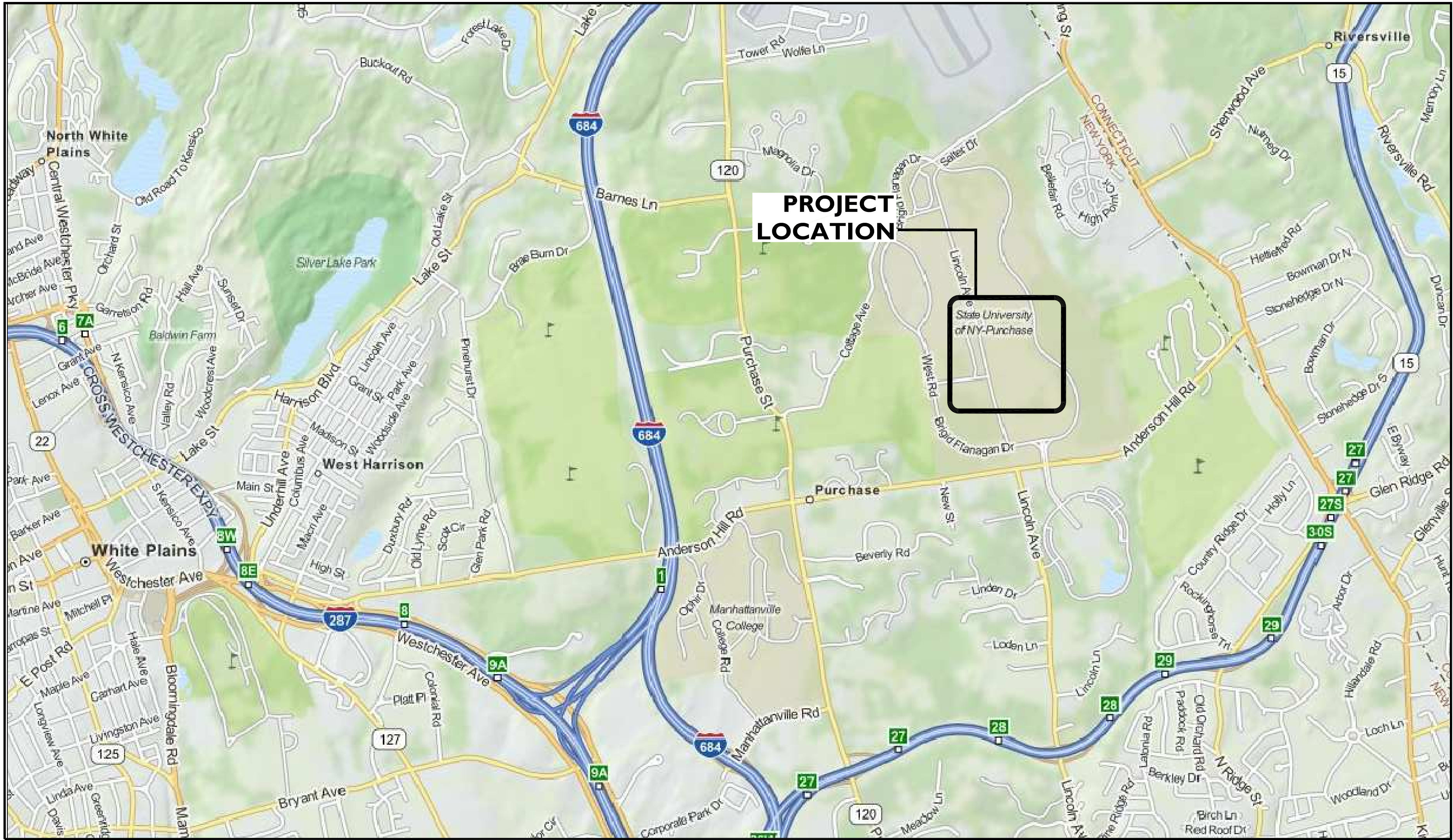


Purchase College Project No. SU-06112
HMH Project No. 11-001
Purchase College - State University of New York
Purchase, New York 10577
Baseball Field Reconstruction

Issued for Bid
Date: February 1, 2013



PROJECT LOCATION MAP
SCALE: N.T.S.

NORTH:

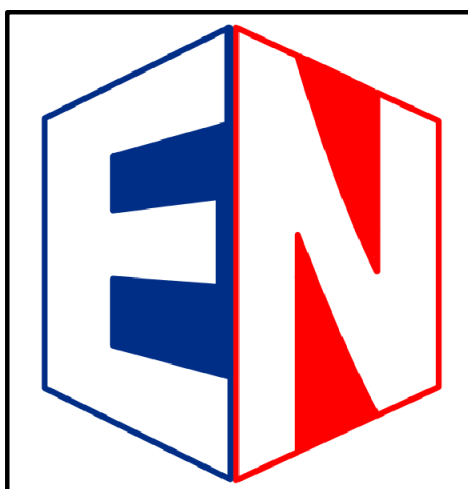
DRAWING LIST:

- SITE DRAWINGS:
- TS1 TOPOGRAPHIC SITE PLAN AREA 1
 - TS2 TOPOGRAPHIC SITE PLAN AREA 2
 - L01 SITE KEY PLAN
 - L02 SITE DEMOLITION PLAN
 - L03 CONSTRUCTION STAGING PLAN
 - L10 AREA 1 - BASEBALL FIELD LAYOUT PLAN
 - L11 AREA 2 - PARKING LOT LAYOUT PLAN
 - L20 AREA 1 - BASEBALL FIELD GRADING AND DRAINAGE PLAN
 - L21 AREA 2 - PARKING LOT GRADING AND DRAINAGE PLAN AND DETAILS
 - L30 SYNTHETIC TURF LINE STRIPING PLANS AND DETAILS
 - L31 SYNTHETIC TURF LINE STRIPING PLANS AND DETAILS
 - L40 BLEACHER PLANS AND SECTIONS
 - L41 PRESS BOX PLANS AND DETAILS
 - L42 PRESS BOX PLANS AND DETAILS
 - L50 PRE ENGINEERED DUGOUT PLANS AND DETAILS
 - L51 SITE DETAILS
- CIVIL DRAWINGS:
- C01 ATHLETIC FIELD SITE DRAINAGE PLANS AND DETAILS
 - C02 PARKING AREA EROSION AND CONTROL PLAN
 - C03 EROSION AND SEDIMENT CONTROL DETAILS
 - C04 SITE DETAILS
- STRUCTURAL DRAWINGS:
- S10 BASEBALL BACKSTOP WALL, STRUCTURAL PLANS AND DETAILS
 - S11 STRUCTURAL DETAILS AND NOTES
- ELECTRICAL DRAWINGS:
- E01 AREA 1 - BASEBALL FIELD ELECTRICAL PLAN
 - E02 AREA 2 - PARKING LOT ELECTRICAL LAYOUT
 - E03 ELECTRICAL DETAILS AND SCHEDULES

Prime Consultant


site & sports
design
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Civil Engineering


E + N ENGINEERING P.C.
A SERVICE DISABLED VETERAN OWNED BUSINESS
110 FAYETTE STREET
MANLIUS, NEW YORK 13104
PH: (315) 682-5653 FAX: (315) 682-5544

Structural Engineering

Elwyn & Palmer
CONSULTING ENGINEERS, PLLC
Ithaca, New York
607.272.5060 www.ElwynPalmer.com

Electrical Engineering


MH PROFESSIONAL ENGINEERING, PLLC
9 Corporate Drive, Clifton Park, NY 12065
Tel: (518) 280-6522 Fax: (518) 280-6526

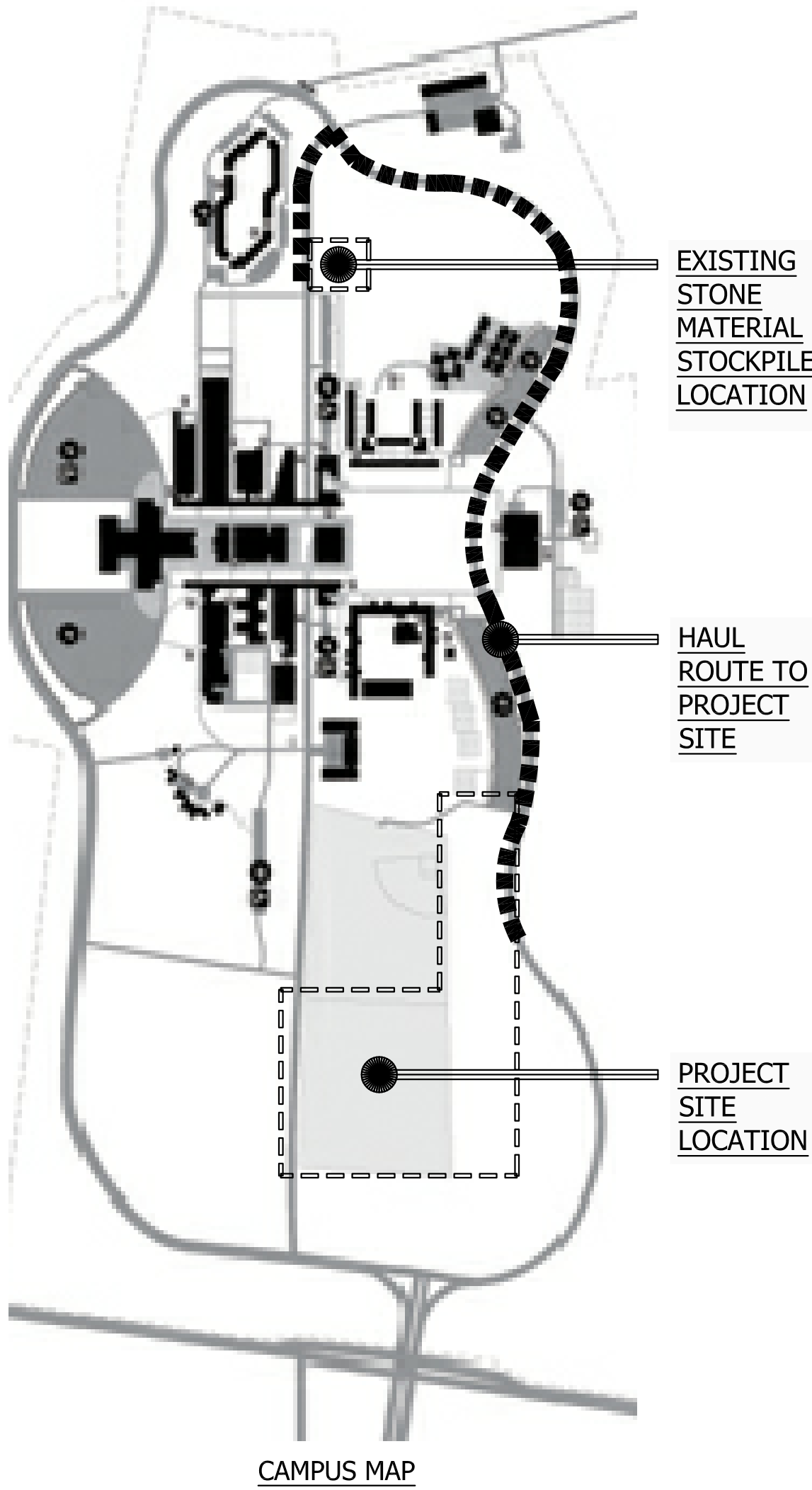
STONE STOCKPILE NOTES:

THE COLLEGE HAS AN EXISTING STOCKPILE CONTAINING APPROXIMATELY 8,000 CUBIC YARDS OF STONE FILL MATERIAL, EQUIVALENT TO NYS DOT TYPE 4 FILL, AT A LOCATION ON CAMPUS APPROX. 1/4 MILE AWAY FROM THE PROJECT SITE, AS SHOWN IN THE ADJACENT CAMPUS MAP. THE MATERIAL HAS BEEN APPROVED FOR USE ON THIS PROJECT IN THE SPECIFIED LOCATIONS. REFER TO SPEC SECTION 020500-REPORTS ON EXPLORATION FOR SAMPLING DATA.

THE AMOUNT OF AVAILABLE MATERIAL WAS MEASURED MID JANUARY, 2013. ADDITIONAL MATERIAL MAY HAVE BEEN GENERATED AND ADDED TO THIS STOCKPILE SINCE THAT TIME. ALL POTENTIAL BIDDERS WILL BE GIVEN THE OPPORTUNITY TO VISIT THE STOCKPILE SITE TO VERIFY/MEASURE THE EXACT QUANTITY OF MATERIAL AVAILABLE FOR USE ON THIS PROJECT, AS OUTLINED BELOW, AND AS INDICATED IN THE CONTRACT DOCUMENTS.

1. USE IN CONSTRUCTING THE NEW GRAVEL PARKING LOT.
2. USE IN CONSTRUCTING THE NEW GRAVEL WALKS.
3. USE AS GENERAL FILL TO ACHIEVE PROPOSED SUBGRADE ELEVATIONS BELOW THE NEW SYNTHETIC TURF BASEBALL FIELD, AS DETAILED, AND AS AVAILABLE.

THE CONTRACTOR WILL BE RESPONSIBLE FOR HAULING THE MATERIAL TO THE PROJECT SITE FOR USE. COORDINATE THE HAULING OF THE MATERIAL ON CAMPUS ROADS WITH THE OWNER'S DESIGNATED SITE REPRESENTATIVE. REFER TO THE PROJECT MANUAL AND SPECIFICATION SECTION 01550 FOR INFORMATION ON TRAFFIC MAINTENANCE AND PROTECTION PROCEDURES.



CAMPUS MAP

2 STOCKPILED STONE FILL MATERIAL

Scale: 1"=60'-0"



AREA 1: BASEBALL FIELD

AREA 2: PARKING LOT

CONSTRUCTION PHASING AND EARTHWORK NOTES:

1. REFER TO SPECIFICATION SECTION 02 05 00 - REPORTS ON EXPLORATION FOR SITE GEO-TECHNICAL INFORMATION, AND ADDITIONAL REQUIREMENTS ON SITE PREPARATION AND EARTH MOVING.
2. THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION STORM WATER POLLUTION PREVENT PLAN (SWPPP) LIMITS OPEN EARTH DISTURBANCES TO NO MORE THAN 5 ACRES AT A TIME. AN AREA IS CONSIDERED 'OPEN' IF ANY SOILS ARE EXPOSED AND UN-STABILIZED. AREAS SHALL BE CONSIDERED 'STABILIZED' IF THE SOILS ARE COVERED WITH A PERMANENT OR TEMPORARY IMPROVED SURFACE, I.E., STONE, GEO-TECHNICAL FABRICS, MULCH, TEMPORARY OR PERMANENT SEEDING, ETC., THAT LIMITS THE POSSIBILITY FOR SOIL EROSION.
3. THE CONTRACTOR SHALL BEGIN EARTHWORK OPERATIONS AT THE AREA 2 PARKING LOT, LIMITING ANY ADDITIONAL OPEN EARTH DISTURBANCES AT THE AREA 1 BASEBALL FIELD TO LESS THAN 5 TOTAL CUMULATIVE ACRES. UNTIL THE PARKING LOT AREA IS CONSIDERED STABILIZED, ONCE THE ACREAGE WITHIN AREA 2 IS CONSIDERED STABILIZED, ADDITIONAL EARTH DISTURBANCE CAN BEGIN AT AREA 1, AGAIN LIMITING THE TOTAL EXPOSED EARTH AREA TO 5 ACRES OR LESS.
4. ALL SOIL STOCKPILES THAT ARE LEFT UNDISTURBED FOR LONGER THAN 5 CONSECUTIVE DAYS SHALL BE COVERED WITH A TEMPORARY WATERPROOF MEMBRANE. CONTRACTOR SHALL MAINTAIN THE WATERPROOF COVER UNTIL THE MATERIAL IS READY FOR USE. ANY UNPROTECTED STOCKPILES THAT BECOME CONTAMINATED BY RAINFALL SHALL BE REMOVED FROM THE SITE, LEGALLY DISPOSED OF, AND REPLACED WITH IMPORTED TYPE 1 FILL AT THE CONTRACTOR'S EXPENSE.
5. UPON COMMENCEMENT OF THE SITE PREPARATION, CONTRACTOR SHALL BEGIN WITH INSTALLATION OF THE SITE DRAINAGE AND UNDER DRAINAGE SYSTEMS AS DESIGNED, OR PROVIDE ANY ADDITIONAL TEMPORARY DRAINAGE SYSTEMS THAT MAY BE REQUIRED TO PROPERLY DE-WATER THE SITE, AND INTERCEPT ANY STORM WATER RUNOFF, AND DRAIN ANY POTENTIAL GROUNDWATER FROM THE WORK AREAS.
6. IF INSTALLATION OF THE INTENDED DRAINAGE SYSTEMS CANNOT BE INITIALLY INSTALLED IN ORDER TO PROPERLY DE-WATER THE SITE, THE CONTRACTOR SHALL INSTALL TEMPORARY DRAINAGE SHALES, AND/OR DEEP CUTOFF TRENCHES AROUND THE UP-GRADIENT SIDES OF ALL WORK AREAS, TO INTERCEPT AND DIVERT SURFACE RUNOFF AND ANY GROUNDWATER THAT MAY BE PERCHED IN THE UPPER FEET OF SOILS AWAY FROM THE DEVELOPMENT AREAS. PUMP ANY ACCUMULATING WATER FROM SURF AREAS AWAY FROM THE CONSTRUCTION SITE.
7. AFTER THESE PERMANENT OR TEMPORARY DRAINAGE WORKS ARE INSTALLED, STRIPPING OF VEGETATION AND TOPSOIL AND SURFICIAL ORGANIC MATTER FROM BENEATH THE WORK AREAS MAY FOLLOW.
8. AT THE END OF EACH DAY, THE EXCAVATED AND FILLED SUBGRADES MUST BE SHAPED AND SLOPED TO DIRECT RUNOFF AWAY FROM THE WORK AREAS. THE SUBGRADE SURFACES SHALL BE 'SEALED' WITH A STEEL DRUM ROLLER TO PROMOTE RUNOFF AWAY FROM THE SITE, OR TO ANY PERMANENT AND/OR TEMPORARY DRAINAGE FEATURES.
9. ALL EXPOSED SUBGRADE SURFACES SHALL BE SHALL BE PROOF-ROLLED BY COMPLETING AT LEAST THREE PASSES WITH A PNEUMATIC TIRE, OR A STEEL DRUM ROLLER WITH A STATIC WEIGHT OF AT LEAST SEVEN TONS. THE ROLLER SHOULD OPERATE IN STATIC MODE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OBSERVING THE WORK, AND TRAVEL AT A SPEED OF ABOUT THREE FEET PER SECOND (TWO MILES PER HOUR). SOFT AREAS WHICH ARE IDENTIFIED BY THE PROOF-ROLLING SHOULD BE INVESTIGATED TO ASCERTAIN THE CAUSE, AND WHERE DETERMINED TO BE NECESSARY, UNDERCUT AND REPLACED WITH ENGINEER APPROVED MATERIAL.
10. ALL ON-SITE SOILS USED AS FILL SHALL BE PLACED IN UNIFORM LOOSE LAYERS, NO MORE THAN THE SPECIFIED THICKNESS, AND COMPACTED WITH HEAVY VIBRATORY COMPACTION EQUIPMENT. SMALLER LIFTS OF NO MORE THAN 6" COMPACTED DEPTH SHALL BE USED WHERE HAND OPERATED COMPACTION EQUIPMENT IS UTILIZED.
11. EACH LIFT SHALL BE COMPACTED TO NO LESS THAN THE SPECIFIED PERCENTAGE OF THE MAXIMUM DRY DENSITY FOR THE SOIL ESTABLISHED BY THE MODIFIED PROCTOR COMPACTION TEST, ASTM 01557. THE SOILS SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN TWO PERCENT OF THE OPTIMUM, AS DETERMINED BY ASTM 01557.

Rev. No.:	Date:	Description:

CONTRACT NOTES:

1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT. THE SITE WORK CONTRACTOR SHALL PERFORM ALL ELECTRICAL TRENCHING AND BACKFILL AS REQUIRED BY THE 'E' DRAWINGS, AND DIV. 26 SPECIFICATIONS. COORDINATE ALL WORK WITH THE ELECTRICAL WORK CONTRACTOR.

GENERAL NOTES:

1. ALL SITE PLANS WERE PREPARED USING SURVEY INFORMATION OBTAINED FROM BOLTON LAND SURVEYING, P.C., DATED 11/13/11 AND TITLED 'BOUNDARY AND TOPOGRAPHIC SURVEY, ATHLETIC FIELDS, PURCHASE COLLEGE, STATE UNIVERSITY OF NEW YORK'. ALL SURVEY DATA USED TO PREPARE THE SITE PLANS HAS BEEN PROVIDED IN THIS SET FOR REFERENCE. SURVEY INTERPRETATIONS MADE BY THE CONTRACTOR ARE NOT THE RESPONSIBILITY OF THE OWNER, OR HUGHES ASSOCIATES, LANDSCAPE ARCHITECTS, PLLC. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN SURVEY AND EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE AND PERFORM ALL WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING SOIL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE DRAWINGS, SPECIFICATIONS AND STORMWATER POLLUTION PREVENTION PLAN.
4. CONTRACTOR SHALL INSTALL AND MAINTAIN A MIN. 6' HIGH TEMPORARY CHAIN LINK CONSTRUCTION PROTECTIVE FENCE AND GATES AROUND ENTIRE PERIMETER OF ALL WORK AREAS.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS. ANY ELEVATIONAL DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING TOPOGRAPHY INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.
6. UNLESS SHOWN OTHERWISE, THE CONTRACT LIMIT LINE IS FIFTEEN FEET OUTSIDE THE LIMITS OF DISTURBANCE.
7. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE ANY ELECTRIC, WATER AND SANITARY SERVICE INTERRUPTIONS WITH THE OWNER AND/OR LOCAL GOVERNING AUTHORITIES PER THE SPECIFICATIONS. NOTIFY THE OWNER AT LEAST 1 WEEK PRIOR TO SCHEDULED WORK.
9. SEE SPECIFICATION SECTION 020500-REPORTS ON EXPLORATION FOR BORING LOCATIONS AND GEOTECHNICAL INFORMATION.
10. ALL STRUCTURAL FILL SHALL BE TYPE 1 OR TYPE 2 CRUSHED STONE AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. SEE STONE STOCKPILE NOTES ON THIS PLAN FOR ADDITIONAL INFORMATION ON APPROVED STRUCTURAL FILL MATERIAL.
11. CONTRACTOR SHALL LEGALLY DISPOSE OF OFF SITE ALL EXCESS TOPSOIL AND FILL MATERIALS GENERATED FROM EARTHWORK OPERATIONS.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



