORTING CONCRETE SUBSTRATE.

4. ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE WITH SPECIFIED STRENGTH 5000 PSI OR LESS, SHALL BE AIR ENTRAINED 6%, WITH A TOLERANCE OF 1.5%, AS DELIVERED.

CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN ANY CONCRETE.

6. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACING. IF VIBRATORS ARE USED, DO NOT OVER-VIBRATE OR TRANSPORT CONCRETE ALONG THE FORMS BY VIBRATING ..

TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN CHAPTER 16 OF ACI-301 SPECIFICATION OR PER ARCHITECTURAL SPECIFICATIONS..

CAST-IN-PLACE CONCRETE AND REINFORCING (continued):

REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM SPECIFICATION A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 315 AND 315R.

WELDING OF REINFORCING BARS IS NOT ALLOWED.

ALL EXPOSED CONCRETE WORK.

10. THE CONCRETE COVER PROVIDED FOR ALL REINFORCEMENT SHALL COMPLY WITH ACI 318, LATEST EDITION BUT SHALL NOT BE LESS THAN THE FOLLOWING MINIMUM CONCRETE COVER FOR THE REINFORCEMENT IN ALL CAST-IN-PLACE CONCRETE WORK:

A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH B) FORMED CONCRETE EXPOSED PERMANENTLY TO EARTH OR WEATHER #5 BARS OR SMALLER - 1 1/2"

#6 BARS OR GREATER

11. COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-306. HOT WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI-305.

12. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN

13. REINFORCEMENT SHALL BE CONTINUOUS ACROSS JOINTS AND AROUND CORNERS OR SPLICE BARS SHALL BE PROVIDED IN ACCORDANCE WITH ACI STANDARDS 315 AND 315R. CORNER BARS SHALL BE PROVIDED AT ALL WALL CORNERS, EQUAL TO THE HORIZONTAL WALL REINFORCEMENT.

14. REINFORCEMENT SHALL BE CONTINUOUS ACROSS JOINTS AND AROUND CORNERS OR SPLICE BARS SHALL BE PROVIDED IN ACCORDANCE WITH ACI STANDARDS 315 AND 315R. CORNER BARS SHALL BE PROVIDED AT ALL WALL CORNERS, EQUAL TO THE HORIZONTAL WALL REINFORCEMENT.

15. FOUNDATION WALLS SHALL HAVE A MINIMUM OF TWO (2) - #5 BARS TOP AND BOTTOM CONTINUOUS, UNLESS OTHERWISE SHOWN OR NOTED.

16. PLACE TWO (2) - #5 BARS (EACH FACE) WITH 2'-0" PROJECTION AROUND ALL OPENINGS IN CONCRETE, UNLESS OTHERWISE SHOWN OR NOTED.

17. CONTROL JOINTS FOR SLABS-ON-GRADE SHALL BE IN A SQUARE OR RECTANGULAR PATTERN AND SHALL BE SPACED NOT MORE THAN 15 FT. ON CENTER, UNLESS NOTED

18. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER LOCATION BEFORE PLACING CONCRETE. PITCH CONCRETE SLABS AS REQUIRED TO ALL FLOOR

19. NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK, UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION. THIS INCLUDES PUMPING THROUGH

20. EMBEDMENT LENGTHS AND LAPS SHALL BE AS REQUIRED BY ACI 318. UNLESS OTHERWISE NOTED, MINIMUM LAP TO BE 36 BAR DIAMETERS.

STRUCTURAL STEEL:

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN. FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE", LATEST EDITIONS.

STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS (UNLESS OTHERWISE

ANGLES.CHANNELS & PLATES - A-36

STRUCTURAL TUBING - A-500 GRADE B - F1554 (Fy = 36 KSI) ANCHOR BOLTS

WELDERS. PROVIDE MINIMUM WELD SIZE PER AISC J2.1 AND J2.2.

- A-325 TÝPF N STRUCTURAL BOLTS EXPANSION ANCHORS STUD TYPE, BY HILTI, OR EQUIVALENT.

F) WELDING ELECTRODES ALL WELDING ELECTRODES SHALL BE E-70XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.W.S. D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION," LATEST EDITION AND SHALL BE MADE BY QUALIFIED "CERTIFIED"

4. UNLESS OTHERWISE NOTED. ALL EXPOSED STRUCTURAL STEEL SHALL RECEIVE ONE COAT OF ZINC RICH PRIMER, AS SPECIFIED IN THE ARCHITECTURAL SPECIFICATIONS.

ALL PORTIONS OF STEEL COLUMNS EXPOSED TO EARTH SHALL HAVE A HEAVY COATING OF ASPHALTIC PAINT, SEE THE ARCHITECTURAL SPECIFICATIONS FOR REQUIREMENTS.

MISCELLANEOUS:

ALL DIMENSIONS ON STRUCTURAL DRAWINGS ARE TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND EXISTING CONDITIONS BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. AS PART OF HIS RESPONSIBILITY, THE CM/GC SHALL RETAIN THE SERVICES OF A LICENSED STRUCTURAL ENGINEER TO DESIGN AND SUPERVISE ANY SCAFFOLDING FOR WORKMEN AND ALL SHORING OF FORMS AND ELEMENTS OF CONSTRUCTION.