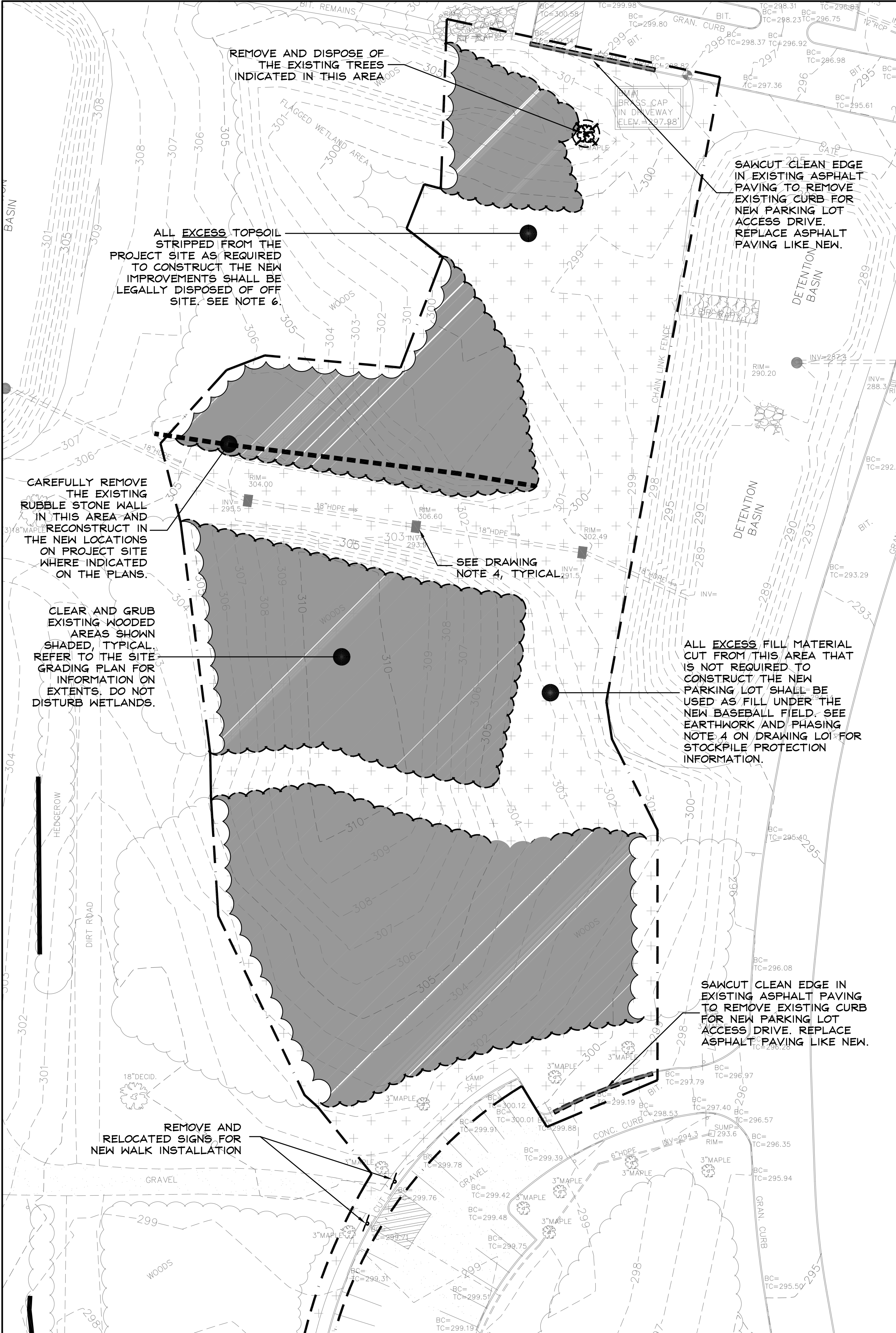
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: Elwyn Palmer
Electrical Engineer: Elwyn Palmer
Structural Engineer: Elwyn Palmer
CONSULTING ENGINEERS, PLLC.
Ithaca, New York
607-272-0000 www.ElwynPalmer.com

Drawn by:
JTH
Date:
February 1, 2013

Drawing title:
SITE KEY PLAN

HMH Project #
11-001
Sheet #
L01

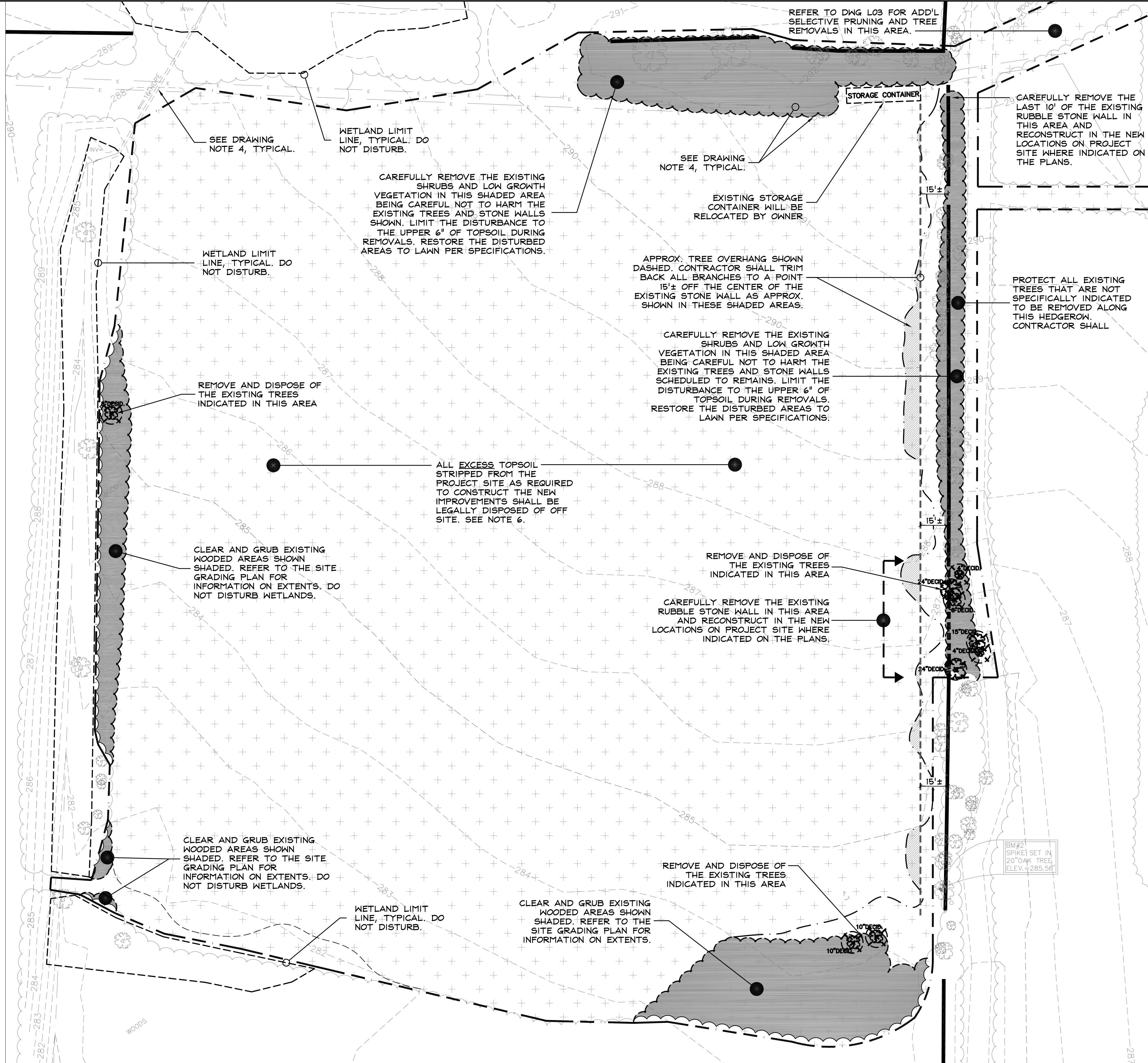


1 PARKING LOT AREA DEMOLITION PLAN

Scale: 1"=30'-0"

30 0 10 20 30

11-001



2 BASEBALL FIELD AREA DEMOLITION PLAN

Scale: 1"=30'-0"

30 0 10 20 30

11-001

Rev. No.	Date	Description

CONTRACT NOTES:

- UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT. COORDINATE ALL WORK WITH THE ELECTRICAL WORK CONTRACTOR.
- SEE DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DISTURB OR ENCRONCH ON THE EXISTING WETLANDS INDICATED ON THE PLANS AND TOPOGRAPHIC SURVEYS.
- COORDINATE ADDITIONAL ELECTRICAL DEMOLITION WORK WITH THE ELECTRICAL WORK CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF ANY WORK.
- UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DEMOLITION PLAN, ALL EXISTING STORM DRAINAGE SYSTEM COMPONENTS ARE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. SEE SOIL EROSION AND SEDIMENT CONTROL PLANS AND SITE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
- ALL EXCESS TOPSOIL NOT REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS SHALL BE LEGALLY DISPOSED OF OFF CAMPUS. THE CONTRACTOR MAY INCREASE THE DEPTH OF TOPSOIL FILL IN THE PROPOSED LAWN AREAS REQUIRING FILLS TO ACHIEVE PROPOSED FINISH GRADES TO SPOIL SOME EXCESS TOPSOIL MAY NOT BE USED AS FILLS UNDER ANY PROPOSED SURFACES OTHER THAN PROPOSED LAWN AREAS. ADDITIONALLY, THE CONTRACTOR MAY TEST AND AMEND ANY EXCESS EXISTING TOPSOIL TO MEET THE REQUIREMENTS OF THE BIO-RETENTION PLANTING SOIL AS SPECIFIED ON DRAWING C01 FOR USE IN THIS AREA.
- REFER TO THE PROJECT SPECIFICATIONS, GEO-TECHNICAL EXPLORATORY REPORTS, AND NOTES ON DRAWING L01 FOR ADDITIONAL INFORMATION ON SITE DEMOLITION, SITE PREPARATION, CONSTRUCTION SEQUENCING AND PROTECTION, AND UTILITY DISRUPTION REQUIREMENTS.

DRAWING NOTES:

- SEE DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DISTURB OR ENCRONCH ON THE EXISTING WETLANDS INDICATED ON THE PLANS AND TOPOGRAPHIC SURVEYS.
- COORDINATE ADDITIONAL ELECTRICAL DEMOLITION WORK WITH THE ELECTRICAL WORK CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF ANY WORK.
- UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DEMOLITION PLAN, ALL EXISTING STORM DRAINAGE SYSTEM COMPONENTS ARE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. SEE SOIL EROSION AND SEDIMENT CONTROL PLANS AND SITE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
- ALL EXCESS TOPSOIL NOT REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS SHALL BE LEGALLY DISPOSED OF OFF CAMPUS. THE CONTRACTOR MAY INCREASE THE DEPTH OF TOPSOIL FILL IN THE PROPOSED LAWN AREAS REQUIRING FILLS TO ACHIEVE PROPOSED FINISH GRADES TO SPOIL SOME EXCESS TOPSOIL MAY NOT BE USED AS FILLS UNDER ANY PROPOSED SURFACES OTHER THAN PROPOSED LAWN AREAS. ADDITIONALLY, THE CONTRACTOR MAY TEST AND AMEND ANY EXCESS EXISTING TOPSOIL TO MEET THE REQUIREMENTS OF THE BIO-RETENTION PLANTING SOIL AS SPECIFIED ON DRAWING C01 FOR USE IN THIS AREA.
- REFER TO THE PROJECT SPECIFICATIONS, GEO-TECHNICAL EXPLORATORY REPORTS, AND NOTES ON DRAWING L01 FOR ADDITIONAL INFORMATION ON SITE DEMOLITION, SITE PREPARATION, CONSTRUCTION SEQUENCING AND PROTECTION, AND UTILITY DISRUPTION REQUIREMENTS.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex

h m h
site & sports
design

HUGHES ASSOCIATES, LANDSCAPE ARCHITECTS, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

Civil Engineer	Electrical Engineer	Structural Engineer
Elwyn & Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607-272-5000 www.ElwynPalmer.com	Elwyn & Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607-272-5000 www.ElwynPalmer.com	Elwyn & Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607-272-5000 www.ElwynPalmer.com

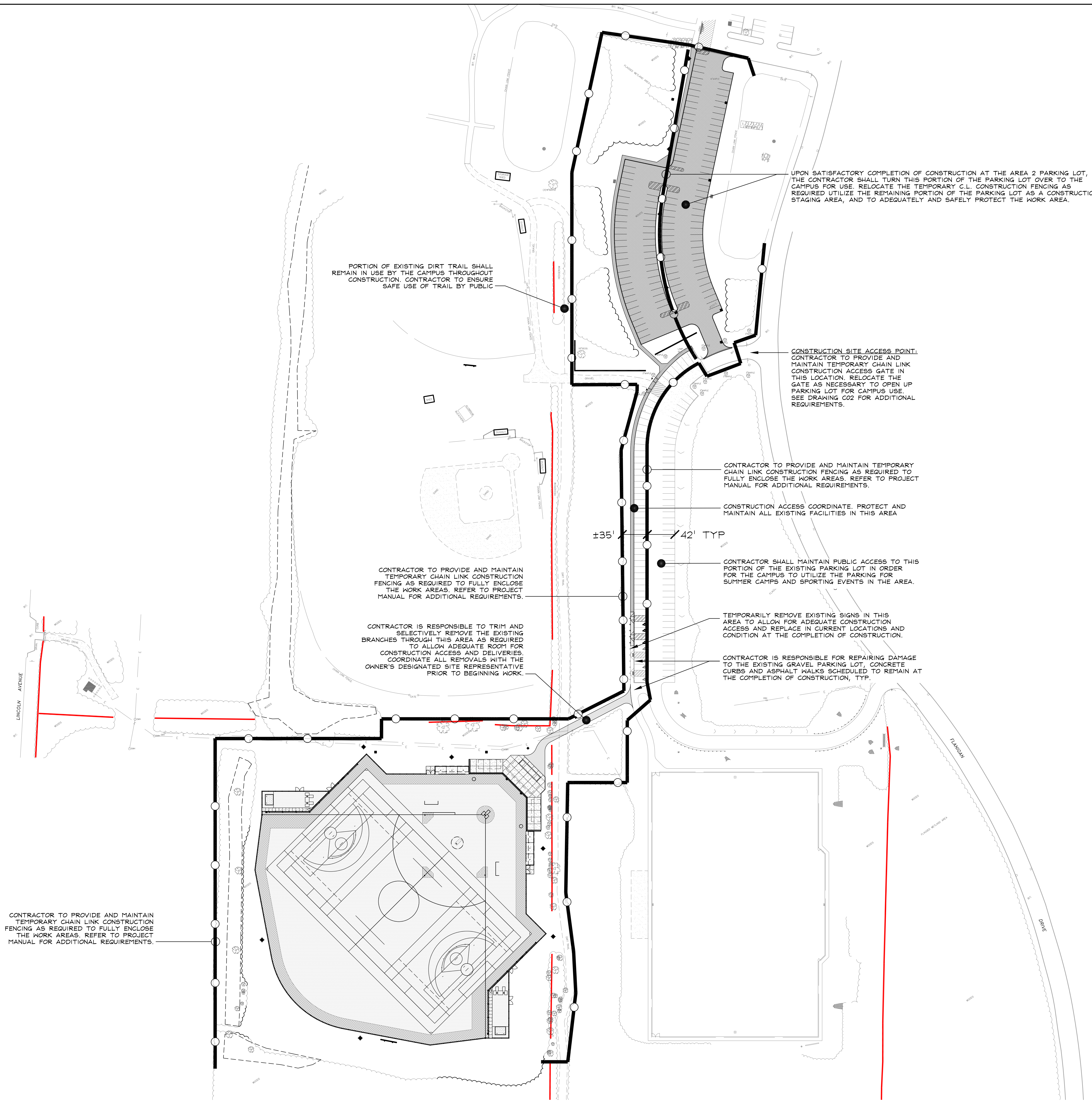
Drawn by:
JTH

Date:
February 1, 2013

SITE DEMOLITION PLAN

HMM Project #
11-001

Sheet #
L02



1 CONSTRUCTION STAGING PLAN

Scale: 1"=60'-0"

Rev. No.	Date	Description

CONTRACT NOTES:

1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.

DRAWINGS NOTES:

1. REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES AND EARTHWORK AND CONSTRUCTION PHASING NOTES.

2. REFER TO THE DIVISION 1 GENERAL REQUIREMENTS SECTION OF THE PROJECT MANUAL FOR ADDITIONAL CONSTRUCTION SITE MAINTENANCE AND STAGING REQUIREMENTS.

3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY MIN. 6' HIGH, CHAIN LINK CONSTRUCTION FENCES AND GATES, NOT LIMITED TO THE AREAS INDICATED ON THIS PLAN, TO SAFE-OFF ALL WORK AREAS TO ENSURE THAT NO PEDESTRIANS CAN EASILY ACCESS THE CONSTRUCTION SITE.

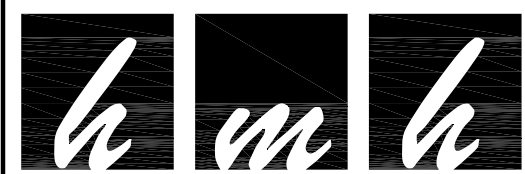
4. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE CAMPUS WITH AT LEAST 1 WEEKS NOTICE ON ALL SCHEDULED DELIVERIES TO THE PROJECT SITE. ALL DELIVERIES SHALL STAGE AT THE LOCATION ON CAMPUS AS DIRECTED BY THE OWNER'S DESIGNATED SITE REP.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



site & sports
design



Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

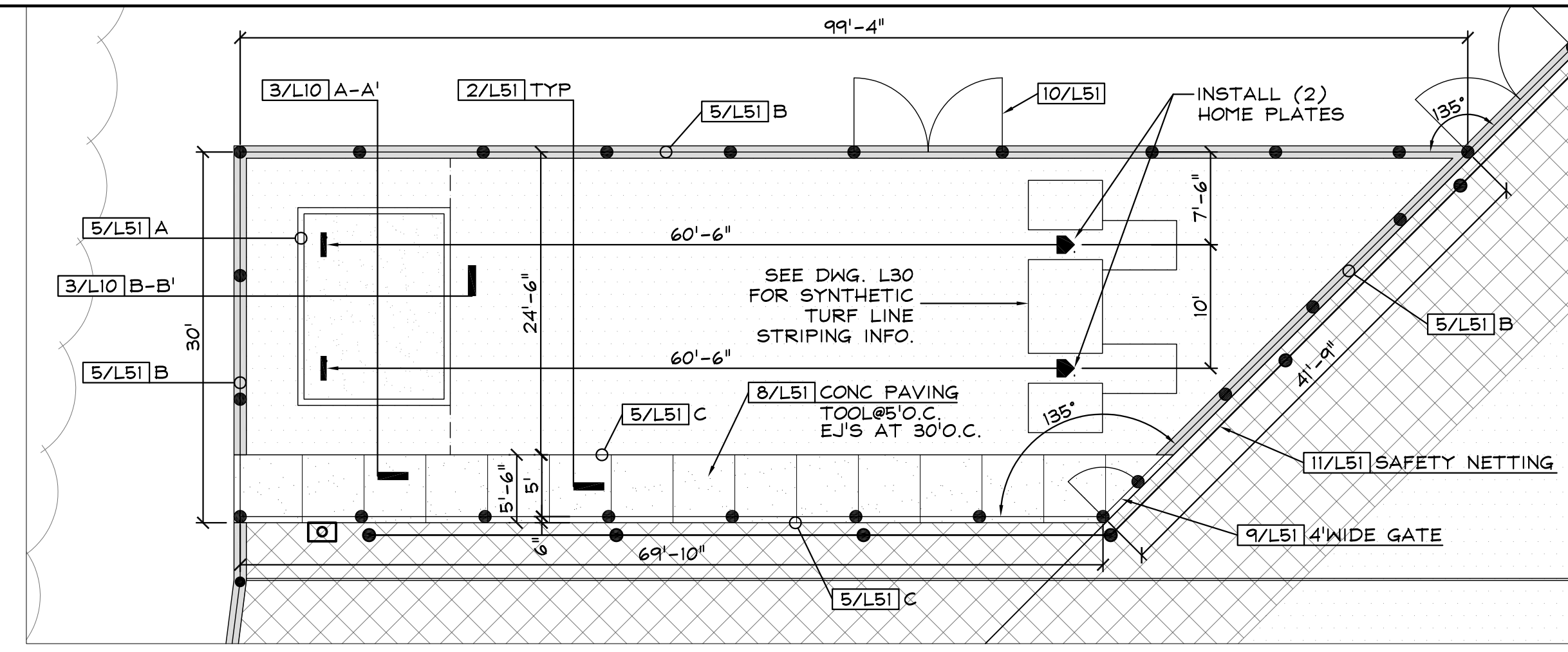
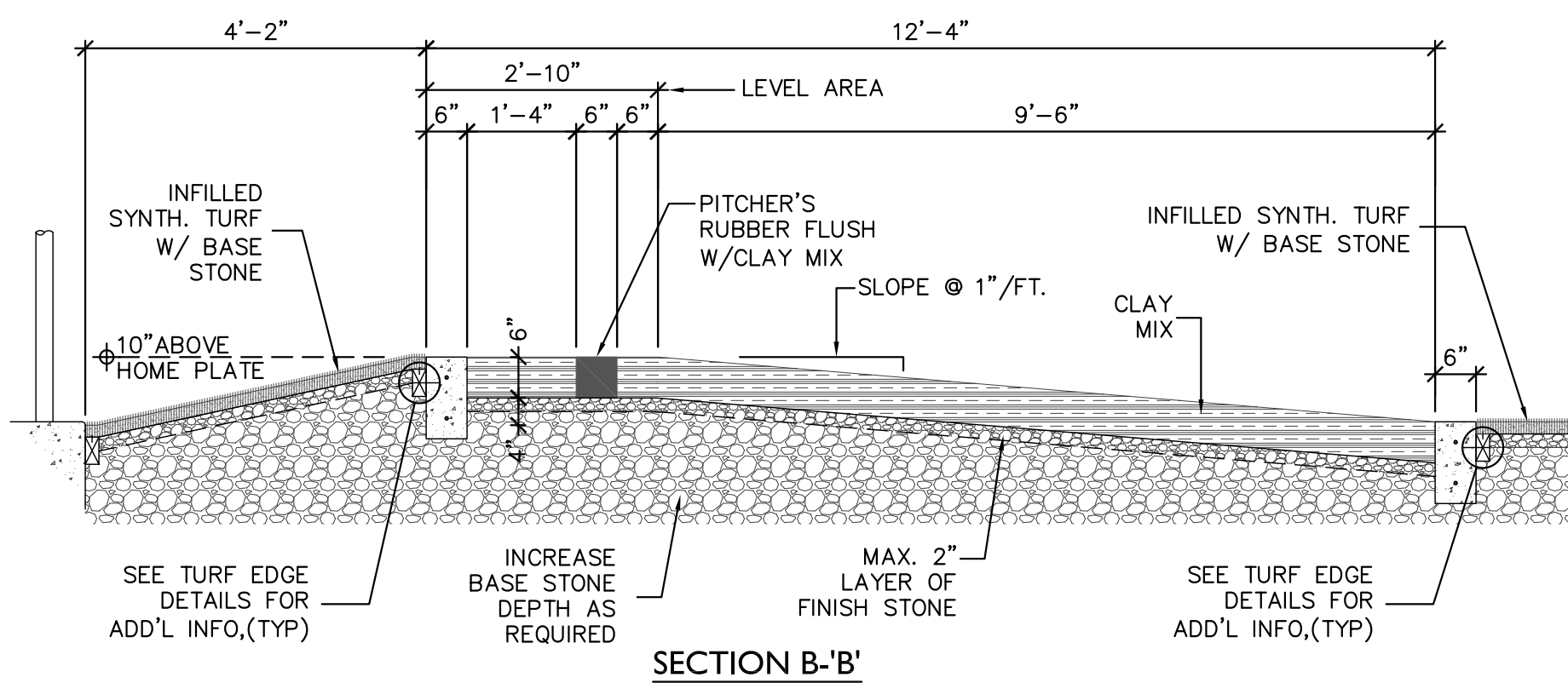
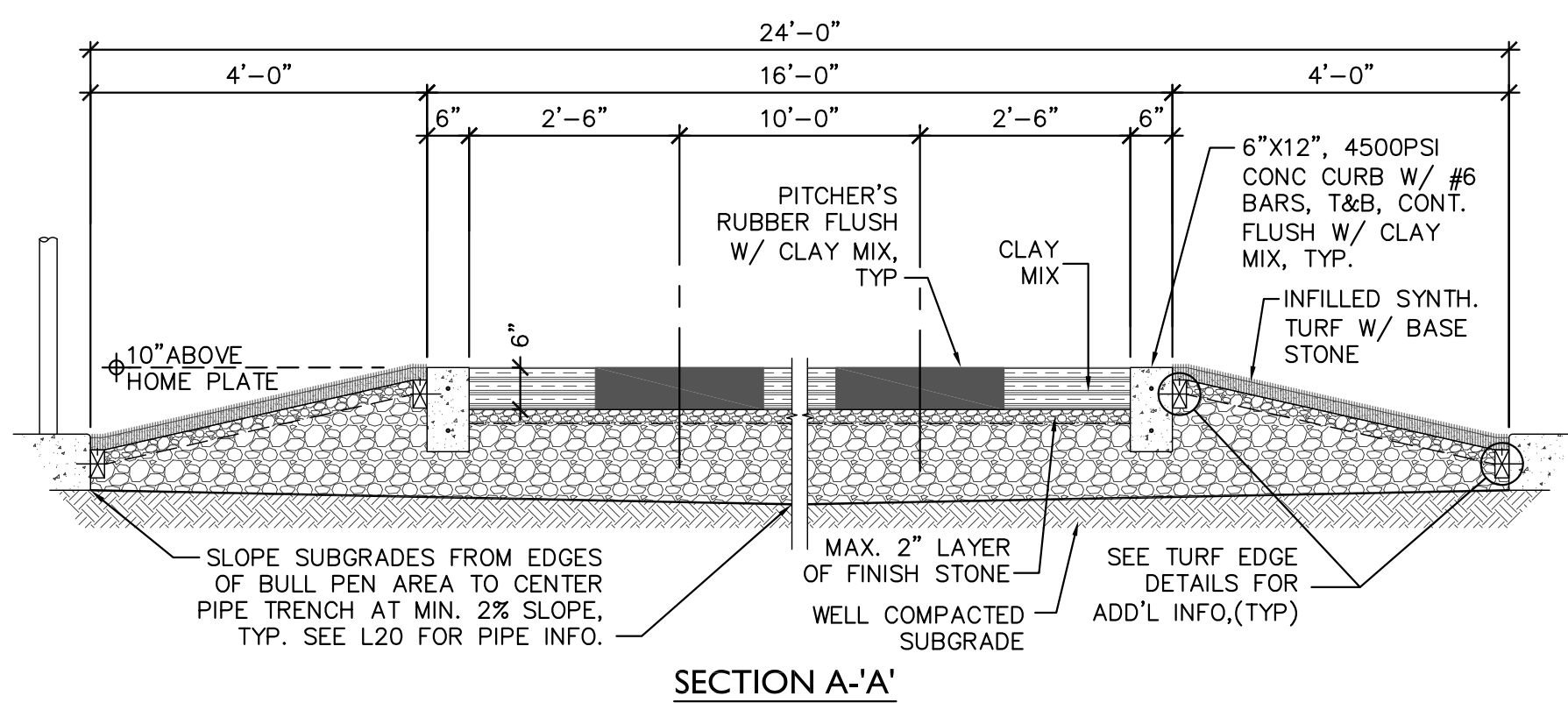
Civil Engineer  E. N. ASSOCIATES 100 WESTERN AVENUE SUITE 200 ITHACA, NEW YORK 14850 PH: 607-272-5000 FAX: 607-272-5004	Electrical Engineer  MTP CONSULTING ENGINEERS, PLLC 100 WESTERN AVENUE SUITE 200 ITHACA, NEW YORK 14850 PH: 607-272-5000 FAX: 607-272-5004	Structural Engineer  Elwyn & Palmer CONSULTING ENGINEERS, PLLC ITHACA, NEW YORK 607-272-5000 www.ElwynPalmer.com
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Drawn by:
JTH