3. DO NOT SCALE THE DRAWINGS.

4. THE CM/GC SHALL PROVIDE AND COORDINATE THE TEMPORARY STABILIZATION AND SUPPORT OF ALL STRUCTURAL ELEMENTS DURING THE ERECTION PROCESS (E.G. TEMPORARY GUYS, BEAMS, FALSEWORK, ETC). THESE TEMPORARY SUPPORTS SHALL BE SUFFICIENT TO SECURE ALL STRUCTURAL ELEMENTS OR ANY PORTION THEREOF AGAINST LOADS THAT ARE LIKELY TO BE ENCOUNTERED DURING ERECTION, INCLUDING THOSE DUE TO WIND AND THOSE THAT RESULT FROM ERECTION OPERATIONS. THE FINAL LATERAL STABILITY OF STRUCTURE SHALL NOT BE RELIED UPON PRIOR TO THE COMPLETE ERECTION OF ALL STRUCTURAL ELEMENTS.

SHOP DRAWING SUBMITTAL & REVIEW:

REPRODUCTION OF THE STRUCTURAL DOCUMENTS BY ANY PHOTOGRAPHIC, XEROGRAPHIC, ETC., PROCESS OR TECHNIQUE FOR DIRECT INCORPORATION OF THE PLANS, DETAILS, NOTES, ETC., HEREIN CONTAINED INTO A SHOP DRAWING IS STRICTLY PROHIBITED.

ANY SHOP DRAWING OR SUBMITTAL, RECEIVED BY THE STRUCTURAL ENGINEER, WHICH HAS BEEN PRODUCED IN WHOLE, OR IN PART, BY THE ABOVE MENTIONED TECHNIQUES, SHALL

SHOP DRAWINGS OF THE STRUCTURAL ITEMS SHALL BE SUBMITTED BEFORE FABRICATION, FOR REVIEW BY THE STRUCTURAL ENGINEER. SHOULD IT BECOME EVIDENT THAT THE SHOP DRAWINGS ARE BEING SUBMITTED WITH THE APPEARANCE OF NOT HAVING BEEN PROPERLY CHECKED BY THE DETAILER, OR COMPLETED, PRIOR TO SUBMISSION, THEY WILL BE RETURNED BY THE STRUCTURAL ENGINEER, WITHOUT REVIEW, AND THE TRANSMITTAL WILL INDICATE A "NON-SUBMITTAL"

4. ALL CHANGES TO RESUBMITTED SHOP DRAWINGS SHALL BE BUBBLED.

GLU-LAM BEAMS:

ALL GLUED LAMINATED BEAMS SHALL COMPLY WITH "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED SOUTHERN PINE TIMBER". (DRY CONDITION OF USE.)

BEAMS SHALL BE COMBINATION 24F-V3 (USE COMBINATION 24F-V8 FOR CANTILEVERED BEAMS).

MATERIALS:

OUTER LAMINATIONS SOUTHERN PINE ii. CORE LAMINATIONS SOUTHERN PINE

COMBINATION 24F-V3

APPEARANCE GRADE ARCHITECTURAL EASED EDGE RADIUS 1/8" MAX.

> MINIMUM WORKING STRESSES DRY USE CONDITION: iii. FLEXURAL MEMBERS LOADED PERPENDICULAR TO WIDE FACES OF LAMINATIONS.

BENDING:

TENSION ZONE STRESSED IN TENSION, Fbxx = 2400 PSI. COMPRESSION ZONE STRESSED IN TENSION, Fbxx = 1200 PSI.

COMPRESSION PERPENDICULAR TO GRAIN: TENSION FACE, Fcxx = 740 PSI.

COMPRESSION FACE, Fcxx = 740 PSI

SHEAR PARALLEL TO GRAIN, Fvxx = 240 PSI. d. MODULUS OF ELASTICITY, E = 1,800,000 PSI.

iv. AXIALLY LOADED MEMBERS:

a. TENSION PARALLEL TO GRAIN, Ft = 1150 PSI b. COMPRESSION PARALLEL TO GRAIN, Fc = 1700 PSI c. MODULUS OF ELASTICITY, E = 1,600,000 PSI

APPEARANCE GRADE SHALL BE "ARCHITECTURAL" UNLESS OTHERWISE NOTED. USE ARCHITECTURAL INDUSTRIAL APPEARANCE GRADE IF EXPOSED.

SERVICE TEMPERATURE OF THE BUILDING SHALL NOT EXCEED 150 DEGREES FAHRENHEIT.

GLUE SHALL BE EXTERIOR TYPE AND SHALL CONFORM TO U.S. COMMERCIAL STANDARD

FABRICATOR SHALL SUBMIT A CERTIFICATE OF INSPECTION TO THE BUILDING DEPARTMENT FOR EACH BEAM AND POST PRIOR TO ERECTION.

WHERE BEAMS ARE USED IN PANELIZED ROOF STRUCTURES FABRICATOR SHALL VERIFY ADEQUACY OF ROOF DRAINAGE AND SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW.

LAMINATED MEMBERS TO BE DETAILED AND FABRICATED IN ACCORDANCE WITH U.S. COMMERCIAL STANDARD PS 56, LATEST EDITION, "STRUCTURAL GLUED LAMINATED TIMBER".