Date:
February 1, 2013

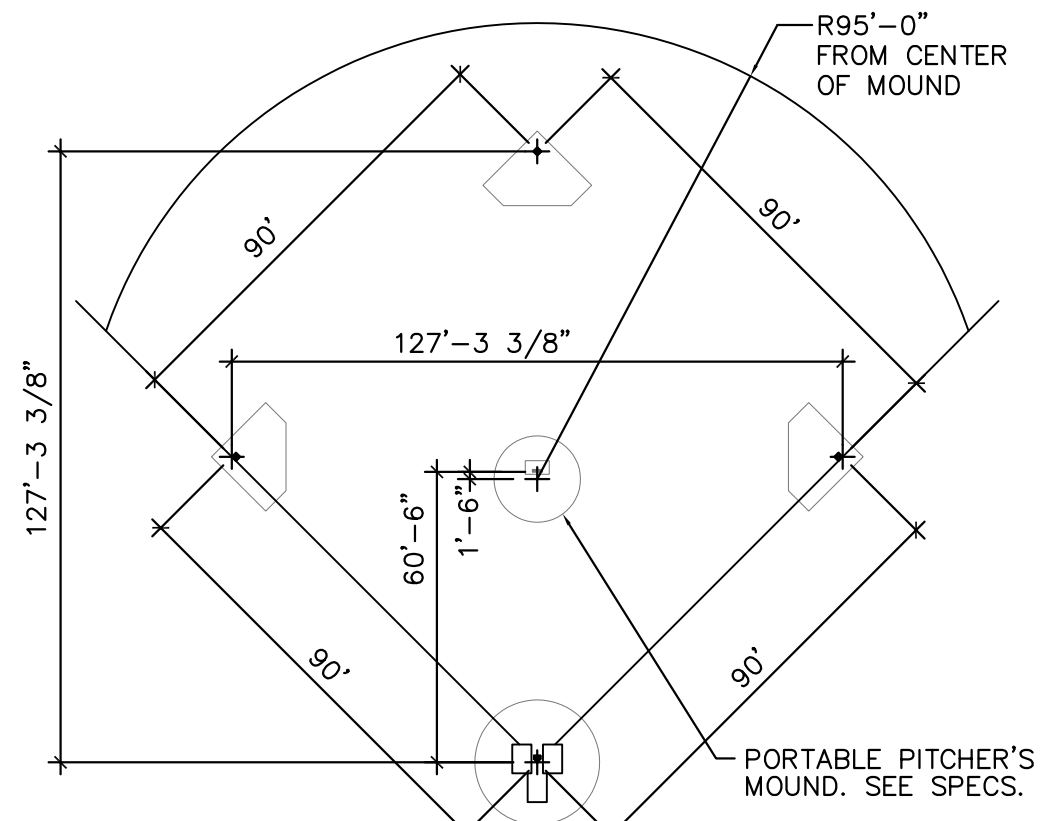
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**CONSTRUCTION STAGING
PLAN**

HMM Project # 11-001	Sheet # L03
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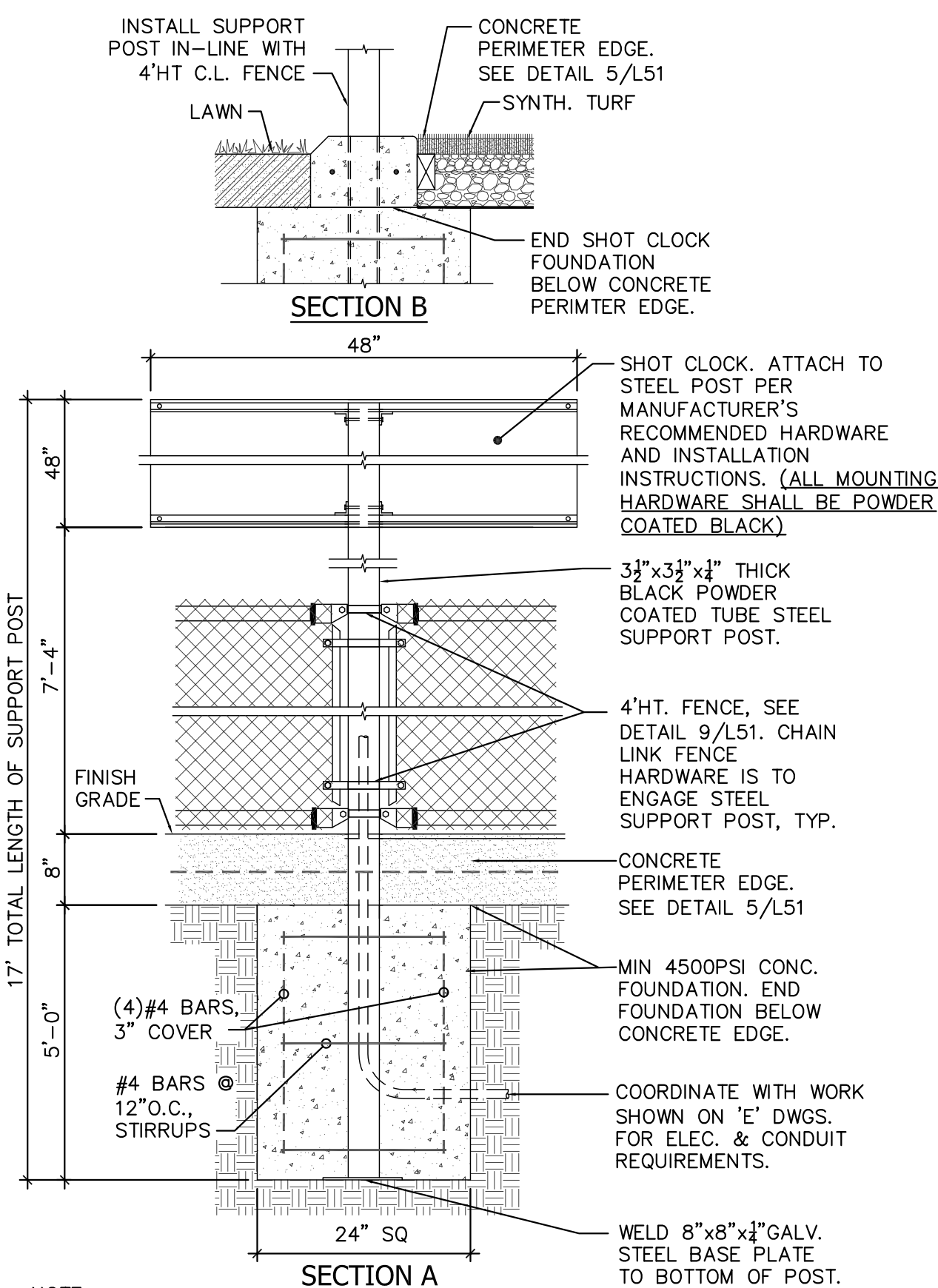


3 BULL PEN PITCHER'S MOUND SECTIONS

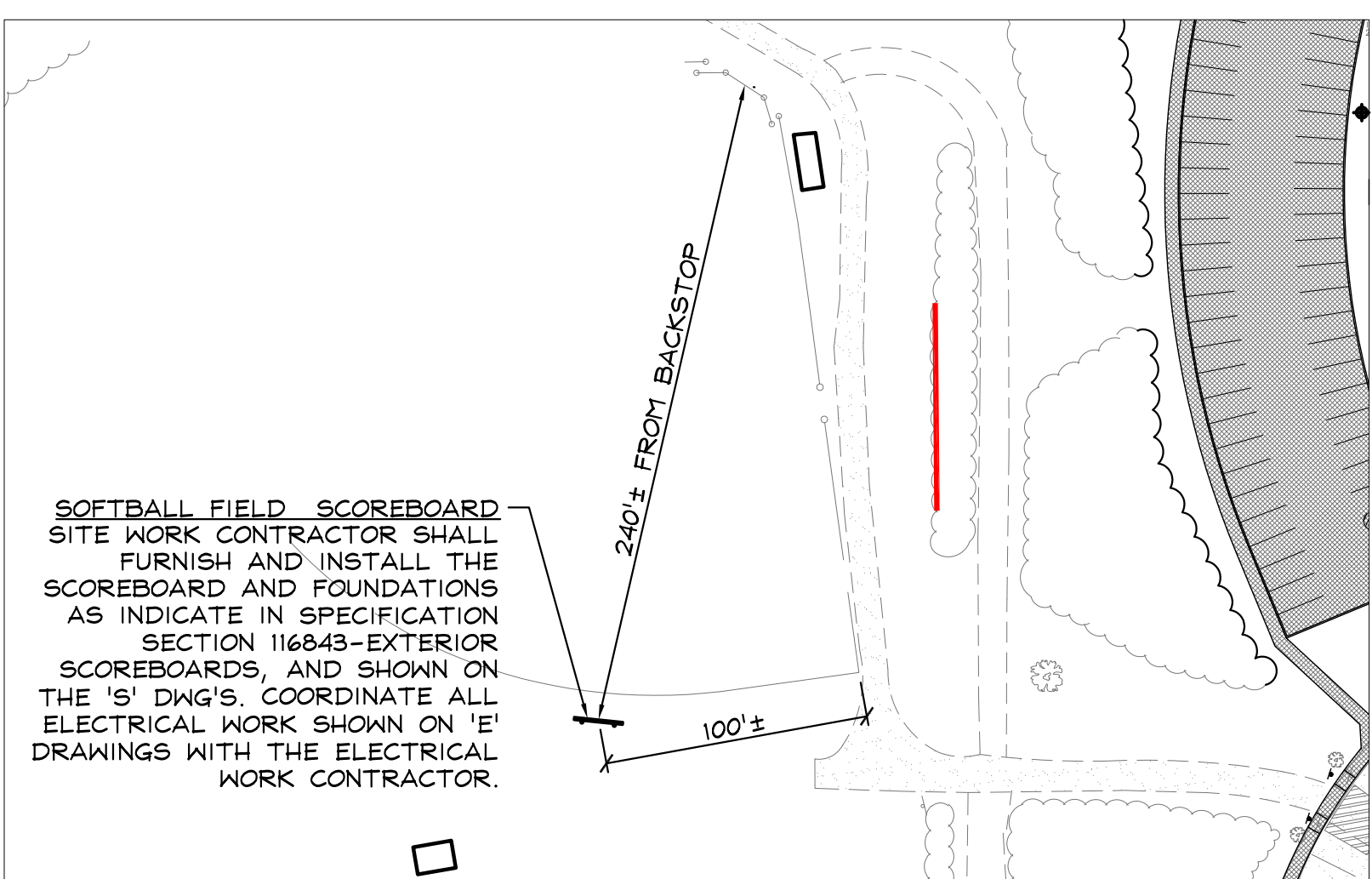
2 RIGHT FIELD DUGOUT ENLARGEMENT PLAN (SIM. @ LEFT FIELD)



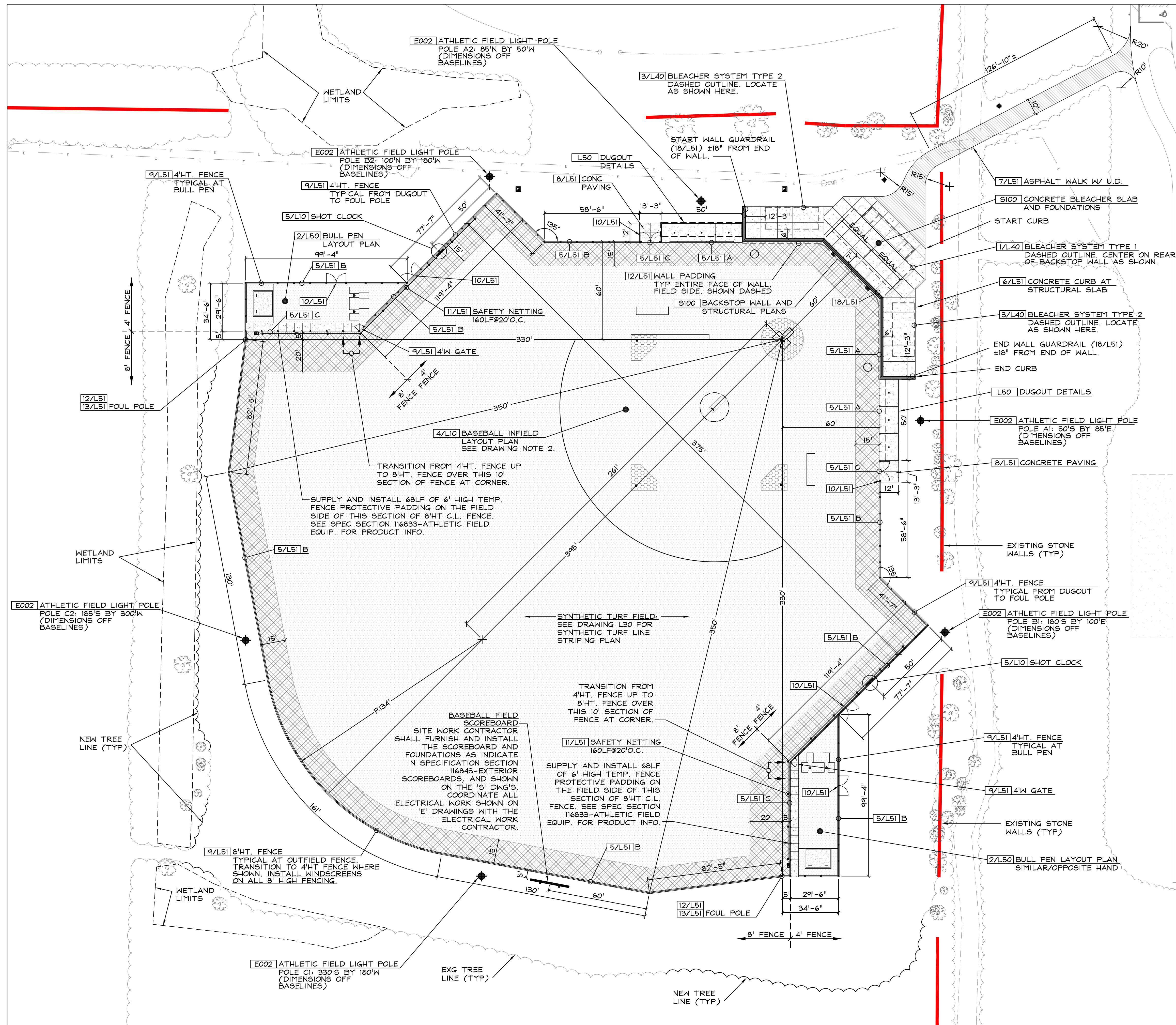
4 BASEBALL INFIELD LAYOUT PLAN



5 SHOT CLOCK FOUNDATION DETAILS



6 SOFTBALL SCOREBOARD LOCATION PLAN



1 AREA 1 - BASEBALL FIELD LAYOUT PLAN

Rev. No.	Date	Description

CONTRACT NOTES:

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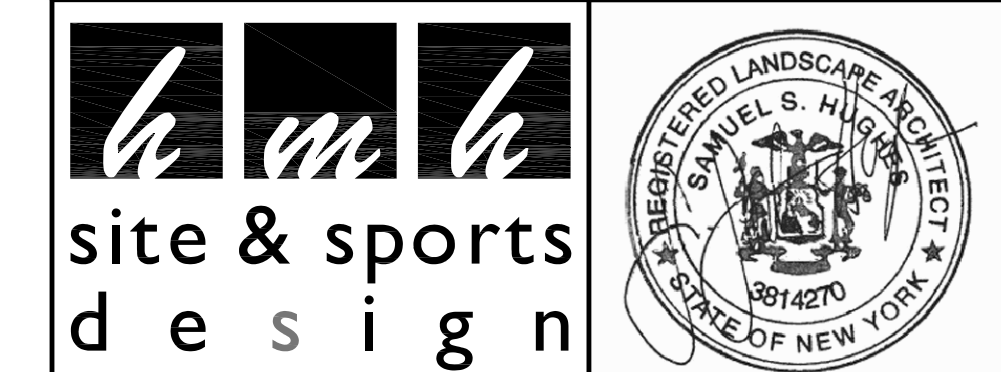
DRAWING NOTES:

- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- THE BASEBALL INFIELD SHALL BE STAKED OUT BY A NYS LICENSED LAND SURVEYOR UTILIZING THE AUTOCAD DRAWING FILES TO DETERMINE THE EXACT LOCATIONS OF HOME PLATE, THE PITCHER'S MOUND, AND 1ST, 2ND & 3RD BASES.



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



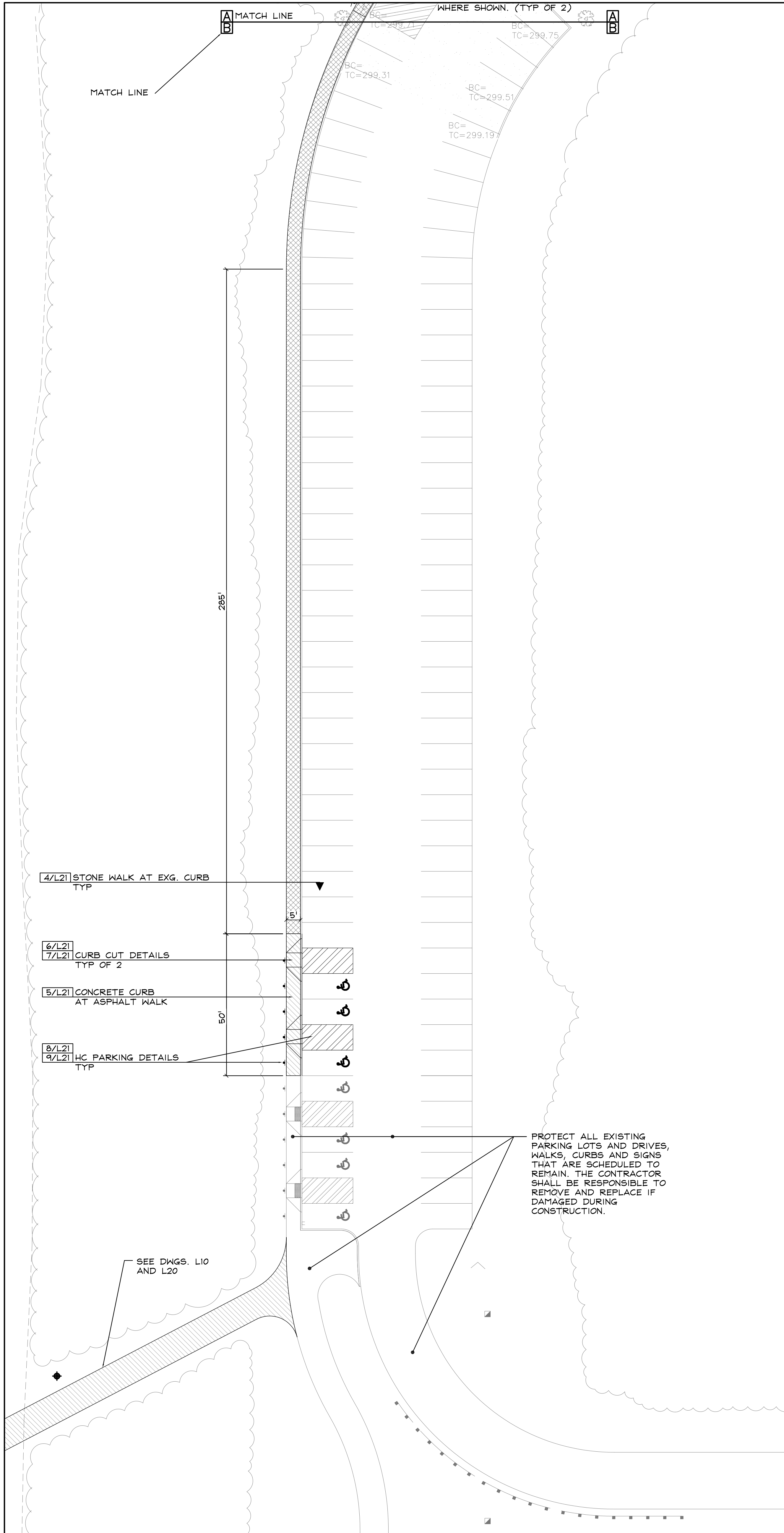
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: Elwyn & Palmer
Electrical Engineer: Elwyn & Palmer
Structural Engineer: Elwyn & Palmer
Ithaca, New York
607-272-5000 www.elwynpalmer.com

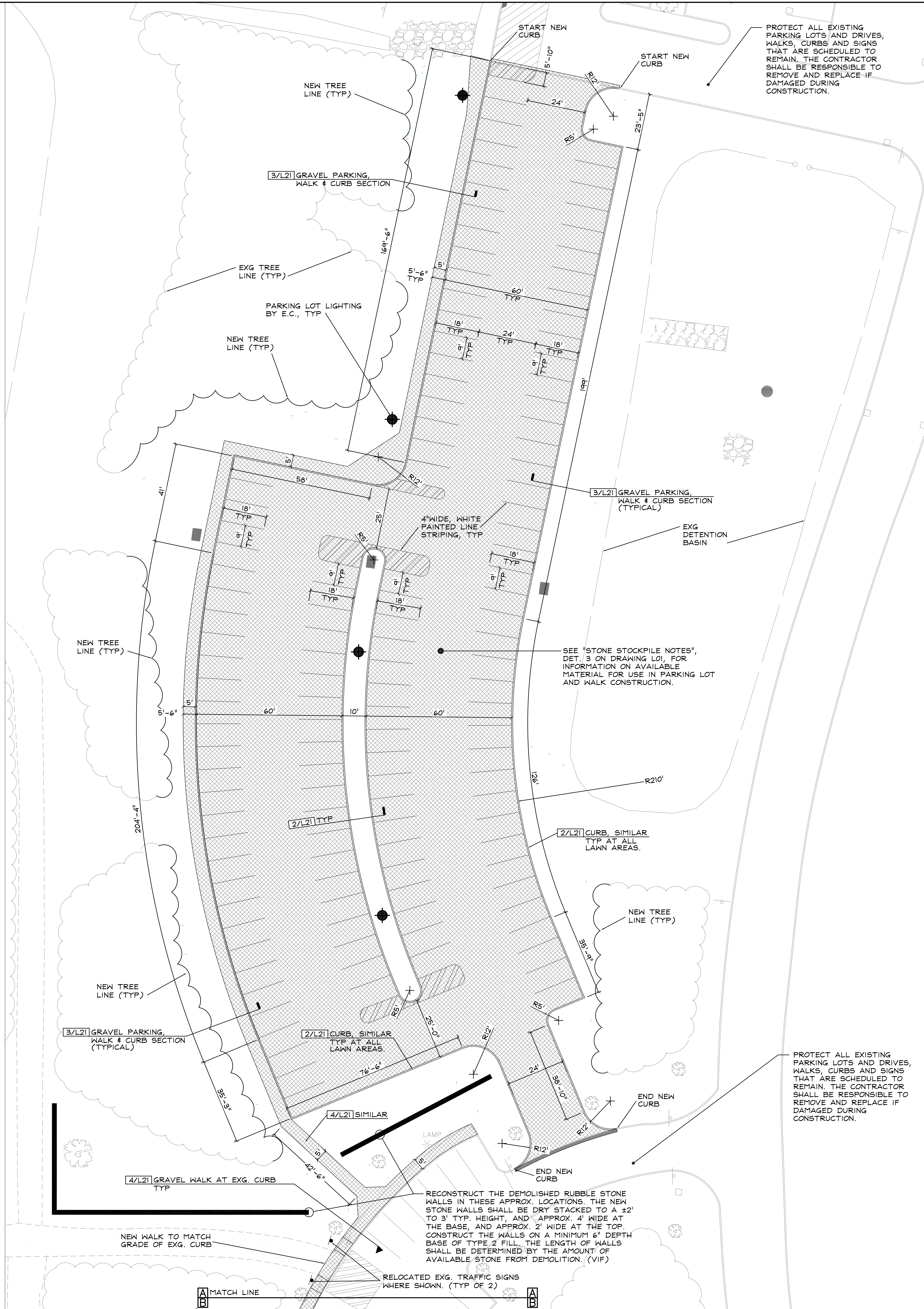
Drawn by:
JTH
Date:
February 1, 2013

Drawing title:
AREA 1 - BASEBALL FIELD

HMH Project #
11-001
Sheet #
L10



2 AREA 2 - PARKING LOT - LAYOUT 2



1 AREA 2 - PARKING LOT - LAYOUT 1

Rev. No.	Date	Description

CONTRACT NOTES:

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DRAWING NOTES:

- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- SEE DRAWING L02 DEMOLITION PLAN FOR INFORMATION REGARDING DEMOLITION OF EXISTING RUBBLE STONE WALLS FOR RECONSTRUCTION WHERE SHOWN ON THIS PLAN.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex

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design

Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

Civil Engineer	Electrical Engineer	Structural Engineer
JTH	Elwyn Palmer	Elwyn Palmer

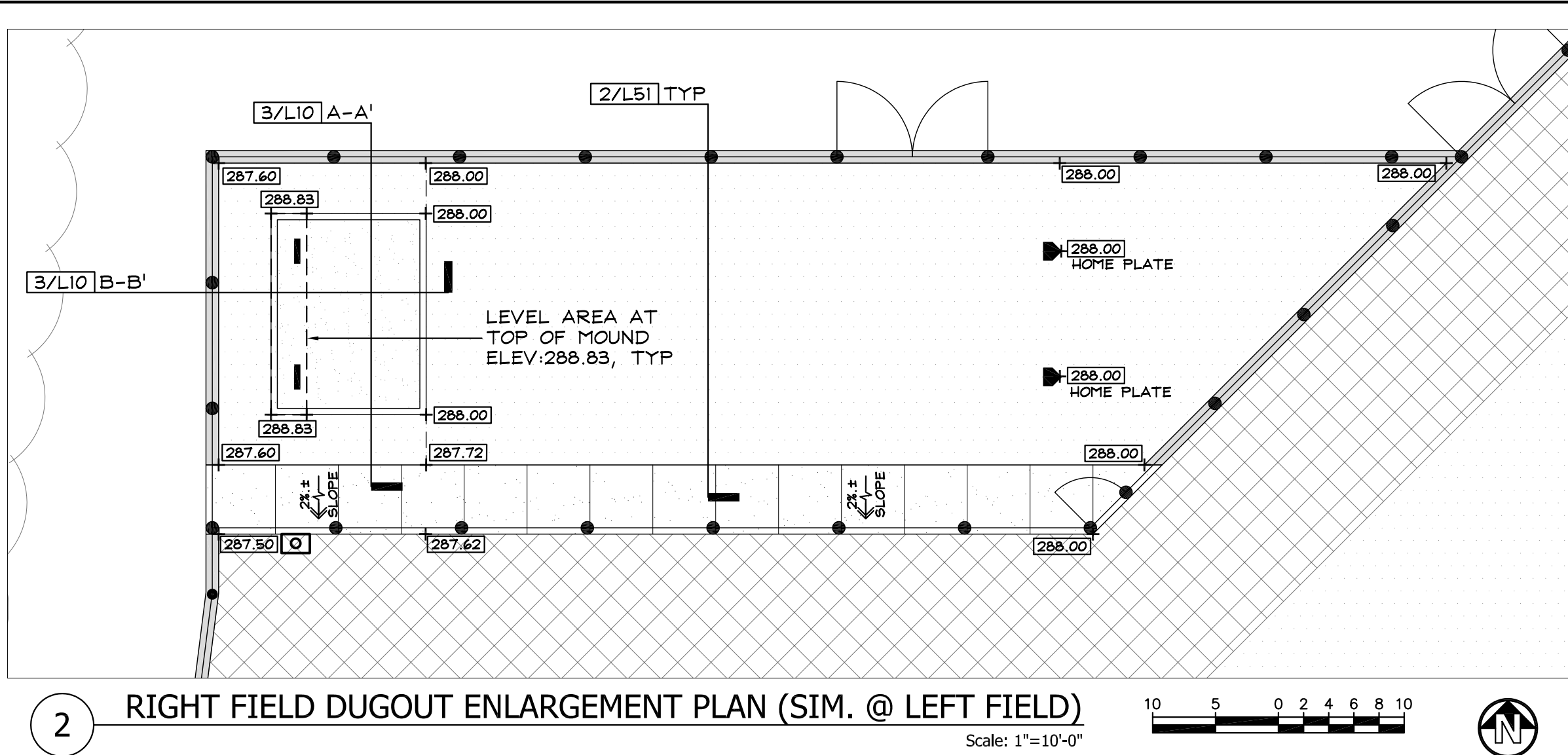
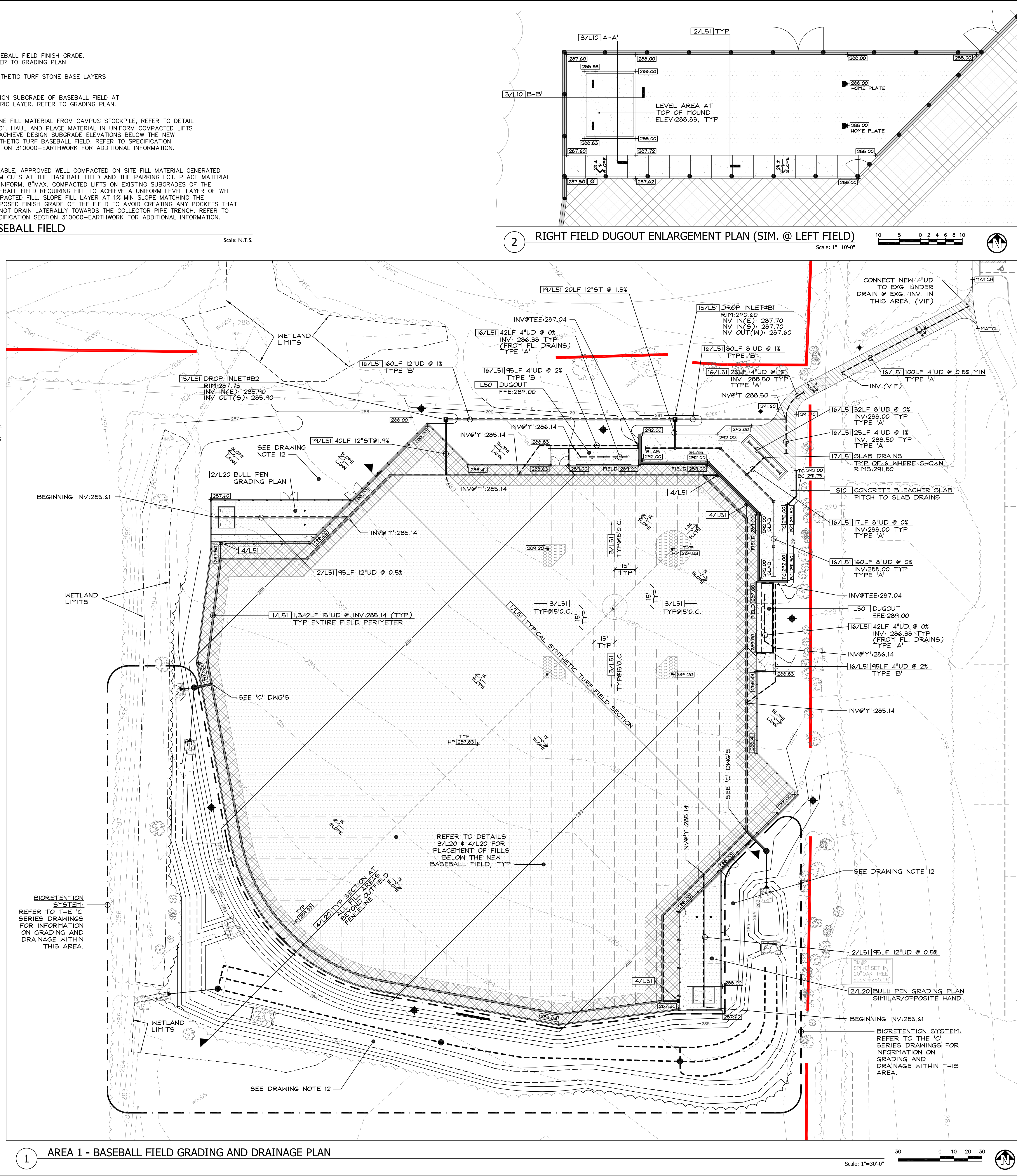
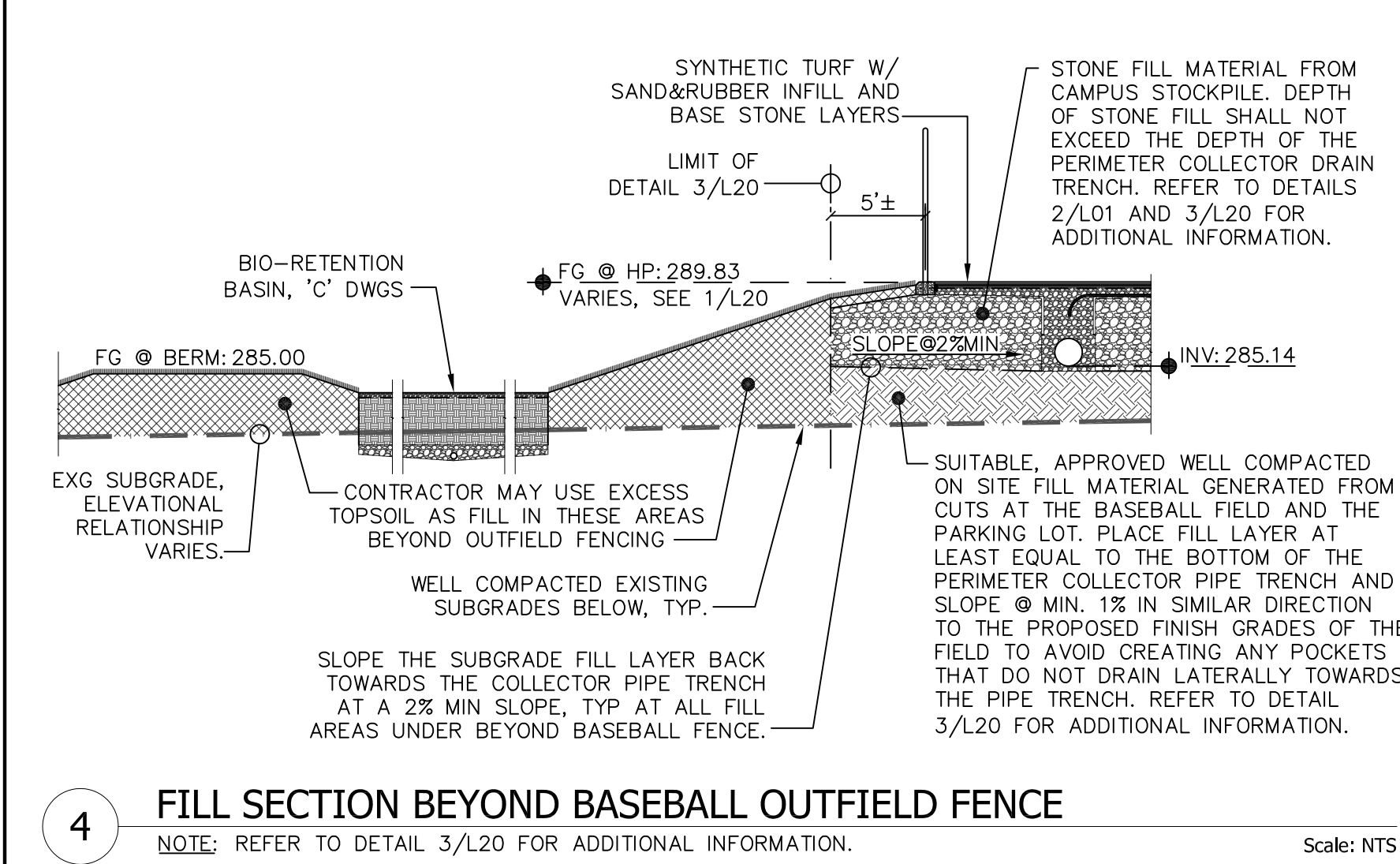
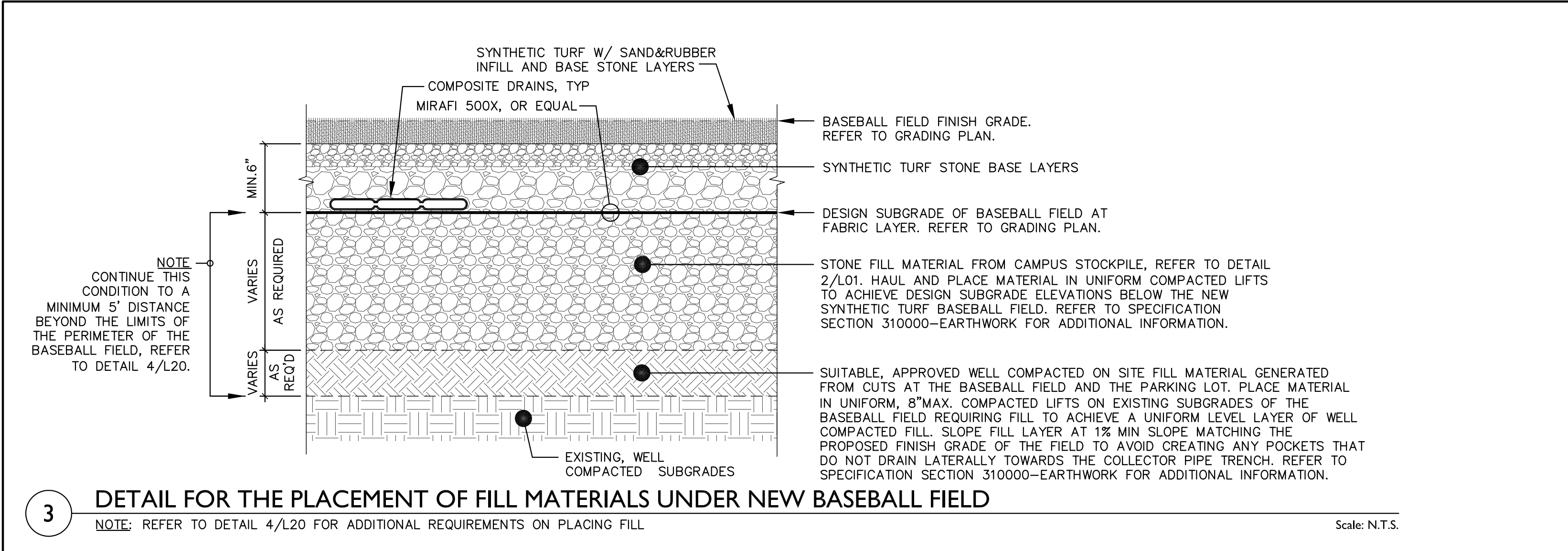
Drawn by:
JTH

Date:
February 1, 2013

Drawing title:
**AREA 2 - PARKING LOT
LAYOUT PLAN**

HMM Project #
11-001

Sheet #
L11



Rev. No.	Date	Description

CONTRACT NOTES:

- UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT. THE SITE WORK CONTRACTOR SHALL PERFORM ALL ELECTRICAL TRENCHING AND BACKFILL AS REQUIRED BY THE 'E' DRAWINGS, AND DIV. 26 SPECIFICATIONS. COORDINATE ALL WORK WITH THE ELECTRICAL WORK CONTRACTOR.

DRAWING NOTES:

- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SITE PHASING AND EARTHWORK NOTES ON DRAWING L01 FOR SITE PHASING AND PREPARATION REQUIREMENTS.
- REFER TO STONE STOCKPILE NOTES ON DRAWING L01 FOR INFORMATION ON ON-SITE MATERIALS AVAILABLE FOR USE AS FILL ON THIS PROJECT SITE.
- UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS, ALL AREAS REQUIRING FILLS TO MEET PROPOSED SUBGRADE ELEVATIONS UNDER NEW IMPROVEMENTS, OTHER THAN LAWN AREAS, SHALL BE MADE WITH TYPE 1 OR TYPE 2 FILL, REFER TO SPEC. SECTION 31 00 00-EARTHWORK FOR ADDITIONAL INFORMATION.
- ALL EXCAVATED FACES ARE TO BE CROWNED AND SLOPED AND PROOF ROLLED TO DIRECT ALL STORM WATER TO THE PERIPHERY WHERE SHALES AND SUMPS ARE TO BE LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR Dewatering THE SITE AT ALL TIMES. SOILS CONTAMINATED DUE TO IMPROPER EARTHWORK ACTIVITIES AND Dewatering DEVICES ARE TO BE REMOVED AND REPLACED WITH TYPE 1 OR TYPE 2 FILL AT THE CONTRACTORS EXPENSE. REFER TO SECTIONS 02 05 00-REPORTS ON EXPLORATION AND 31 00 00-EARTHWORK FOR ADDITIONAL INFORMATION.
- TOPSOIL SHALL BE STRIPPED FROM 'CUT AREAS' TO FULL DEPTH, MECHANICALLY SCREENED AND STOCKPILED ON SITE AT THE LOCATIONS AGREED UPON AT THE PRECONSTRUCTION MEETING. CONTRACTOR SHALL TEST AND AMENDED THE TOPSOIL PER SPECIFICATIONS PRIOR TO REDISTRIBUTING DURING FINAL GRADING OPERATIONS.
- SEE SPECIFICATION SECTIONS 32 92 00-LAWNS AND GRASSES FOR SUBGRADE AND TOPSOIL PREPARATIONS BELOW PROPOSED LAWN AREAS.
- ALL AREAS NOT SPECIFICALLY INDICATED TO RECEIVE IMPROVED SURFACING (I.E. TURF, ASPHALT, CONCRETE, PLANTINGS, ETC.) WITHIN THE CONTRACT LIMIT LINE SHALL BE FINE GRADED, SEEDED, FERTILIZED, AND MULCHED PER THE SPECIFICATIONS. VARIATIONS IN FINE GRADING SHALL NOT EXCEED TOLERANCES INDICATED IN SPECIFICATIONS.
- ALL STORM (ST) PIPE IS TO BE SOLID HDPE DOUBLE WALL SMOOTH INTERIOR PIPE. REFER TO SPEC SECTION 33 40 00-STORM DRAINAGE FOR ADDITIONAL INFORMATION.
- ALL UNDERDRAIN (UD) PIPE IS TO BE PERFORATED HDPE DOUBLE WALL SMOOTH INTERIOR PIPE. REFER TO SPEC SECTION 33 40 00-STORM DRAINAGE FOR ADDITIONAL INFORMATION.
- ALL PERFORATED DRAINAGE PIPE USE WITHIN THE BIO-RETENTION BASIN AREA CAN BE SINGLE WALL CORRUGATED POLYETHYLENE PIPE.
- THE CONTRACTOR MAY INCREASE THE DEPTH OF TOPSOIL FILL IN THE PROPOSED LAWN AREAS REQUIRING FILLS TO ACHIEVE PROPOSED FINISH GRADES TO SPOIL SOME EXCESS. TOPSOIL MAY NOT BE USED AS FILLS UNDER ANY PROPOSED SURFACES OTHER THAN PROPOSED LAWN AREAS. ADDITIONALLY, THE CONTRACTOR MAY TEST AND AMEND ANY EXCESS EXISTING TOPSOIL TO MEET THE REQUIREMENTS OF THE BIO-RETENTION PLANTING SOIL SPECIFIED IN DETAIL 3/C01. REFER TO DETAIL 4/L20 FOR ADDITIONAL INFORMATION ON USE OF TOPSOIL AS FILL.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex

h m h
site & sports
design

Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

Civil Engineer	Electrical Engineer	Structural Engineer
 E. J. J. Associates 1000 N. STATE STREET ITHACA, NEW YORK 14850 PHONE: 607-277-4000 FAX: 607-277-4004	 M. J. J. Associates 1000 N. STATE STREET ITHACA, NEW YORK 14850 PHONE: 607-277-4000 FAX: 607-277-4004	 Elwyn Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607-272-5000 www.ElwynPalmer.com