GALVANIZED OR COATED CONNECTORS SHALL BE USED FOR ALL OUTDOOR WOOD

11. ALL EXTERIOR EXPOSED WOOD SHALL BE TREATED AS PER ARCHITECTURAL SPECIFICATIONS.

ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY THE CONTRACTOR FOR THE LOADS AND/OR REACTION SHOWN. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT. FOR REVIEW, ENGINEERING CALCULATIONS OF ALL CONNECTIONS AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL TIMBER.

13. WOOD DECK SHALL BE NAILED AS FOLLOWS:

A. PERPENDICULAR SUPPORTS - FACE NAIL (2) 20d PER PLANK. B. PARALLEL SUPPORTS - FACE NAIL (2) 20d @ 4'-0" O.C.

15. ALLOWABLE UNIT STRESSES FOR LAMINATED MEMBERS:

- 2400 PSI RENDING TENSION PARALLEL TO GRAIN - 1150 PSI COMPRESSION PARALLEL TO GRAIN - 1650 PSI

COMPRESSION PERPENDICULAR TO GRAIN - 740 PSI

WOOD:

HORIZONTAL SHEAR

MINIMUM LUMBER STRESS GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:

- 260 PSI

SPRUCE PINE FIR NO.1/NO.2 OR DOUGLAS FIR LARCH NO. 2

2. PLYWOOD:

v. GRADE: C-C EXTERIOR vi. MODULUS OF ELASTICITY - 1,800,000 PSI

vii. MINIMUM WORKING STRESSES DRY USE CONDITION: a. EXTREME FIBER IN BENDING, Fb = 2000 PSI

b. TENSION IN PLANE OF PLYS. Ft = 2000 PSI c. COMPRESSION IN PLANE OF PLYS, Fc = 1640 PSI

d. SHEAR IN PLANE PERPENDICULAR TO PLYS, Fv = 190 PSI

e. SHEAR IN PLANE OF PLYS, Fs = 75 PSIf. BEARING PERPENDICULAR TO PLANE OF PLYS, Fc = 340 PSI

PLATES BEARING ON MASONRY SHALL BE PRESSURE TREATED. SILLS SHALL BE BOLTED WITH ½" DIAMETER x 8" LONG BOLTS AT 4'-0" O.C., 12" MINIMUM FROM ENDS, OR 2 BOLTS MINIMUM PER PIECE. WHERE DIFFERENT BOLT SIZES AND/OR SPACINGS ARE INDICATED, THEY SHALL GOVERN.

4. COMMON NAILS SHALL BE USED.

LAG BOLTS (& SCREWS) SHALL BE PREDRILLED TO SHANK DIAMETER AND FULL DEPTH AND SCREWED (NOT DRIVEN) INTO PLACE.

STANDARD CUT WASHERS SHALL BE PLACED UNDER HEADS AND NUTS OF ALL BOLTS BEARING ON WOOD, AND UNDER HEADS OF LAG BOLTS. ONE CUT WASHER SHALL BE USED FOR BOLTS CONNECTING WOOD LEDGERS TO CONCRETE OR MASONRY WALLS.

GALVANIZED OR COATED CONNECTORS SHALL BE USED FOR ALL OUTDOOR WOOD INSTALLATIONS.

8. ALL EXTERIOR EXPOSED WOOD SHALL BE TREATED AS PER ARCHITECTURAL SPECIFICATIONS.

MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE FASTENING SCHEDULE GIVEN IN TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE, CURRENT EDITION, IF NO OTHER CRITERIA IS GIVEN.

CONNECTORS SHOWN ON THE STRUCTURAL DETAILS ARE TO BE MANUFACTURED BY SIMPSON STRONG TIE. APPROVAL BY ENGINEER OR ARCHITECT IS REQUIRED FOR ANY

11. DO NOT NOTCH OR DRILL JOISTS, BEAMS OR LOAD BEARING STUDS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT.

AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

12. COMPLY WITH THE FOLLOWING PUBLISHED STANDARDS, LATEST EDITIONS:

B. LUMBER - AMERICAN SOFTWOOD LUMBER STANDARD (PS-20) C. PLYWOOD - CONSTRUCTION AND INDUSTRIAL PLYWOOD (PS1) D. GLUED LAMINATED BEAMS AND LAMINATED VENEER LUMBER -

STRUCTURAL SPECIAL INSPECTIONS:

1. THE OWNER WILL ENGAGE AND EMPLOY A QUALIFIED SPECIAL INSPECTION AGENCY OR AGENCIES TO CONDUCT SPECIAL INSPECTIONS OF STRUCTURAL WORK AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. AGENCIES THAT ARE CONSIDERED QUALIFIED AND ACCEPTABLE TO ACT AS SPECIAL INSPECTORS WILL BE THOSE ACCEPTABLE TO THE BUILDING OFFICIAL OF THE JURISDICTION THAT GRANTS THE BUILDING PERMIT AND THE

2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, OWNER, ARCHITECT, STRUCTURAL ENGINEER AND CONTRACTOR. REPORTS SHALL INDICATE THAT THE STRUCTURAL WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONTRACT DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED. THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, OWNER, ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS OF STRUCTURAL WORK AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE OWNER AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

3. SPECIAL INSPECTION IS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE LOCAL DEPARTMENT OF BUILDING SAFETY.

4. THE FOLLOWING TYPES OF STRUCTURAL WORK REQUIRE SPECIAL INSPECTIONS. REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOR SPECIFIC TESTING AND INSPECTING REQUIREMENTS.