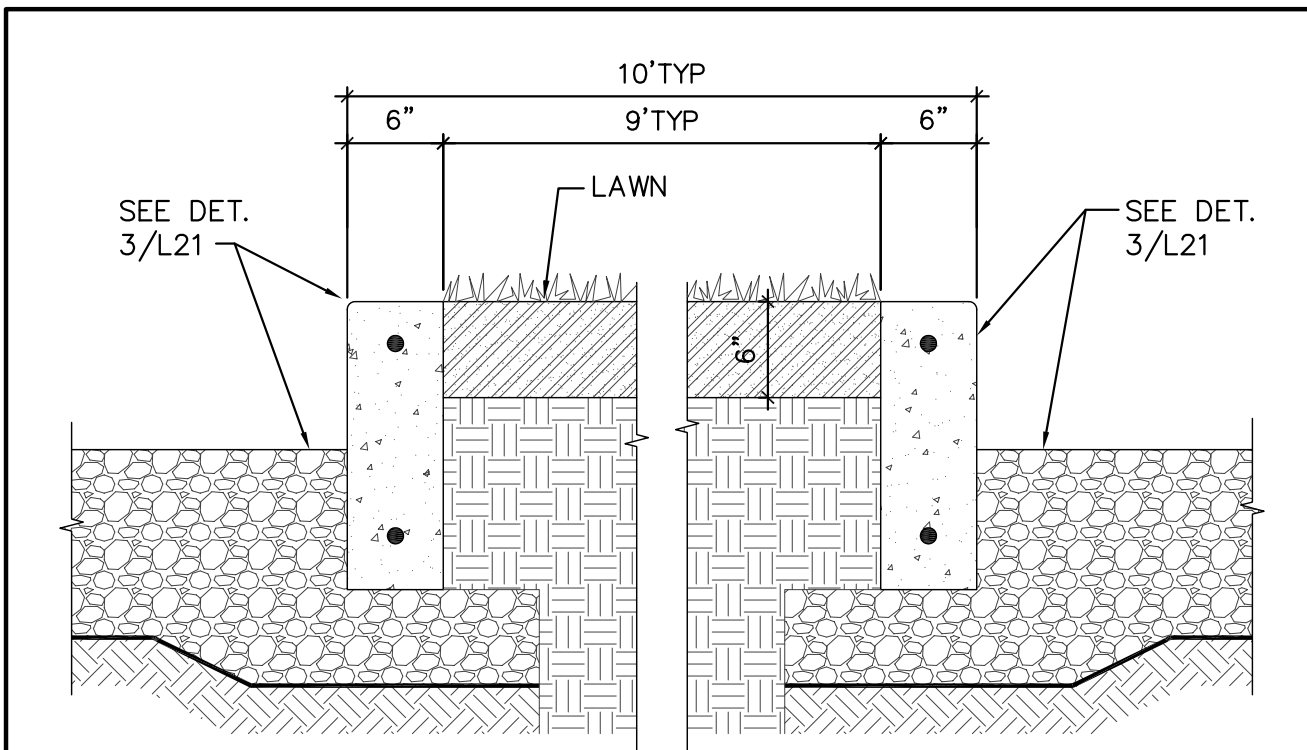
Drawn by:
JTH

Date:
February 1, 2013

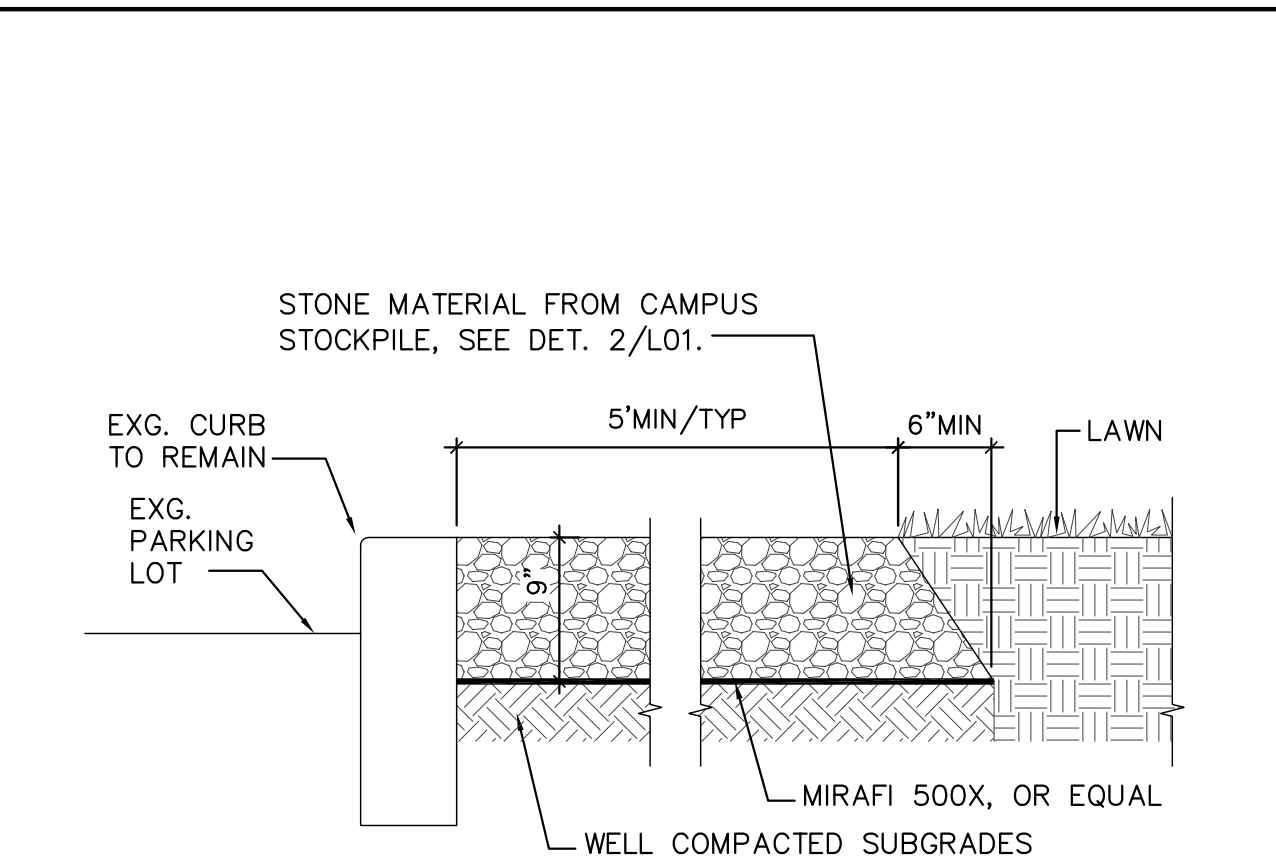
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**AREA 1 - BASEBALL FIELD
GRADING AND DRAINAGE
PLAN**

HMH Project #
11-001

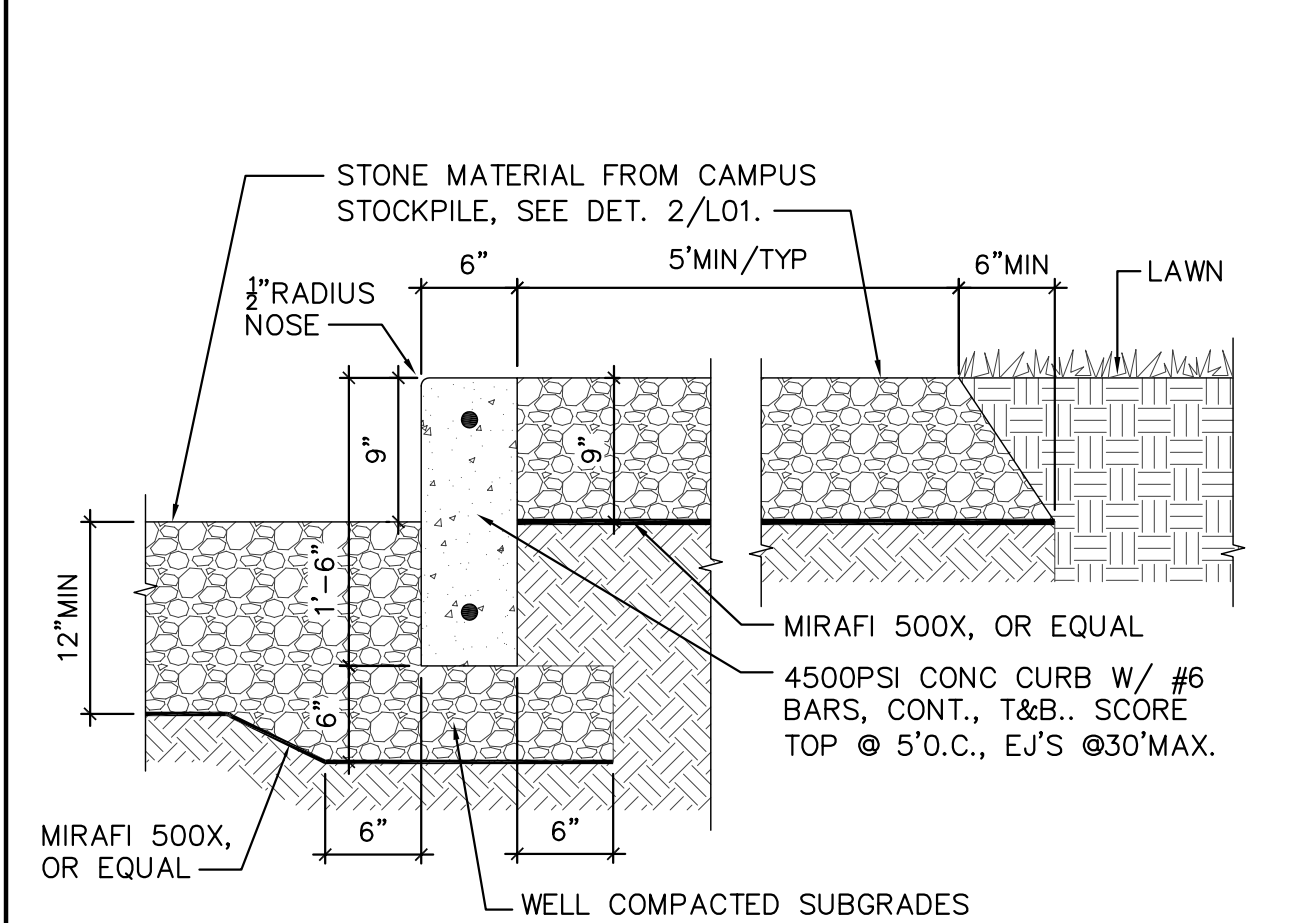
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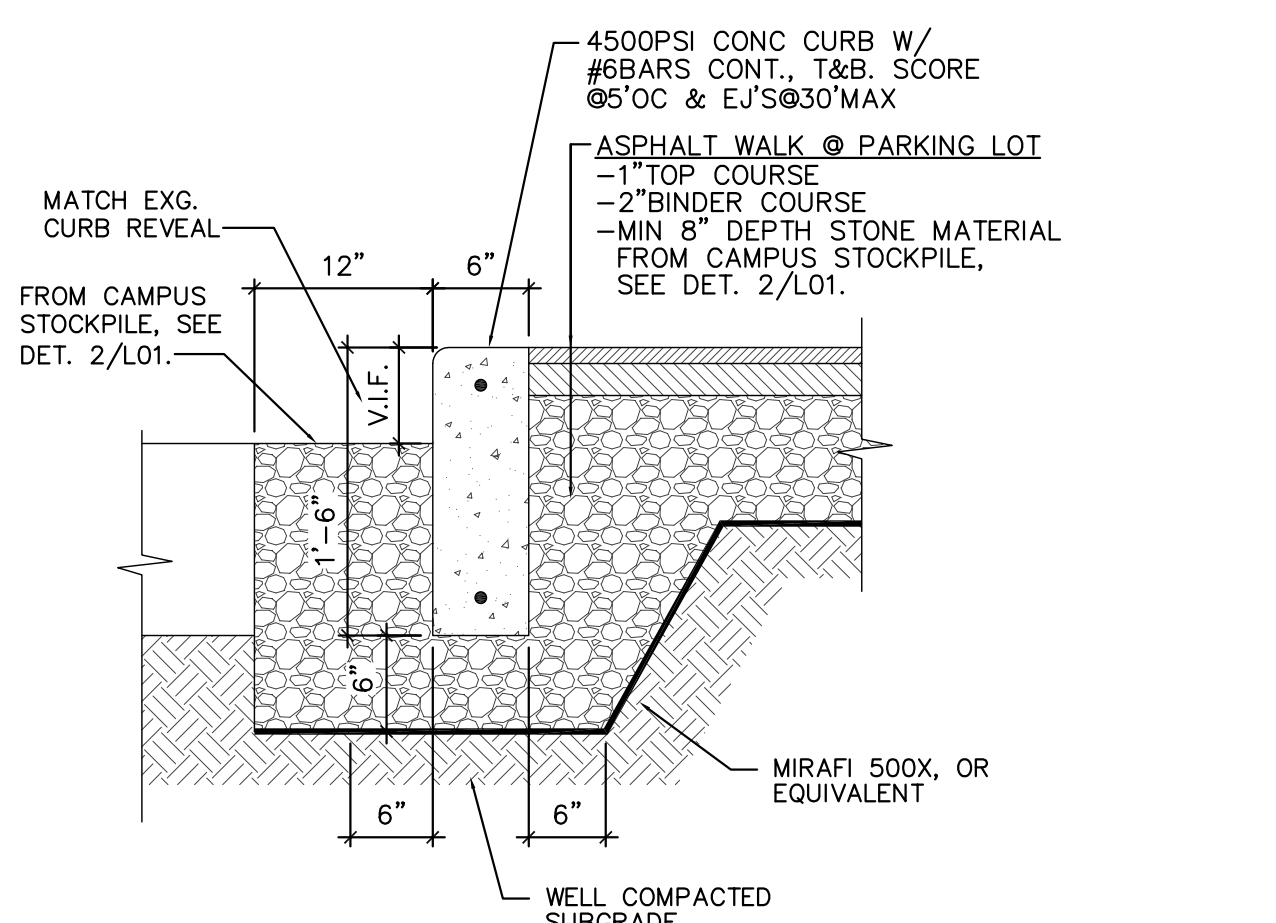
2 SECTION AT PARKING LOT ISLAND
Scale: 1"=1'-0"



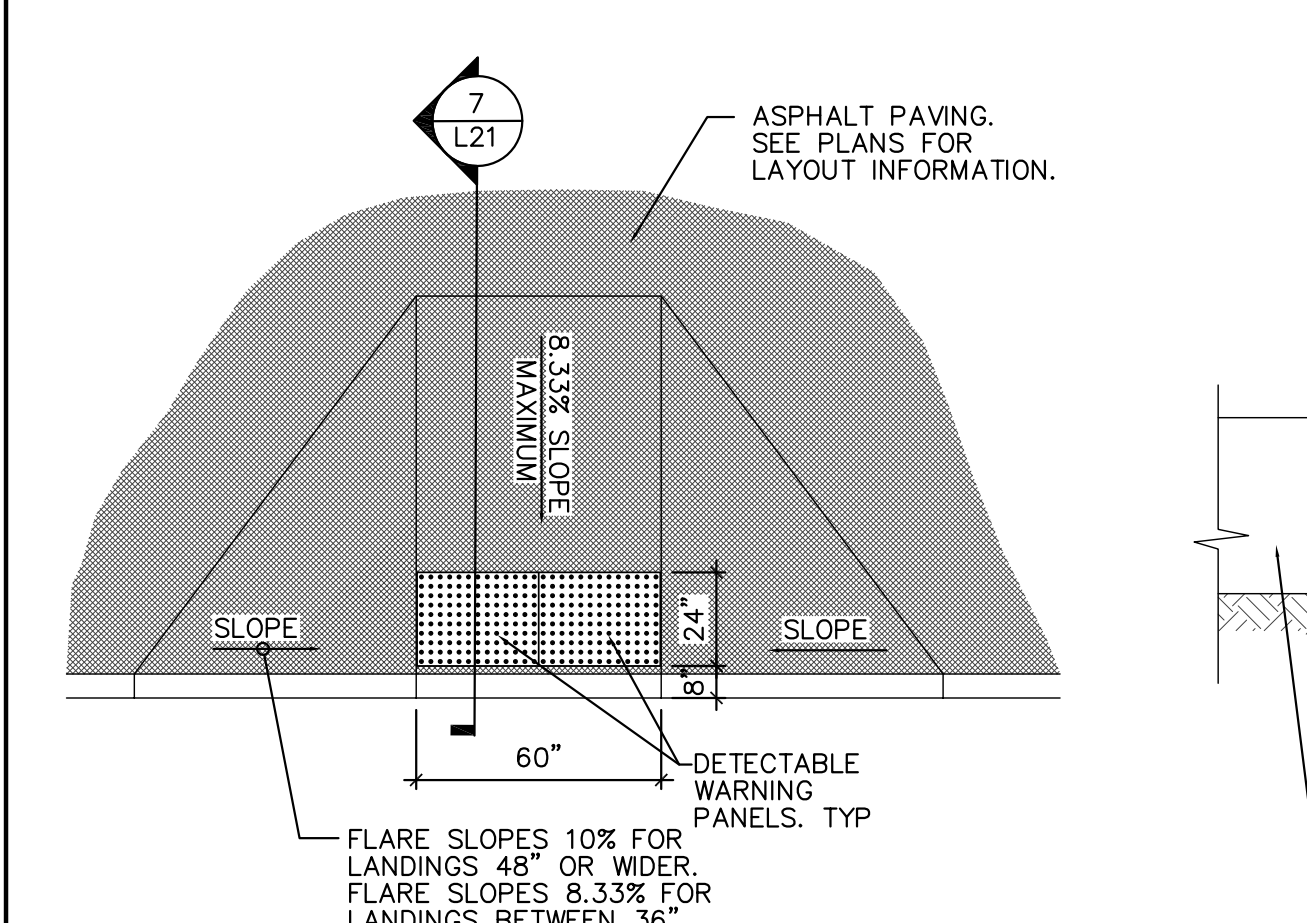
4 GRAVEL WALK AT EXG. CURB
Scale: 1"=1'-0"



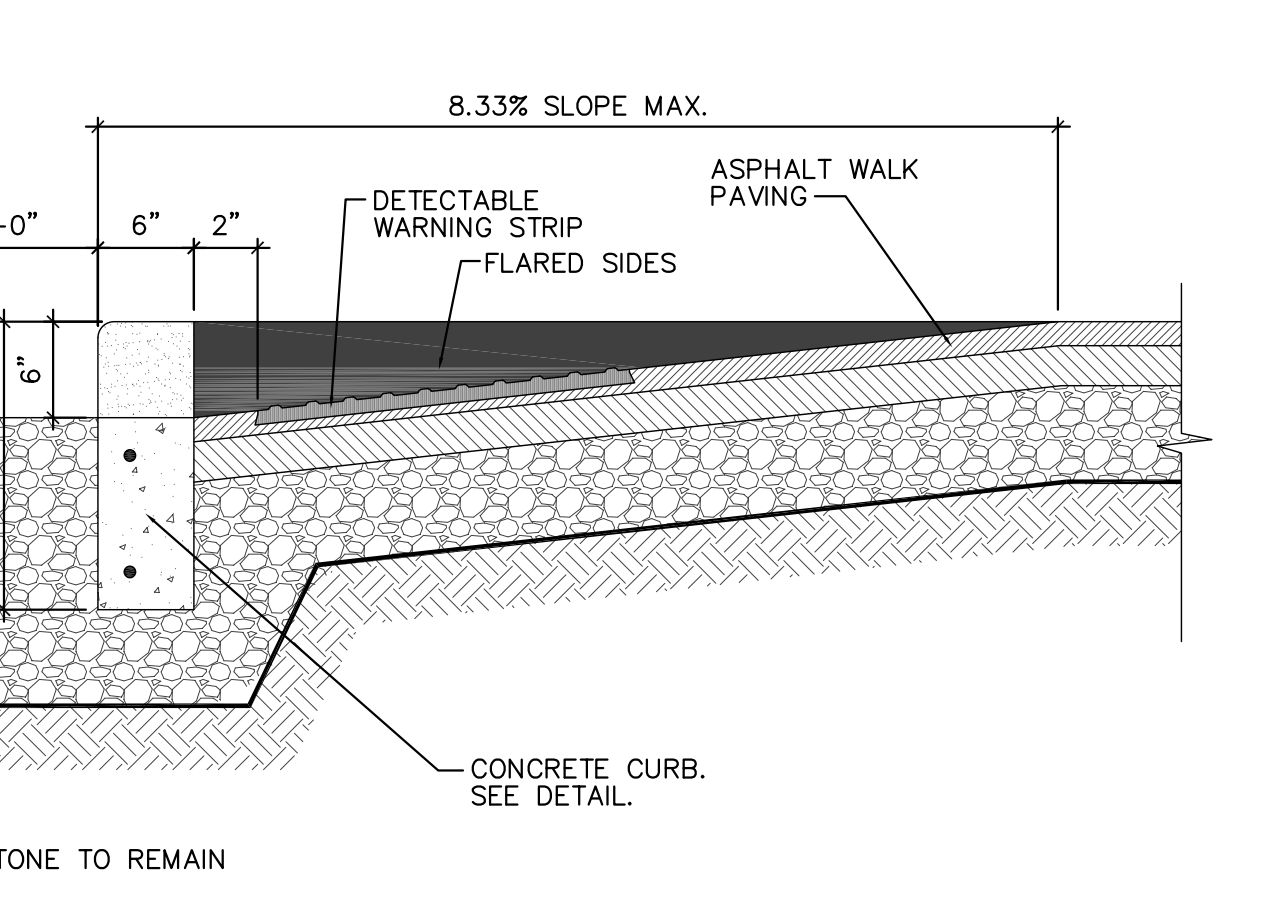
3 GRAVEL PARKING LOT, WALK AND CONC. CURB SECTION
Scale: 1"=1'-0"



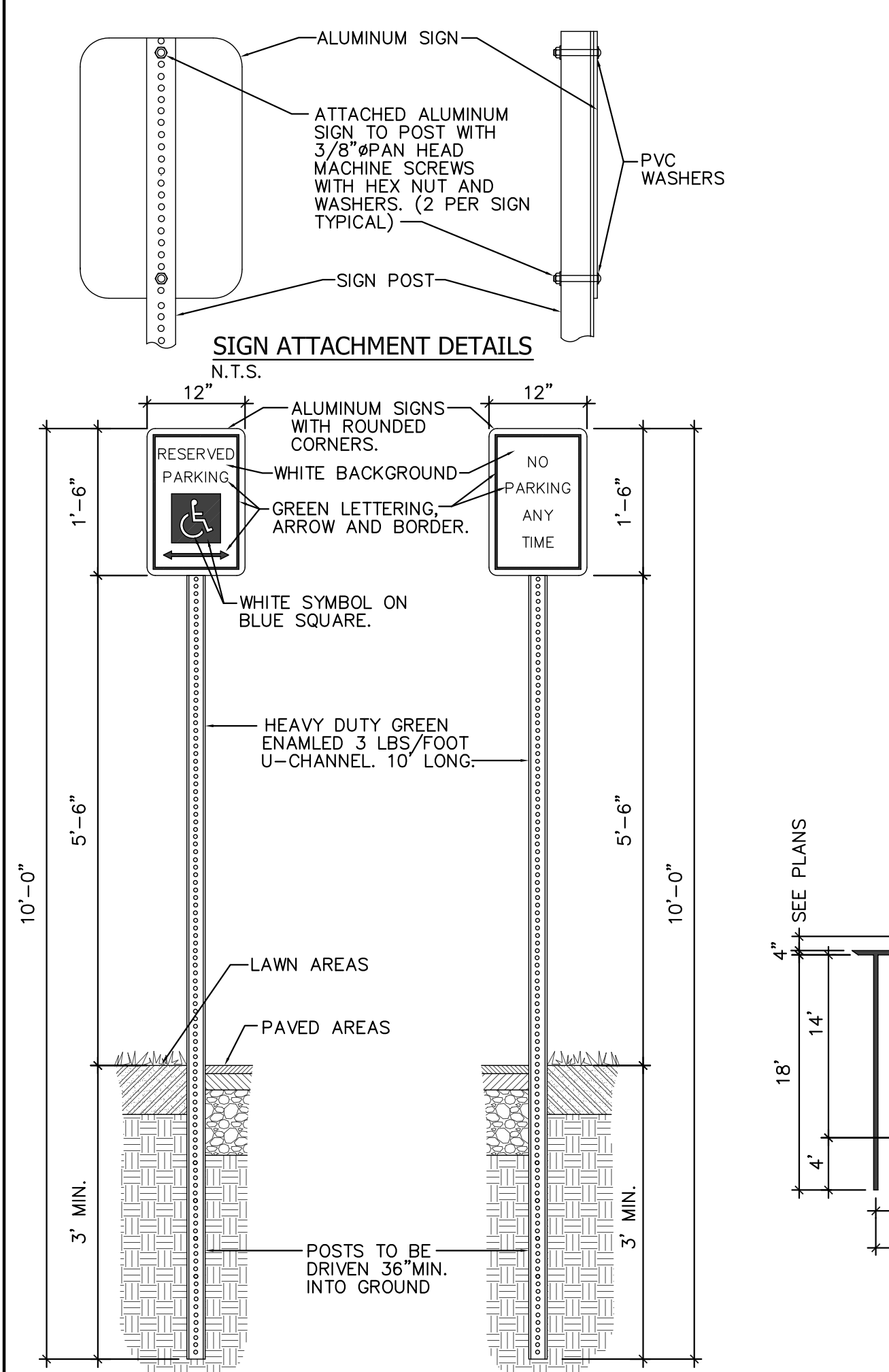
5 CONCRETE CURB @ ASPHALT WALK
Scale: N.T.S.



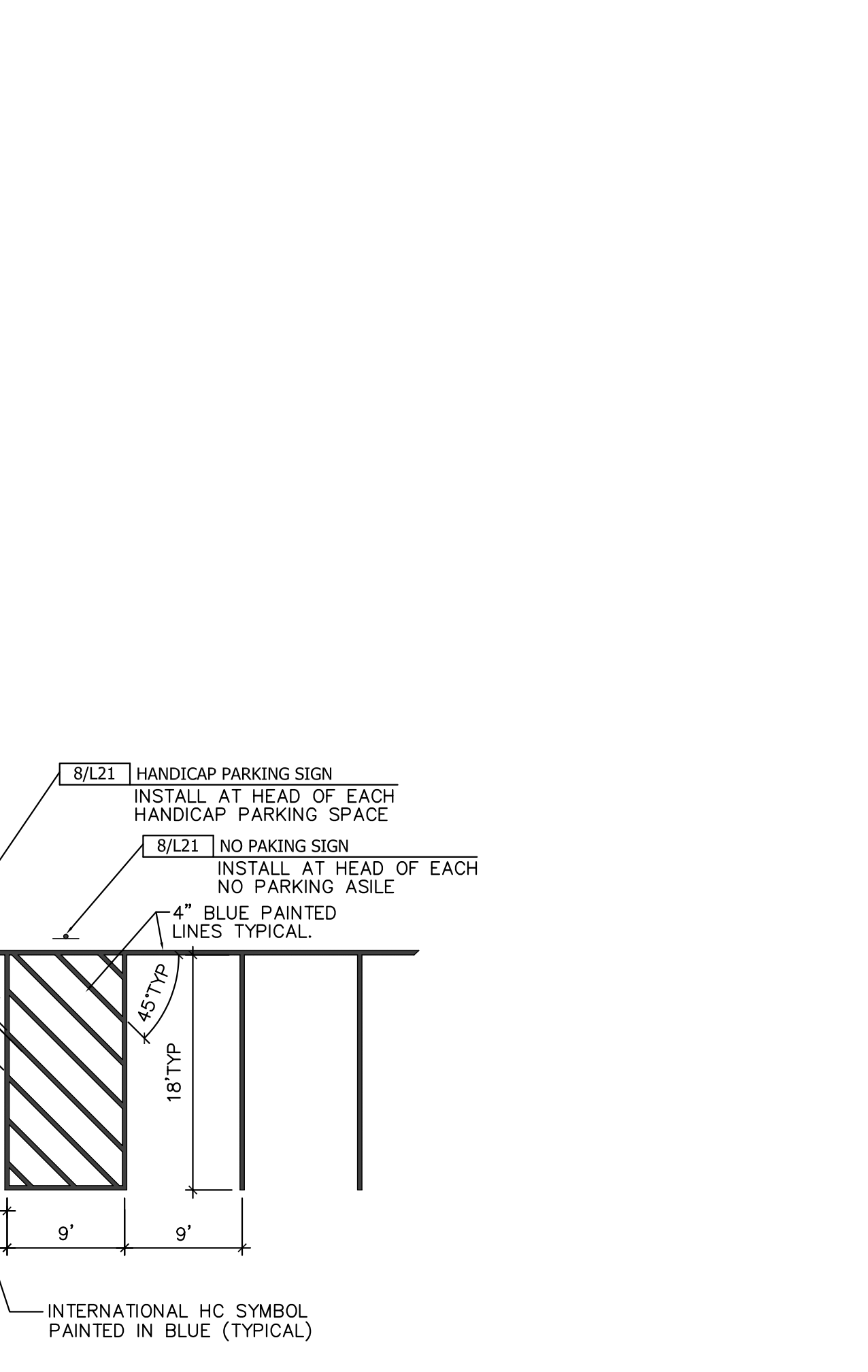
6 CURB CUT @ ASPHALT WALK
Scale: 1/4"=1'-0"



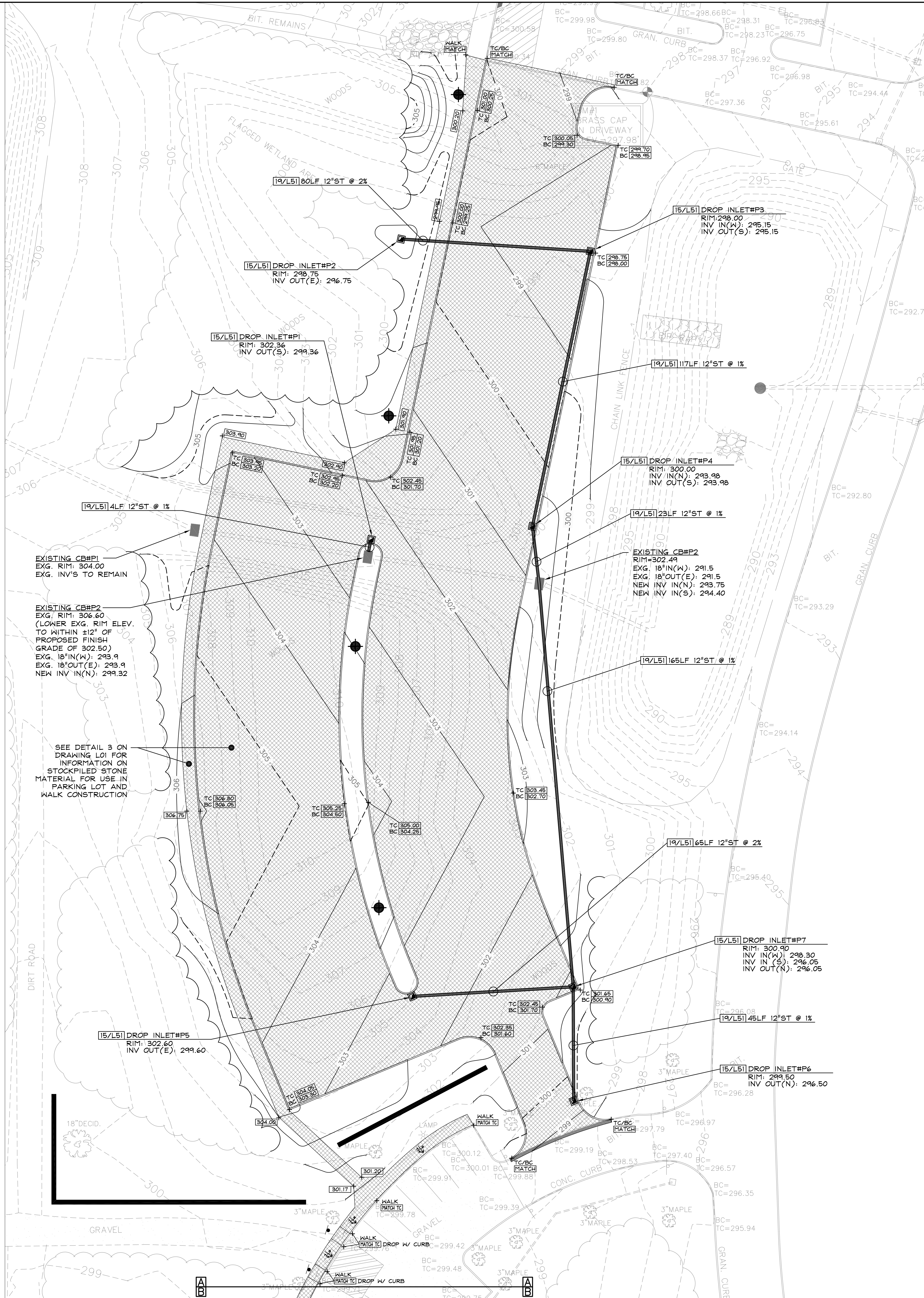
7 CURB CUT SECTION @ ASPHALT WALK
Scale: N.T.S.



8 HANDICAP AND NO PARKING SIGNS
Scale: 3/4"=1'-0"



9 HC PARKING STALL LINESTRIPING
Scale: 1"=10'-0"



1 AREA 2 - PARKING LOT GRADING AND DRAINAGE PLAN
Scale: 1"=20'-0"

Rev. No.	Date	Description

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- ALL UNDERDRAIN (UD) PIPE IS TO BE PERFORATED HDPE DOUBLE WALL SMOOTH INTERIOR PIPE. REFER TO SPEC SECTION 33 40 00-STORM DRAINAGE FOR ADDITIONAL INFORMATION.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex

h m h
site & sports
design

Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

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E. J. Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607.272.5000 www.elwynpalmer.com	M. J. Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607.272.5000 www.elwynpalmer.com	E. J. Palmer CONSULTING ENGINEERS, PLLC. Ithaca, New York 607.272.5000 www.elwynpalmer.com

Drawn by:
JTH

Date:
February 1, 2013

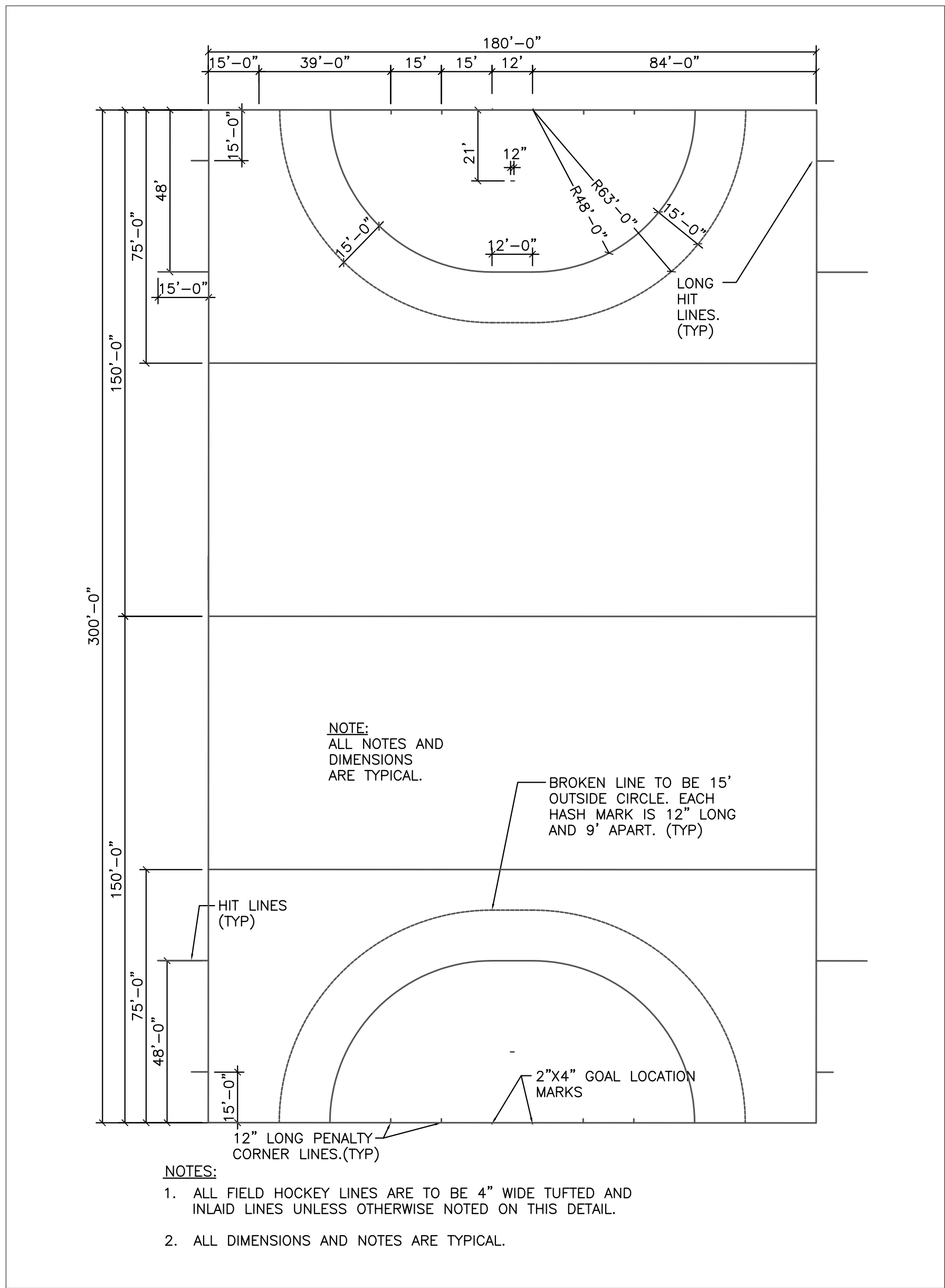
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**AREA 2 - PARKING LOT
GRADING AND DRAINAGE
PLAN AND DETAILS**

HMM Project #
11-001

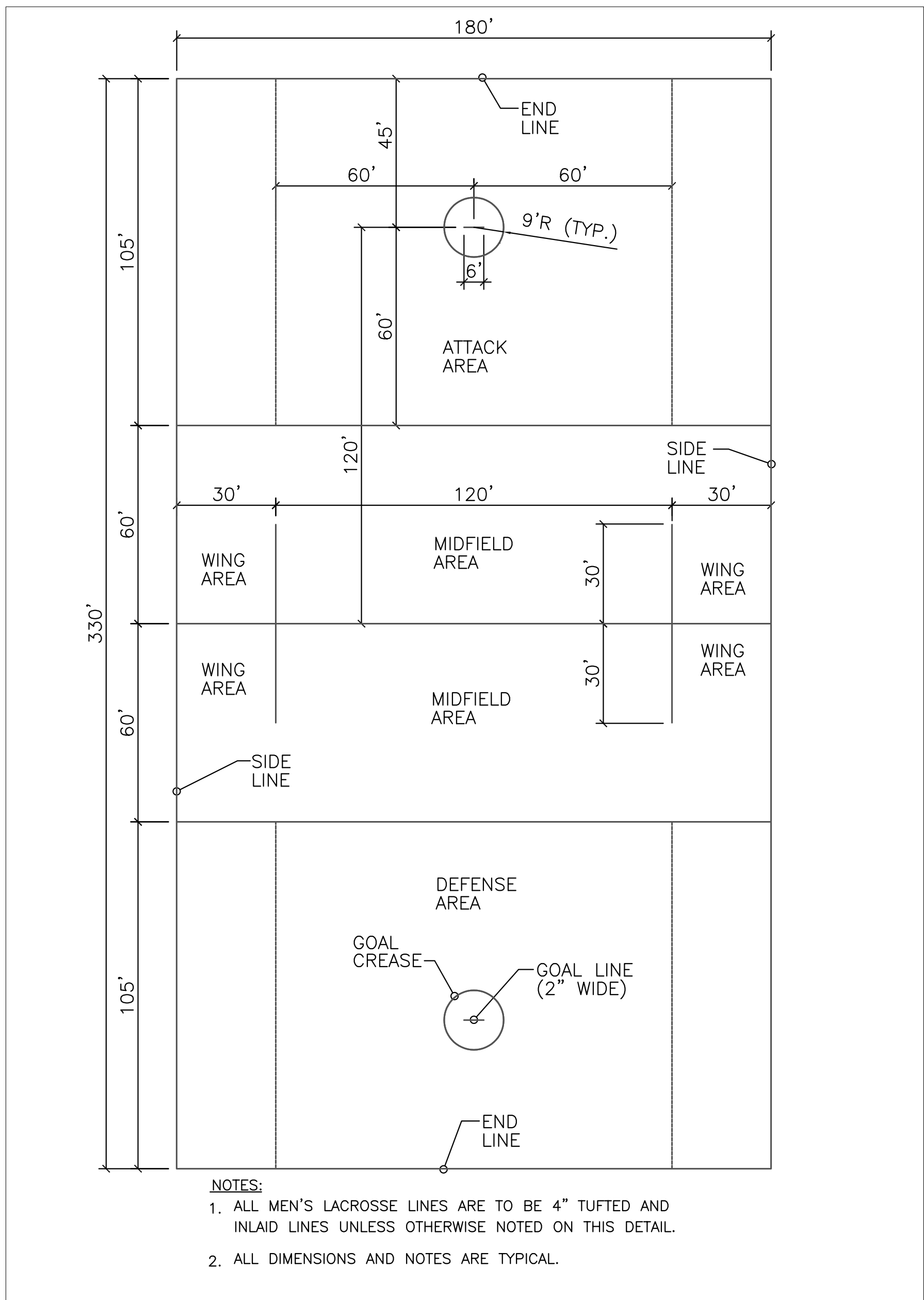
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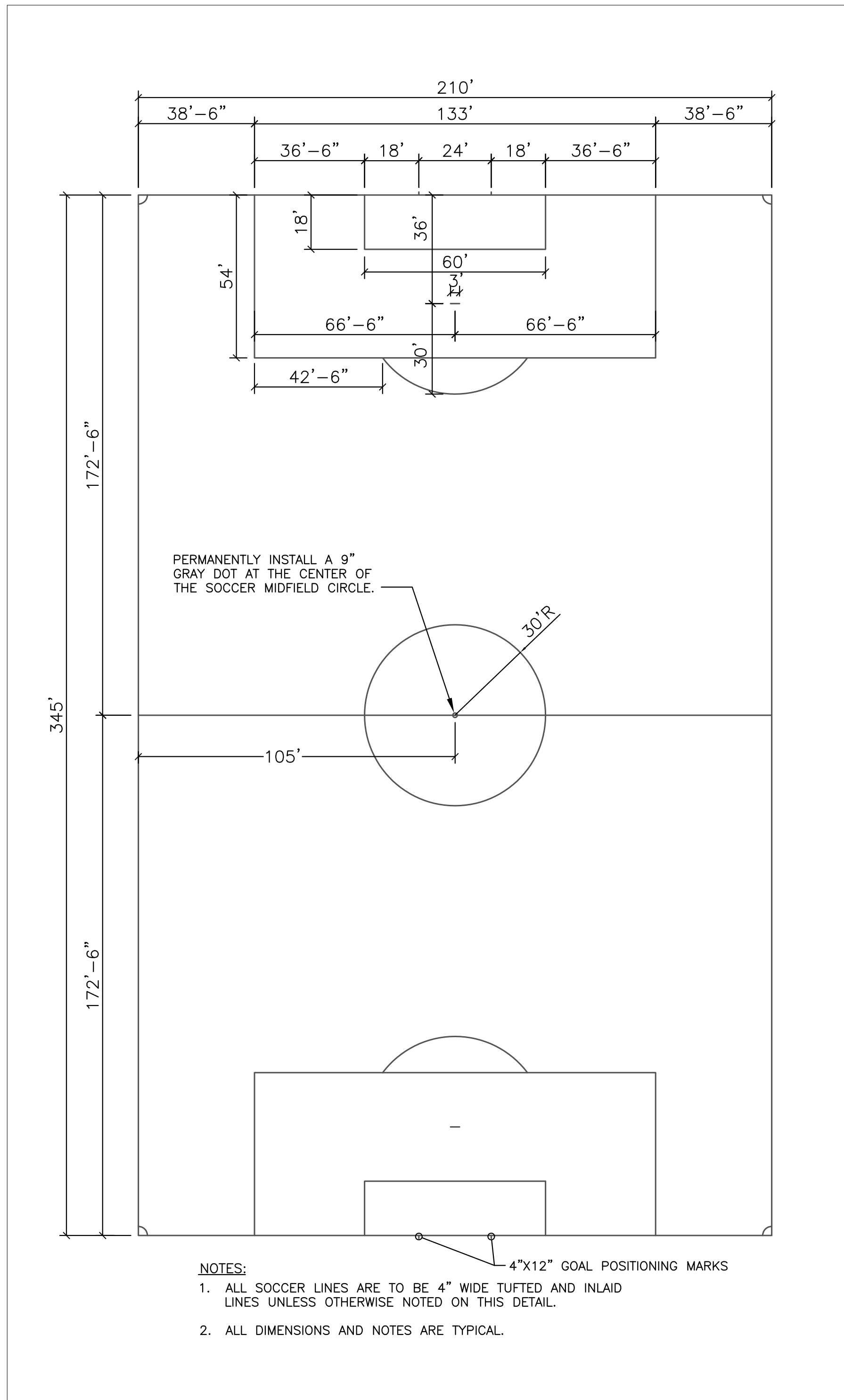
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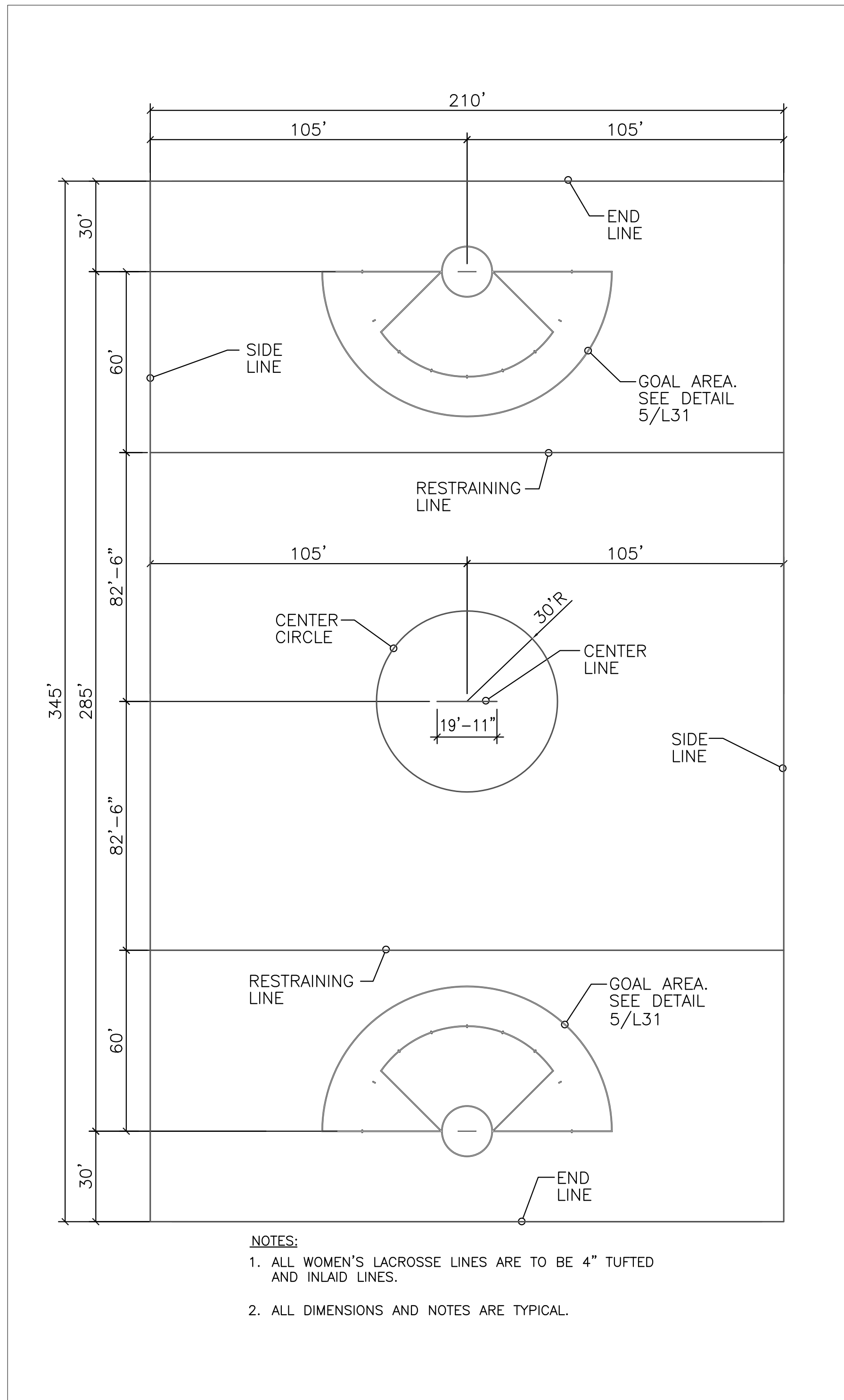
1 FIELD HOCKEY LINESTRIPING LAYOUT
Scale: 1"=30'-0"