STEEL CONSTRUCTION REFERENCED CONTINUOUS PERIODIC STANDARD (IBC SECTION 1705.2 AND AISC 360) STRUCTURAL STEEL SHOULD BE VERIFIED AND INSPECTED AISC 360 PER THE REFERENCED STANDARD

CONCRETE CONSTRUCTION (IBC SECTION 1705.3 AND TABLE 1705.3)	CONTINUOUS INSPECTION	PERIODIC INSPECTION	REFERENCED STANDARD	IBC REF.
INSPECTION OF REINFORCEMENT AND PLACEMENT	_	X	ACI 318: 20, 25.2, 25.3, 25.6.1-3	1908.4
INSPECTION OF ANCHORS CAST IN CONCRETE	-	X	ACI 318: 17.8.2	-
VERIFYING USE OF REQUIRED MIX DESIGN	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12	1908.10
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Х	-	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	Х	ACI 318: 26.4.7- 26.4.9	1908.9

SOIL (SECTION 1705.6 AND TABLE 1705.6)	CONTINUOUS INSPECTION	PERIODIC INSPECTION
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	Х
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	Х
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	Х
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	Х	-
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	Х



charles vincent george ARCHITECTS

cvgarchitects.com

1245 E. Diehl Rd. Suite 101 Naperville, Illinois 60563 630.357.2023 F | 630.357.2662

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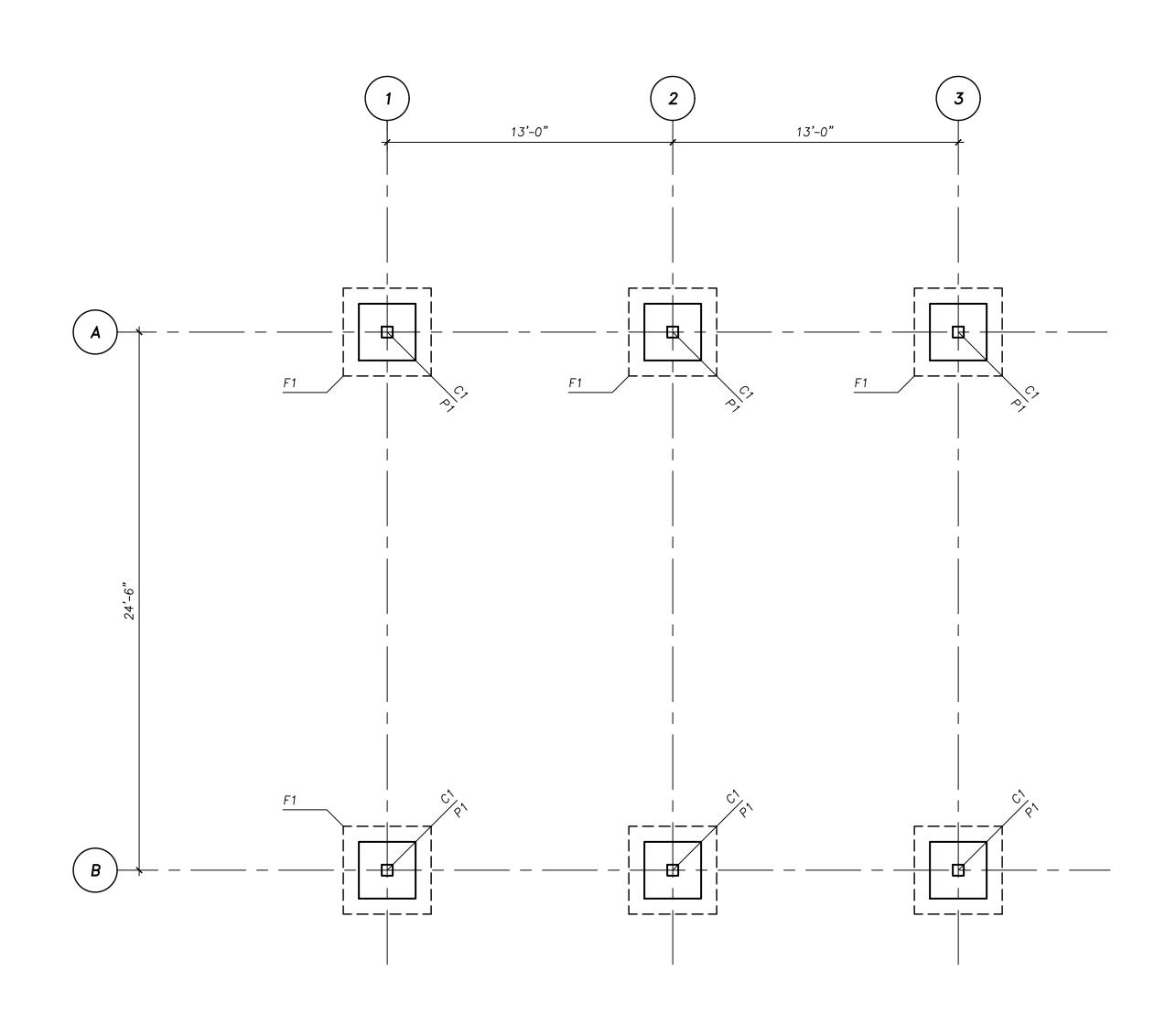
GEORGE	GEORGE ARCHITECTS, INC.			
ISSUE	ISSUE AND/OR REVISIONS:			
NO.	DATE	DESCRIPTION		
	01/06/2023	ISSUE FOR BID		