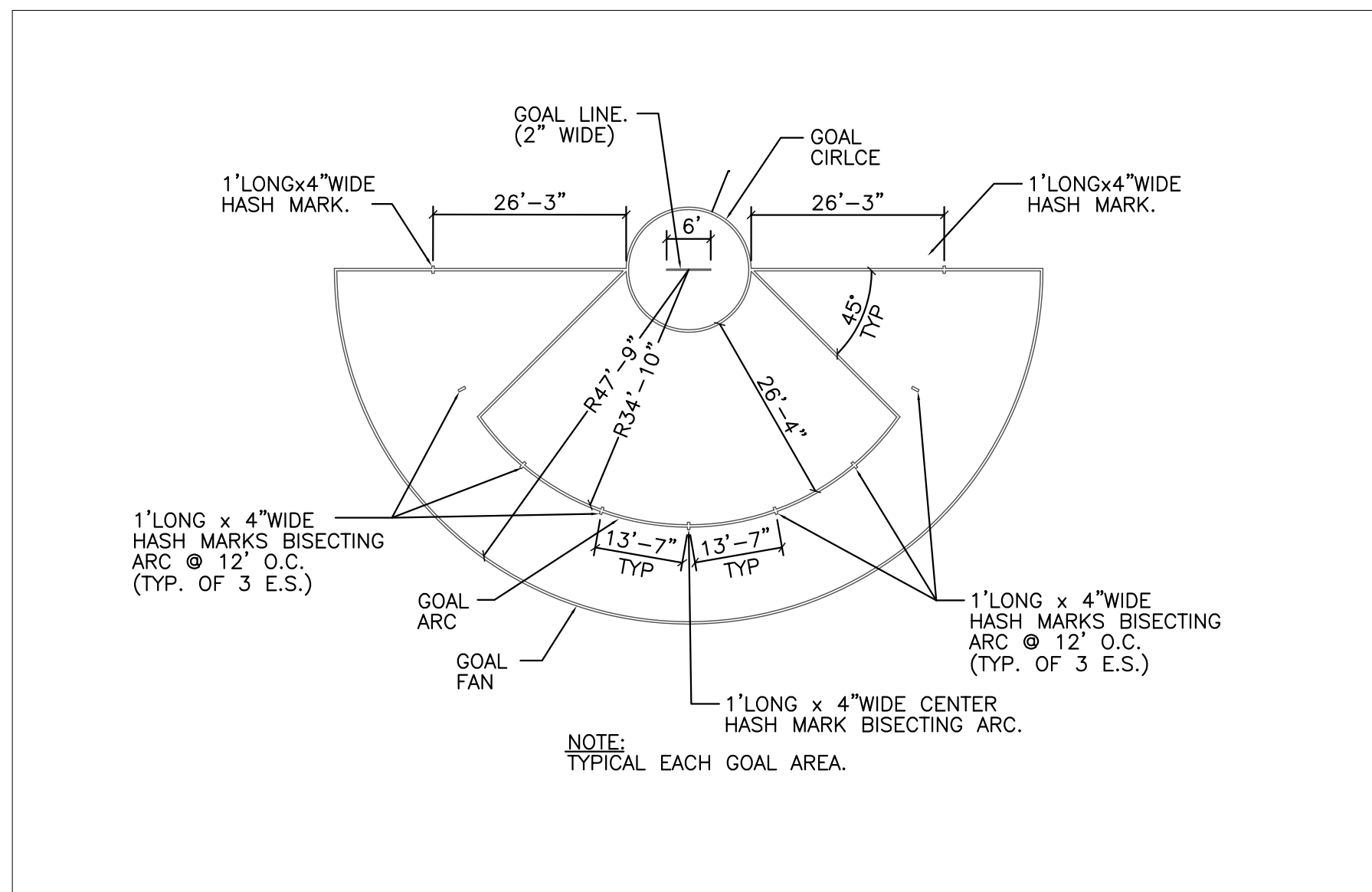
2 MEN'S LACROSSE FIELD LINESTRIPING LAYOUT
Scale: 1"=30'-0"



3 SOCCER FIELD LINESTRIPING LAYOUT
Scale: 1"=30'-0"

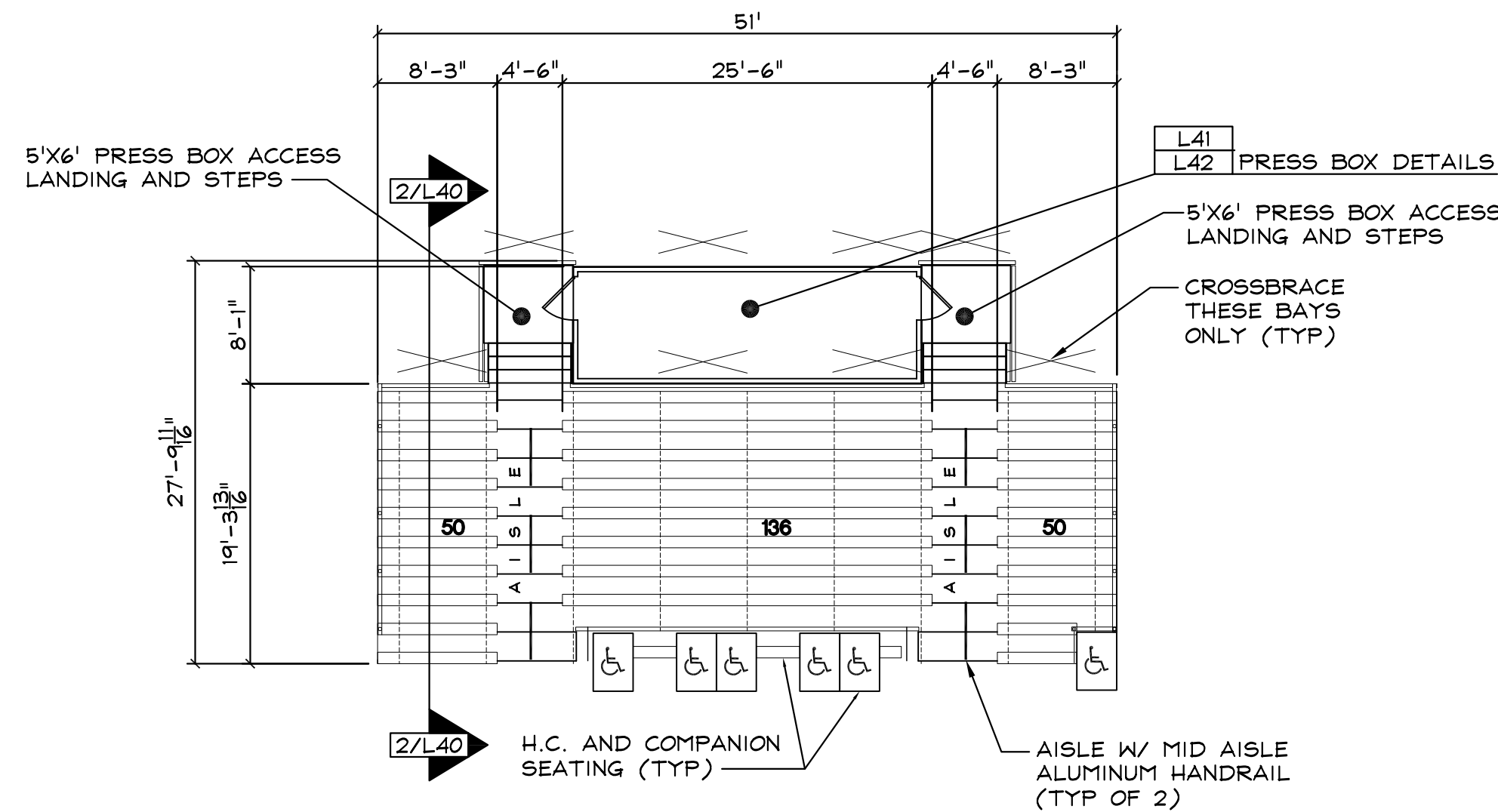


4 WOMEN'S LACROSSE FIELD LINESTRIPING LAYOUT
Scale: 1"=30'-0"



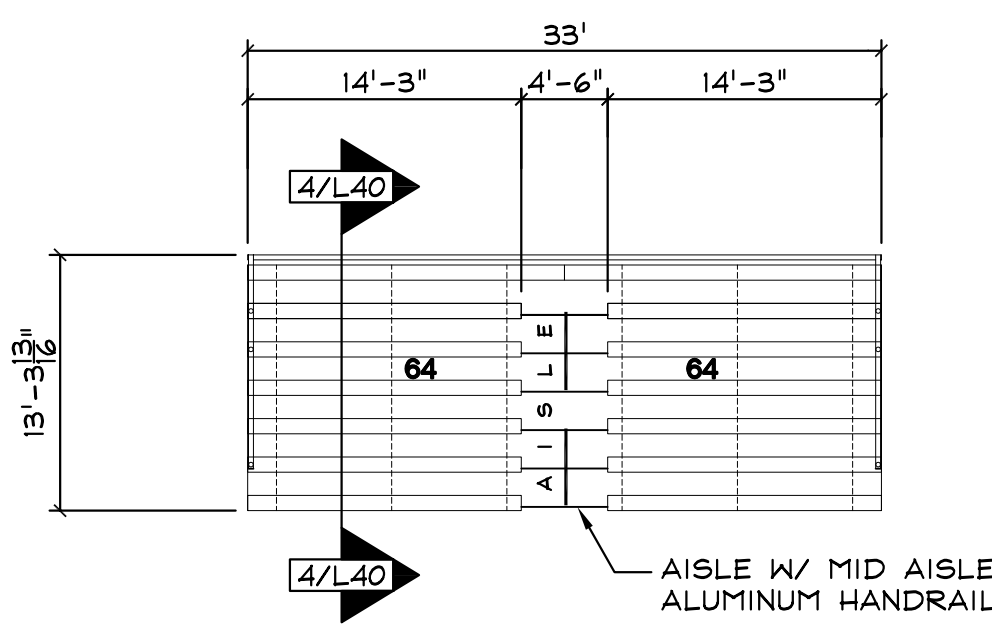
5 WOMEN'S LACROSSE GOAL DETAIL
Scale: 1"=20'-0"

Rev. No.:	Date:	Description:
CONTRACT NOTES:		
1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.		
DRAWING NOTES:		
1. REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.		
2. REFER TO DRAWING L30 FOR ADDITIONAL SYNTHETIC TURF LINE STRIPING INFORMATION.		



CENTER BLEACHER SYSTEM LAYOUT

10 ROWS, NONELEVATED	
8 : 24 RISE/RUN	
CLOSED DECK SYSTEM-	
BENCH SEATING CAPACITY	234
CHAIR SEATING CAPACITY	0
WHEELCHAIR SEATING CAPACITY	6
COMPANION SEATING CAPACITY	6
TOTAL SEATING CAPACITY	246



1ST & 3RD BASELINE BLEACHER SYSTEM LAYOUT (2 REQUIRED)

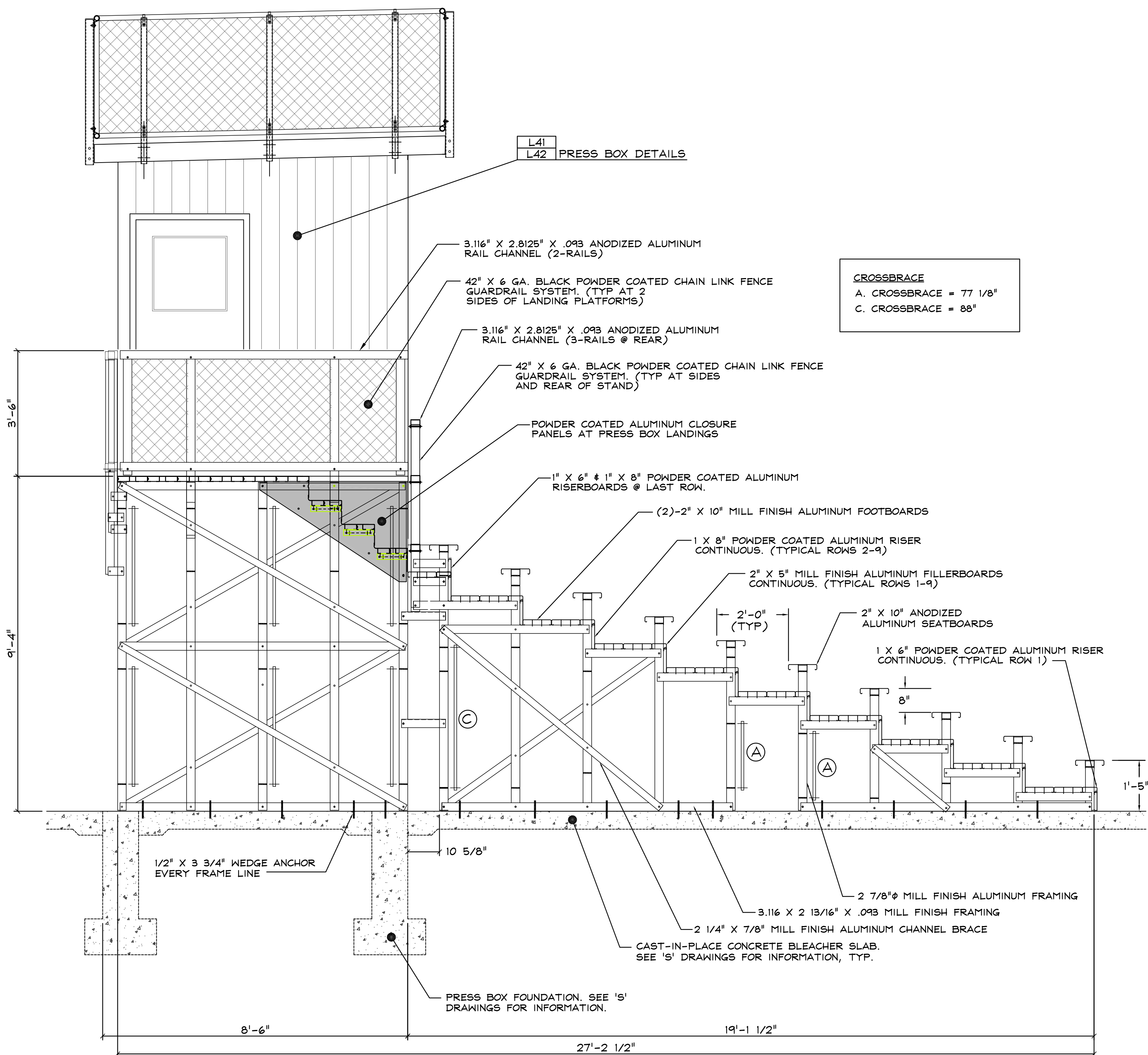
7 ROWS, NONELEVATED	
8 : 24 RISE/RUN	
CLOSED DECK SYSTEM-	
BENCH SEATING CAPACITY	128
CHAIR SEATING CAPACITY	0
WHEELCHAIR SEATING CAPACITY	0
COMPANION SEATING CAPACITY	0
TOTAL SEATING CAPACITY	128

1 BLEACHER TYPE 1: CENTER SYSTEM WITH PRESS BOX

Scale: 1"=10'-0"

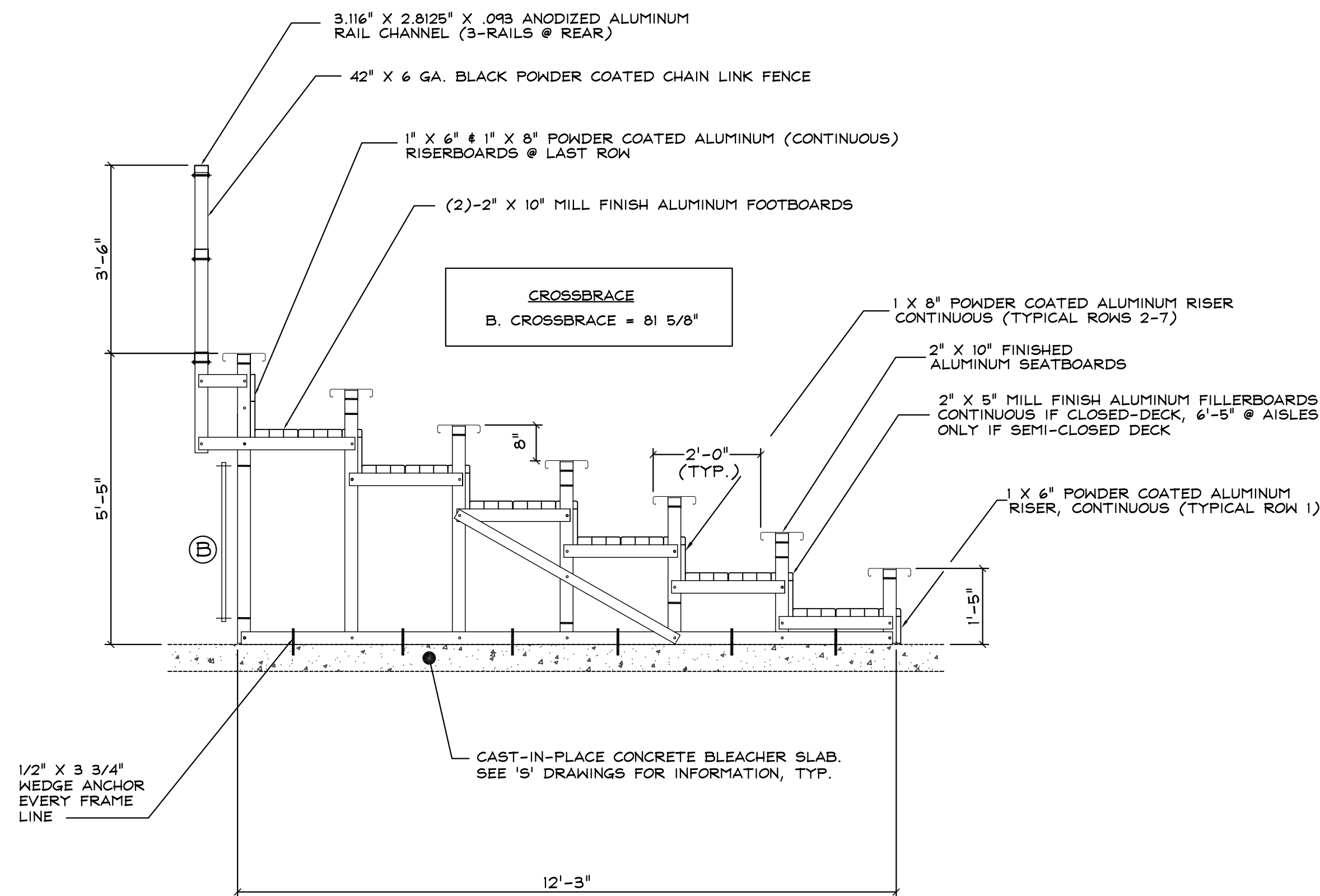
3 BLEACHER TYPE 2: BASELINE BLEACHER SYSTEMS

Scale: 1"=10'-0"



2 TYPE 1 BLEACHER SECTIONS

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



4 TYPE 2 BLEACHER SECTION

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

Rev. No.	Date	Description

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DRAWING NOTES:

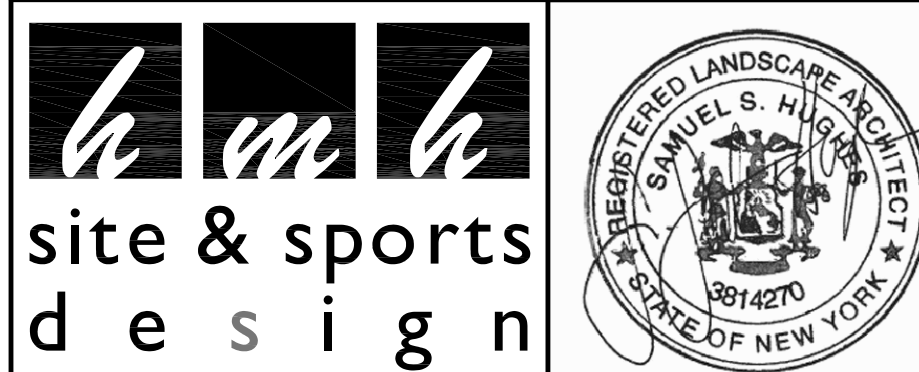
- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- SEE SPECIFICATION SECTIONS 13 34 17 - ANGLE FRAME BLEACHERS AND 13 34 24 - MODULAR PRESS BOX FOR ADDITIONAL INFORMATION.
- SEE 'S' DRAWINGS FOR STRUCTURAL SLAB AND FOUNDATION INFORMATION.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

Civil Engineer 	Electrical Engineer 	Structural Engineer
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Drawn by:
JTH