PROJECT:

GENERAL **STRUCTURAL**

ROJECT# 2022-053 11/11/22 **PRINCIPAL** SDM PROJECT MGR: DRAWN BY: S0.0 SMS CML DRAWING FILE PATH:

McCLUSKEY ENGINEERING CORPORATION STRUCTURAL ENGINEERS 1887 HIGH GROVE LANE NAPERVILLE, ILLINOIS 60540 630-717-5335 ■ FAX: 630-717-5397 © 2022 MEC JOB #: S22088 NOTES



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

- 1. FINISHED FLOOR ELEVATION = +0'-0". (USGS DATUM = SEE CIVIL DRAWINGS)
- 2. TOP OF EXTERIOR SPREAD FOOTING ELEVATION = -3'-0".
- 3. F1 DENOTES $6'-0" \times 6'-0" \times 1'-3"$ CONCRETE FOOTING W/(6) #5 EACH WAY (T & B).
- SEE DETAIL 1/S2.1 FOR ADD'L INFO.
- 4. P1 DENOTES CONCRETE PIER. SEE DETAIL 2/S2.1.
- 5. C1 DENOTES HSS6 x 6 x 1/2 COLUMN. SEE DETAIL 3/S2.1.
- 6. SEE THE FOLLOWING SHEETS FOR ADDITIONAL INFORMATION:

SHEET SO.0 GENERAL STRUCTURAL NOTES





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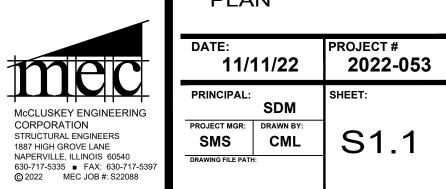
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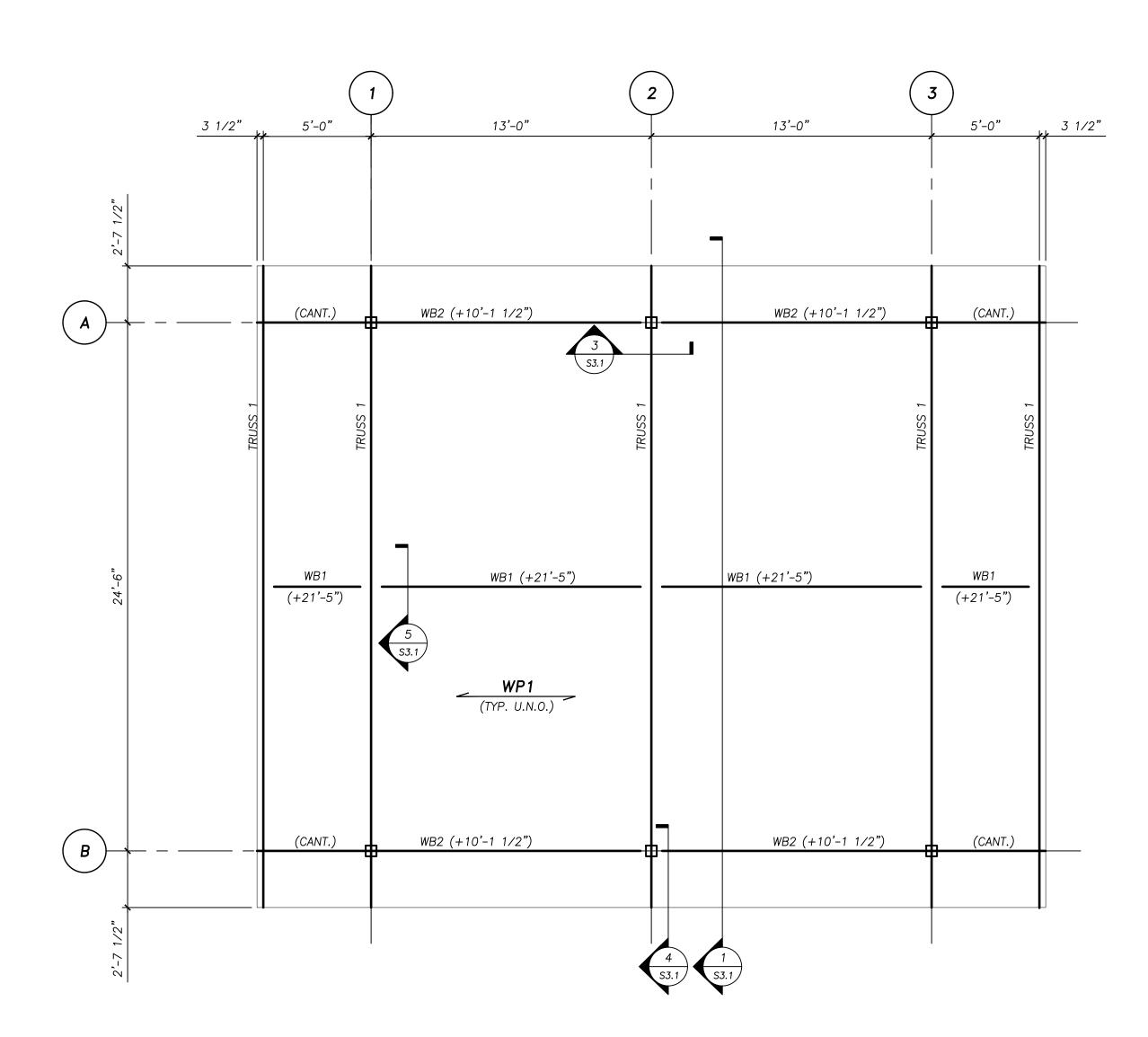
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PROJECT:

TITLE: FOUNDATION PLAN

S1.1





ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

- 1. REFER TO SHEET S1.0 FOR COLUMN MARKS.
- 2. T/WOOD BEAM ELEVATION NOTED THUS (X'-X").
- 3. WB1 DENOTES 3 $1/2" \times 12"$ GLU—LAM RIDGE BOARD. SEE DETAIL 3/S3.1 FOR CONNECTION DETAIL TO TRUSS.
- 4. WB2 DENOTES 7 $1/4" \times 13$ 1/2" GLU-LAM BEAM. SEE DETAIL 4/S3.1 FOR CONNECTION DETAIL TO HSS COLUMN.
- 5. TRUSS 1 DENOTES GLU-LAM AND STEEL TRUSS. SEE ELEVATION 1/S3.1 FOR ADD'L INFO.
- 6. SEE THE FOLLOWING SHEETS FOR ADDITIONAL INFORMATION:

GENERAL STRUCTURAL NOTES SHEET SO.0

LEGEND - ROOF FRAMING

INDICATES DIRECTION OF SPAN OF $4\times$ WOOD PLANK. FASTEN TO EACH TRUSS W/1/4" ϕ LAG SCREW (2 PER PLANK).



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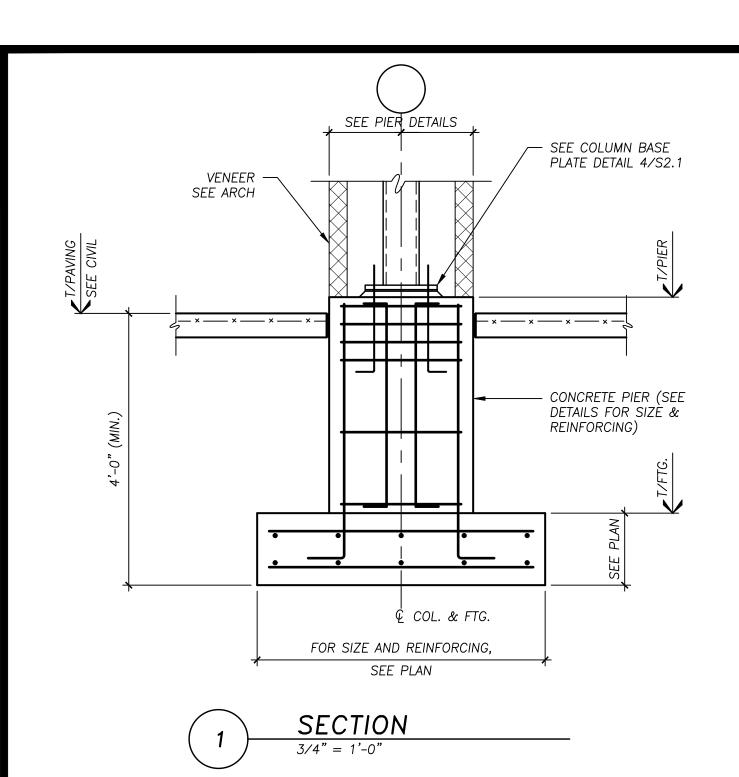
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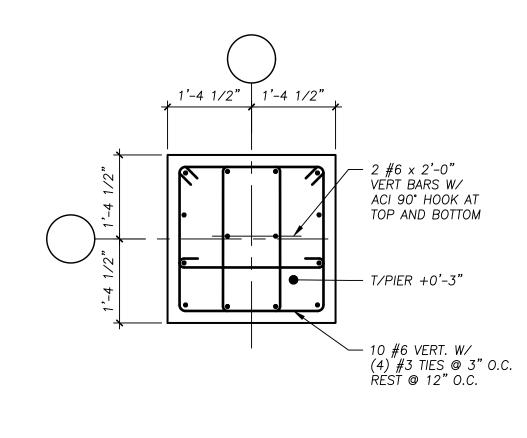
ROOF FRAMING PLAN

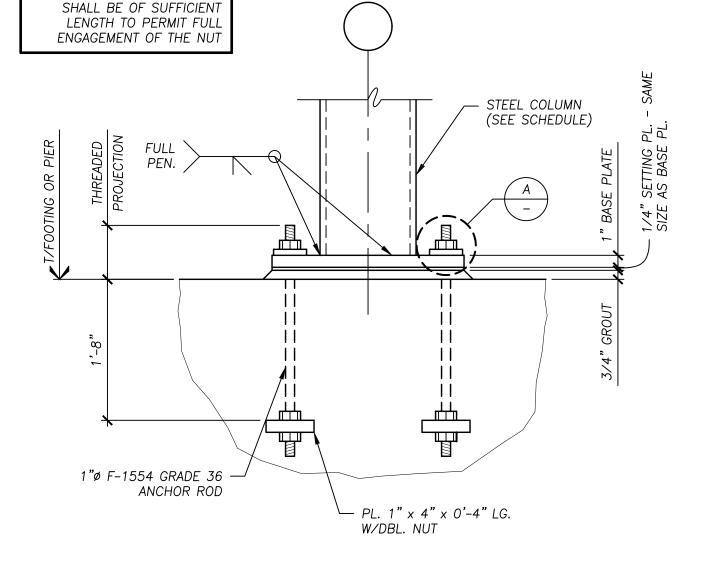
McCLUSKEY ENGINEERING

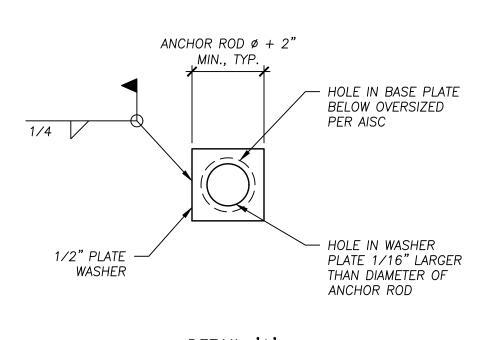
CORPORATION
STRUCTURAL ENGINEERS
1887 HIGH GROVE LANE
NAPERVILLE, ILLINOIS 60540
630-717-5335 FAX: 630-717-5397
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PROJECT# 2022-053 11/11/22 PRINCIPAL: PROJECT MGR: DRAWN BY: S1.2 SMS CML DRAWING FILE PATH:









DETAIL 'A'

CONCRETE PIER DETAIL

3/4" = 1'-0"

NOTE: THREADED PROJECTION

TYPICAL ANCHOR ROD DETAIL

1 1/2"

COLUMN BASE PLATE DETAIL

1 1/2" = 1'-0"



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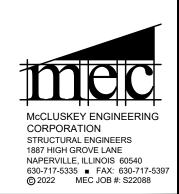
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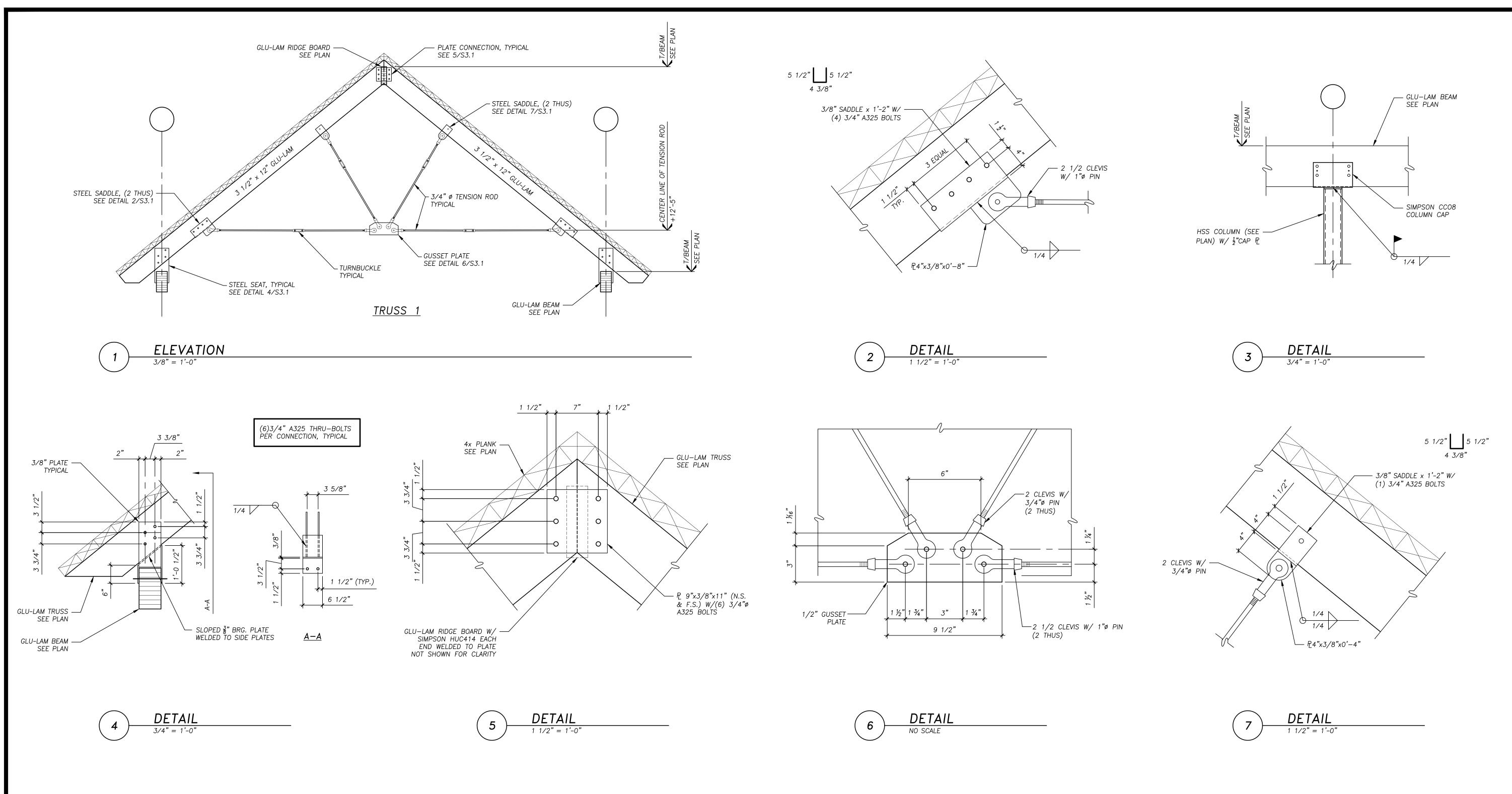
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FOUNDATION
SECTIONS
& DETAILS

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DATE: 11/	11/22	PROJECT # 2022-05
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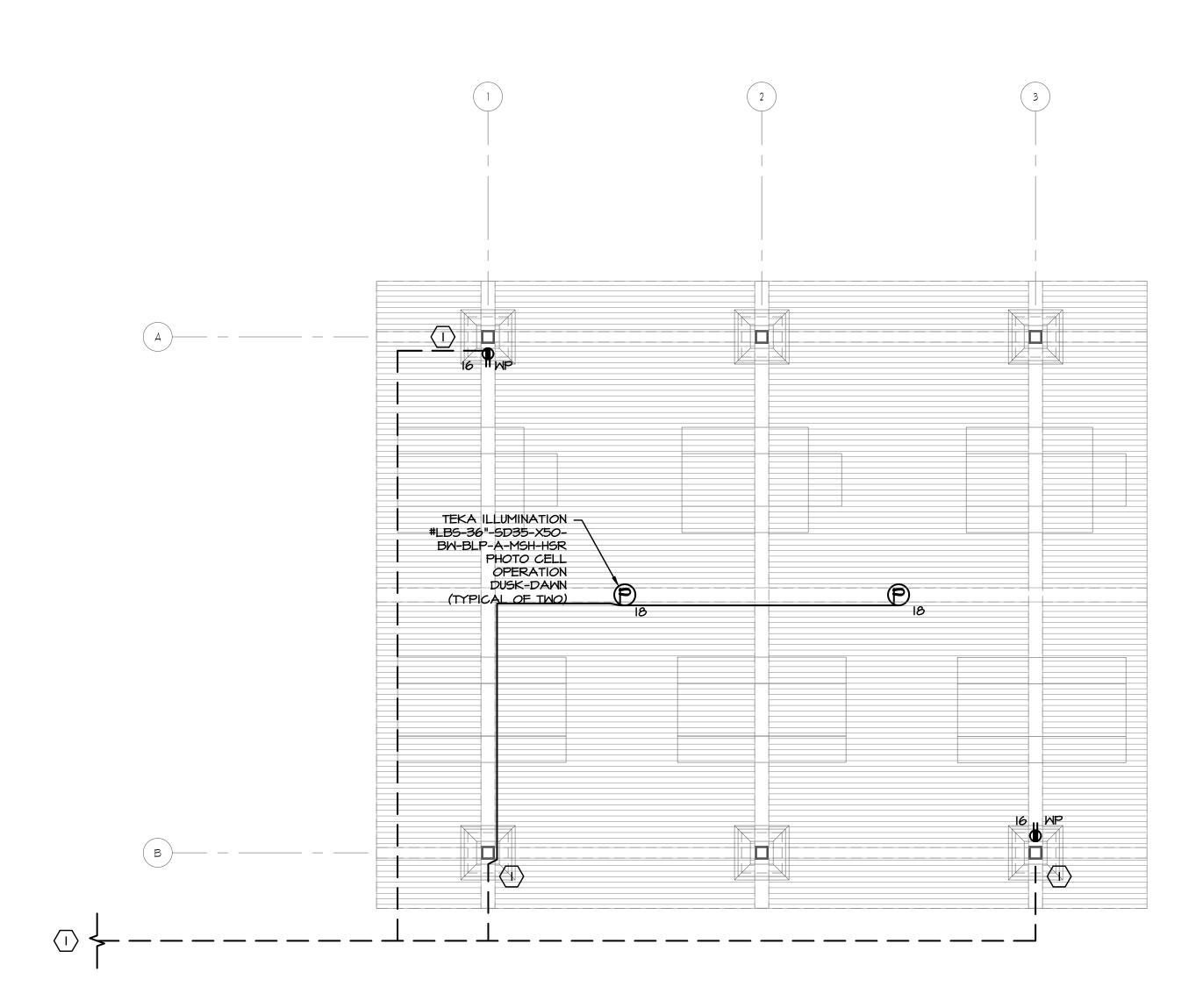
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ROOF FRAMING SECTIONS & DETAILS

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McCLUSKEY ENGINEERING	PRINCIPAL:	SDM	SHEET:
CORPORATION	PROJECT MGR:	DRAWN BY:	1
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PAVILION ELECTRICAL PLAN
9CALE: 1/4" = 1'-0"

GENERAL NOTES

I. CIRCUITS SHALL ORIGINATE FROM PANEL 'C' LOCATED IN CONCESSION BUILDING. MINIMUM WIRE SIZE SHALL BE #10 AWG.

***** KEYED NOTES

 INTERCEPT CONDUIT AND EXTEND TO NEAREST COLUMN, ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR TO COORDINATE SLEEVE THROUGH CONCRETE PIER AND UP THROUGH MASONRY.



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PROJECT

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TITLE: ELECTRICAL PLAN

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