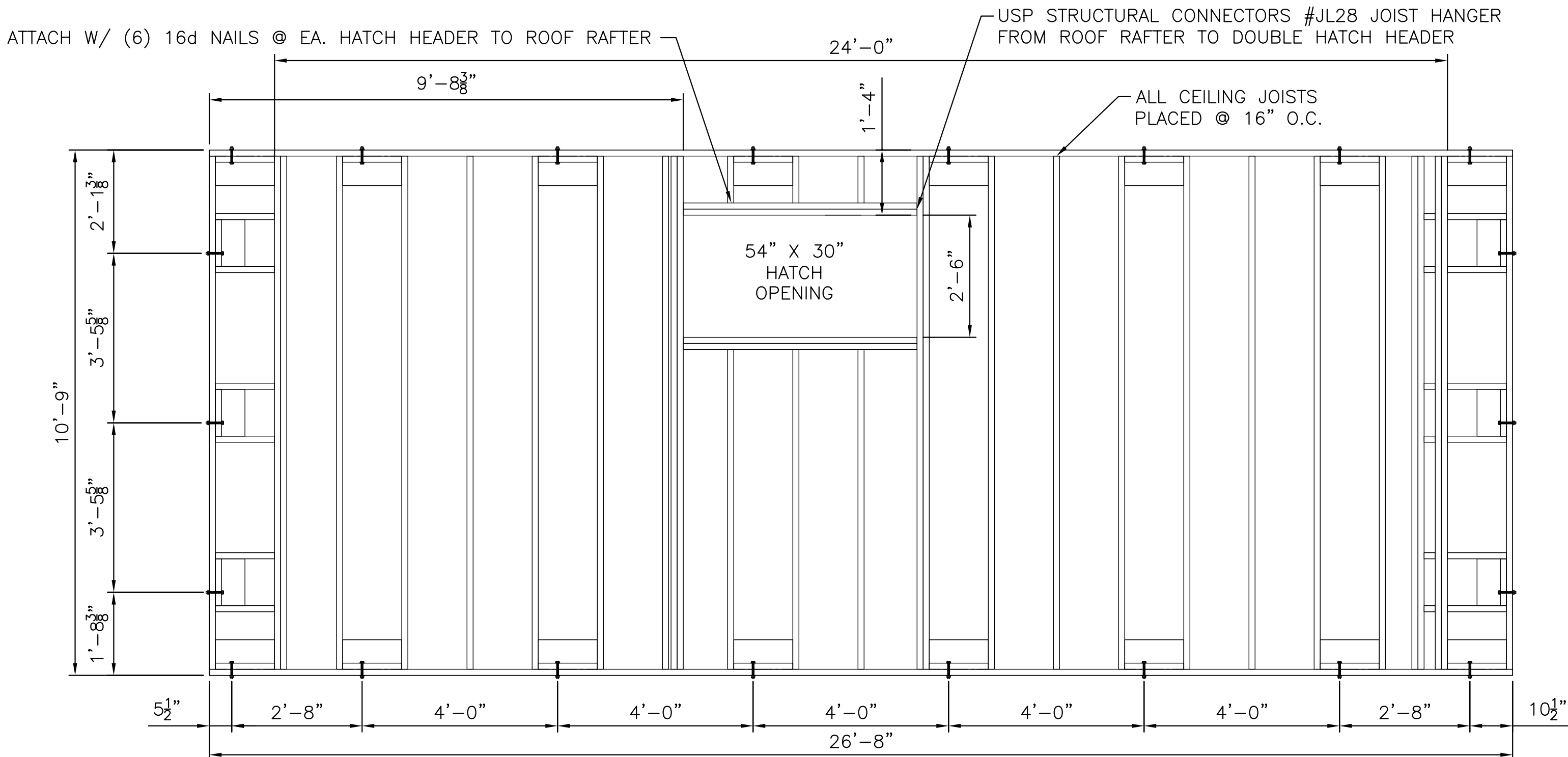
Date:
February 1, 2013

Drawing title:
BLEACHER PLANS AND SECTIONS

HMM Project #
11-001

Sheet #
L40

DESIGN SPECIFICATIONS																	
DESIGN AND CONSTRUCTION		DESIGN LOADS		FASTENING SCHEDULE		GENERAL STRUCTURAL INFORMATION		GENERAL ELECTRICAL INFORMATION									
ALL DESIGN , MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES: NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (TITLE 19, CHAPTER XXIII, (SUBCHAPTER A) OF NEW YORK CODES, RULES AND REGULATIONS)) PART 1221 – BUILDING CODE PART 1222 – PLUMBING CODE PART 1223 – MECHANICAL CODE PART 1224 – FUEL GAS CODE PART 1225 – PROPERTY MAINTENANCE CODE STATE ENERGY CONSERVATION CONSTRUCTION CODE (SUBCHAPTER B) BUILDING CODE OF NEW YORK STATE FIRE CODE OF NEW YORK STATE 2011 NATIONAL ELECTRIC CODE		1. FLOOR DEAD LOAD 2. FLOOR LIVE LOAD 3. ROOF DEAD LOAD 4. ROOF LIVE LOAD 5. WALLS 6. GROUND SNOW LOAD 7. OCCUPANCY GROUP 8. CONSTRUCTION TYPE 9. OCCUPANCY LOAD 10. GUARD RAILS 11. HORIZONTAL WIND 12. CATEGORY 2 WIND LOAD 13. WIND IMPORTANCE FACTOR 14. SEISMIC ZONE		10 PSF 100 PSF 10 PSF 100 PSF 19 PSF 8 PSF 50 PSF A=5 V=8 12 PERSONS 200 LB 50 LB/FT 100 LB/FT P=20 PSF 1.0		UNIFORM VERTICAL PROJECTION DEAD LOAD CONCENTRATED LATERAL LOAD UNIFORM LATERAL LOAD UNIFORM VERTICAL LOAD Vult=115, Vead=90 MPH, EXPOSURE C @ 40' SITE CLASS D DESIGN CATEGORY C		BUILDING ELEMENT STUD TO SOLE PLATE STUD TO CAP PLATE CORNER STUDS SOLE PLATE TO JOIST OR BLOCKING DOUBLE CAP PLATE FLOOR JOISTS DOUBLE EDGE RAIL CEILING JOISTS TO PLATE HEADER BEAMS TO TRIMMERS PLYWOOD ROOF AND WALL SHEATHING (1/2" OR LESS) PLYWOOD ROOF AND WALL SHEATHING (5/8" OR GREATER) PLYWOOD SUBFLOORING (5/8", 3/4") PARTICLE BOARD ROOF AND WALL SHEATHING (1/2" OR LESS) PARTICLE BOARD ROOF AND WALL SHEATHING (5/8" OR GREATER) SHEARWALL (END) TO RAFTERS RAFTER TO TOP PLATES		FASTENER 15GA x 2 1/2" LONG GALVANIZED STAPLE 15GA x 2 1/2" LONG GALVANIZED STAPLE #8X3" SCREW 16d COMMON 15GA x 2 1/2" LONG GALVANIZED STAPLE 16d COMMON 16d COMMON 16d COMMON 15GA x 2 1/2" LONG GALVANIZED STAPLE 16GA x 1 1/2" LONG GALVANIZED STAPLE 16GA x 2" LONG GALVANIZED STAPLE 6d RING SHANK 16GA x 1 1/2" LONG GALVANIZED STAPLE 16GA x 2" LONG GALVANIZED STAPLE 16d NAILS (1) #8X4 SCREW		NUMBER AND LOCATION (4) DIRECT (4) DIRECT 12" O.C. DIRECT 16" O.C. (9" O.C. AT SHEARWALLS) (2) 12" O.C. DIRECT MIN. (3) DIRECT MIN. (3) DIRECT MIN. (3) DIRECT (6) EACH END OR (8) TOE NAIL 4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS 4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS 6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE SUPPORTS 4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS 4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS 12" O.C. TOED EACH RAFTER		1. INTERIOR PARTITIONS TO BE CONSTRUCTED TO WITHSTAND A 5 PSF HORIZONTAL FORCE. 2. INTERIOR WALL BOARD SHALL BE 5/8" NOMINAL THICKNESS. TESTED W/ MATERIALS SUSPENDED FROM NON-COMBUSTIBLE BACKING 3. ALL LUMBER TO BE GRADED AND MARKED. 4. COMPRESSION PLATE REQUIRED TO ENDURE WOOD TO WOOD CONTACT AT BEARING WALL TO ROOF JOINT CONNECTIONS. 5. DADOS AND NOTCHING NOT TO OCCUR IN THE CENTER 1/3 OF LENGTH OF WALL STUD. 6. EXTERIOR BRACING PROVIDED BY 1" CDX AND GLUED W/ APPROVED PVA GLUE AT ALL STUD TO END WALL CONNECTIONS. 7. APPROVED DATA PLATE AND STATE LABEL TO BE LOCATED ON MAIN ENTRANCE PANEL 8. ON SITE STRUCTURE TO MEET THE FOLLOWING: –LIFT RATING FROM RIM JOIST TO SUPPORT AND RESIST 2100 LBS @ 6'-0" O.C. –RATING OF HORIZONTAL CONNECTION TO BE A MINIMUM OF 2670 LBS @ 6'-0" O.C. –BEARING SUPPORT OF THE UNDERSTRUCTURE TO HAVE MIN. CAPACITY OF 8000 LBS @ 6'-0" O.C. 9. ATTIC VENTILATION SHALL NOT BE LESS THAN 1 / 150 OF THE HORIZONTAL AREA TO BE VENTILATED. 10. THE BUILDING EXTERIOR AND ALL FACILITIES WITHIN THE BUILDING SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. 11. BUILDER/DEALER SHALL BE RESPONSIBLE FOR ON SITE BARRIER FREE PROVISIONS. BUILDING APPROACH SHALL HAVE A MINIMUM WIDTH OF 5' AND A GRADIENT OF NOT MORE THAN 1" IN 20' 12. ALL LOCKS TO BE UNLOCKABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE 13. CORROSION RESISTANT FLASHING AT TOP AND SIDES OF DOORS, WINDOWS AND AT ROOF PENETRATIONS. 14. ALL GLAZING WITHIN A 24" ARC OF VERTICAL DOOR EDGES IN THE CLOSED POSITION TO BE SAFETY GLAZED AND MARKED SO. 15. INTERIOR FINISH SHALL BE CLASS B OR BETTER 16. RESTROOM AND HANDICAPPED RESTROOM FACILITIES ARE TO BE PROVIDED IN AN ADJACENT BUILDING LOCATED ON THE SAME PROPERTY HAVING ADEQUATE FACILITIES TO HANDLE THE ADDITIONAL OCCUPANT LOAD CREATED BY THE ADDITION OF THIS BUILDING TO THE SITE. THE LOCAL OFFICIAL HAVING JURISDICTION SHALL VERIFY THE EXISTENCE OF THESE FACILITIES. 17. THE MINIMUM SEPARATION OF THE UNIT FROM ANY PROPERTY LINE OR ASSUMED PROPERTY LINE IS 15'. 18. THIS BUILDING DOES NOT CONTAIN PLUMBING FACILITIES. PLUMBING FACILITIES SHALL BE PROVIDED ON-SITE SUBJECT TO THE LOCAL AUTHORITY HAVING JURISDICTION. 19. FIRE EXTINGUISHERS SUPPLIED & INSTALLED ON-SITE BY OTHERS APPROVED BY LOCAL JURISDICTION.		1. ALL WIRING TO BE ENCASED IN THIN ALL EMT CONDUIT MIN. 1/2THIN COPPER WIRE. 2. ALL RECEPTACLES TO BE GROUNDING TYPE. 3. MAIN PANEL TO BE MARKED SUITABLE FOR USE AS SERVICE EQUIPMENT, AND TO BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT PROTECTION. 4. PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS. 5. DISCONNECTING MEANS WITHIN SITE REQUIRED FOR ALL MOTORS. 6. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS. 7. PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED AROUND ALL ELECTRICAL EQUIPMENT. 8. ALL FLUORESCENT FIXTURES REQUIRE THERMAL PROTECTION AND PROPER CLEARANCES FROM INSULATION, ALSO APPLICABLE FOR INCANDESCENT FIXTURES. 9. EXIT LIGHTS (IF ELECTRIC) MUST BE FED FROM AN APPROVED EMERGENCY SERVICE CONNECTED AHEAD OF, BUT NOT WITHIN MAIN SERVICE DISCONNECTING MEANS ENCLOSURE, AND INSTALLED AS PER SERVICE REQUIREMENTS, OR BE BATTERY BACK UP TYPE UNITS. 10. SERVICE CONDUCTORS LOCATED WITHIN THE PERIMETER OF THE BUILDING SHALL BE INSTALLED PER 2011 NEC. 11. ELECTRICAL WIRING TO BE INSTALLED PER 2011 NEC.	

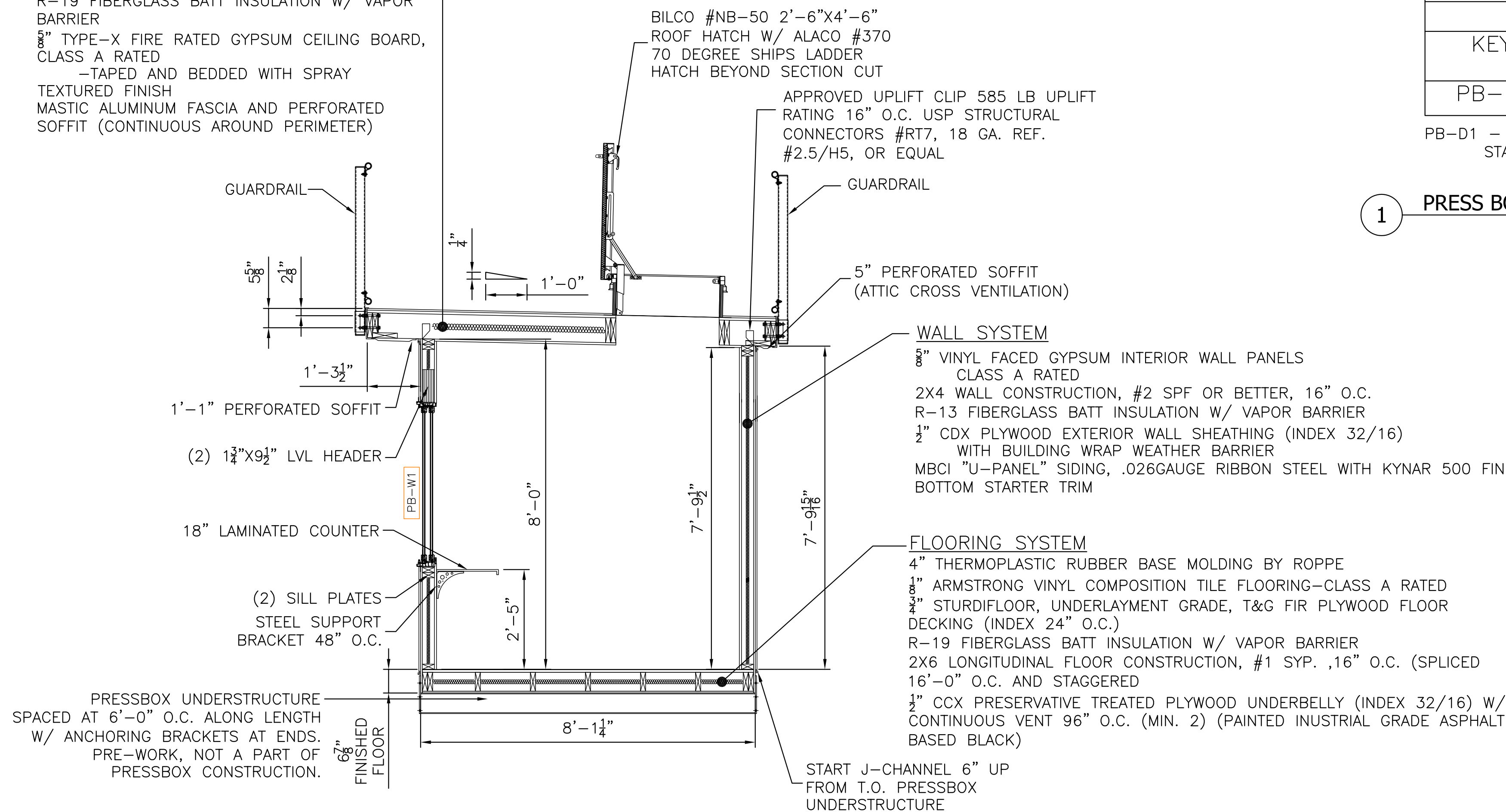


3 PRESS BOX ROOF FRAMING PLAN

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

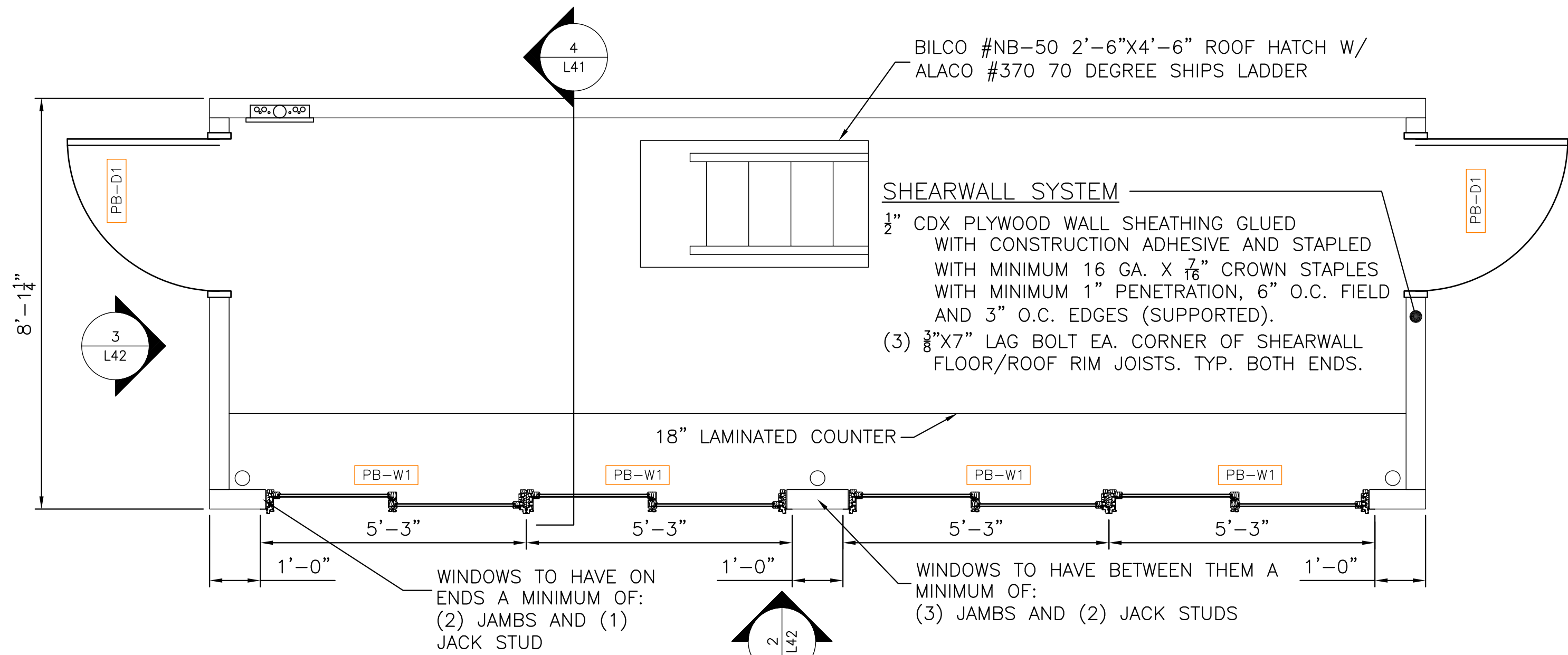
ROOF SYSTEM

DECKING .060 POLYESTER REINFORCED SKID AND SPIKE RESISTANT PVC MEMBRANE FULLY ADHERED
3/4" T&G ORIENTED STRAND BOARD ROOF DECK SHEATHING (INDEX 24" O.C.)
2X8 TRANSVERSE ROOF JOIST SYSTEM, #1 SYP, 16" O.C.
R-19 FIBERGLASS BATT INSULATION W/ VAPOR BARRIER
5/8" TYPE-X FIRE RATED GYPSUM CEILING BOARD, CLASS A RATED
-TAPED AND BEDDED WITH SPRAY
TEXTURED FINISH
MASTIC ALUMINUM FASCIA AND PERFORATED SOFFIT (CONTINUOUS AROUND PERIMETER)



4 PRESS BOX SECTION

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



WINDOW SCHEDULE

KEY	WIDTH	HEIGHT	TYPE	FRAME	U-FACTOR	SHGC
PB-W1	10'-0"	4'-0"	DOUBLE SLIDER	VINYL		

PB-W1 - AMERICAN WINDOW #3300 "EARTHWISE SERIES" DOUBLE HORIZONTAL SLIDERS, W/ EXTRUDED VINYL FRAMES, AAMA LC-25 STRUCTURAL RATING, W/ 3/4" INSULATED LOW-E, ARGON FILLED TEMPERED GLASS AND REMOVABLE INSECT SCREENS

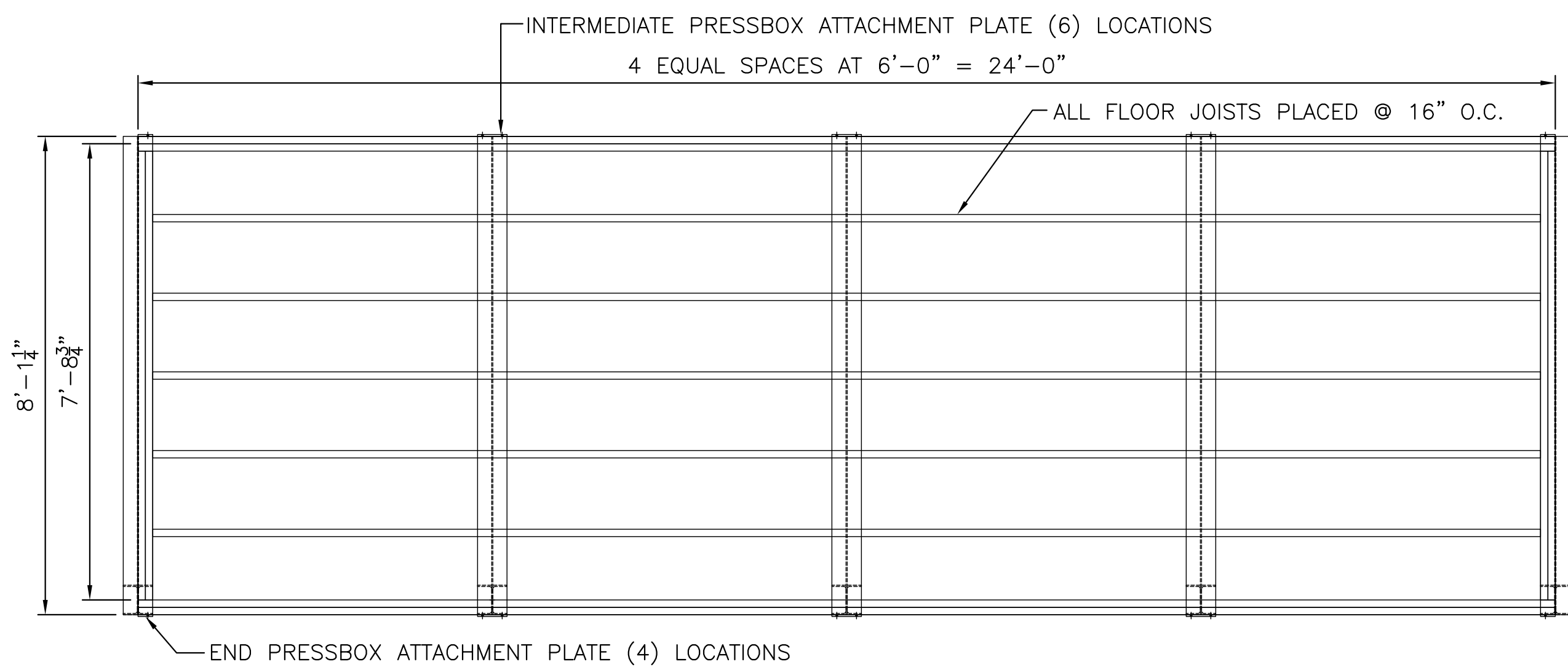
DOOR SCHEDULE

DOOR				FRAME		
KEY	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FIRE RATING
PB-D1	3'-0"	6'-8"	0'-1 1/2"	3	STEEL	STEEL 1.5 HR

PB-D1 - INSULATED VINYL-FACED STEEL CLAD W/ WOOD JAMBS; 16" INSULATED/TEMPERED LITE, ALUMINUM THRESHOLD, VINYL WEATHER STOPS, STAINLESS STEEL HINGES AND HEAVY-DUTY RETENTION CHAINS. DOORS EQUIPPED WITH COMMERCIAL LEVER-HANDLED KEYED LOCKSETS.

1 PRESS BOX FLOOR PLAN

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



2 PRESS BOX ROOF FLOOR FRAMING PLAN

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

Rev. No.	Date	Description

CONTRACT NOTES:

1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.

2. PRESS BOX POWER SUPPLY AND GROUNDING BY ELECTRICAL WORK CONTRACTOR.

DRAWING NOTES:

1. REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.

2. SEE SPECIFICATION SECTION 13 34 24 - MODULAR PRESS BOX FOR ADDITIONAL INFORMATION.

3. SEE 'S' DRAWINGS FOR STRUCTURAL SLAB AND FOUNDATION INFORMATION.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



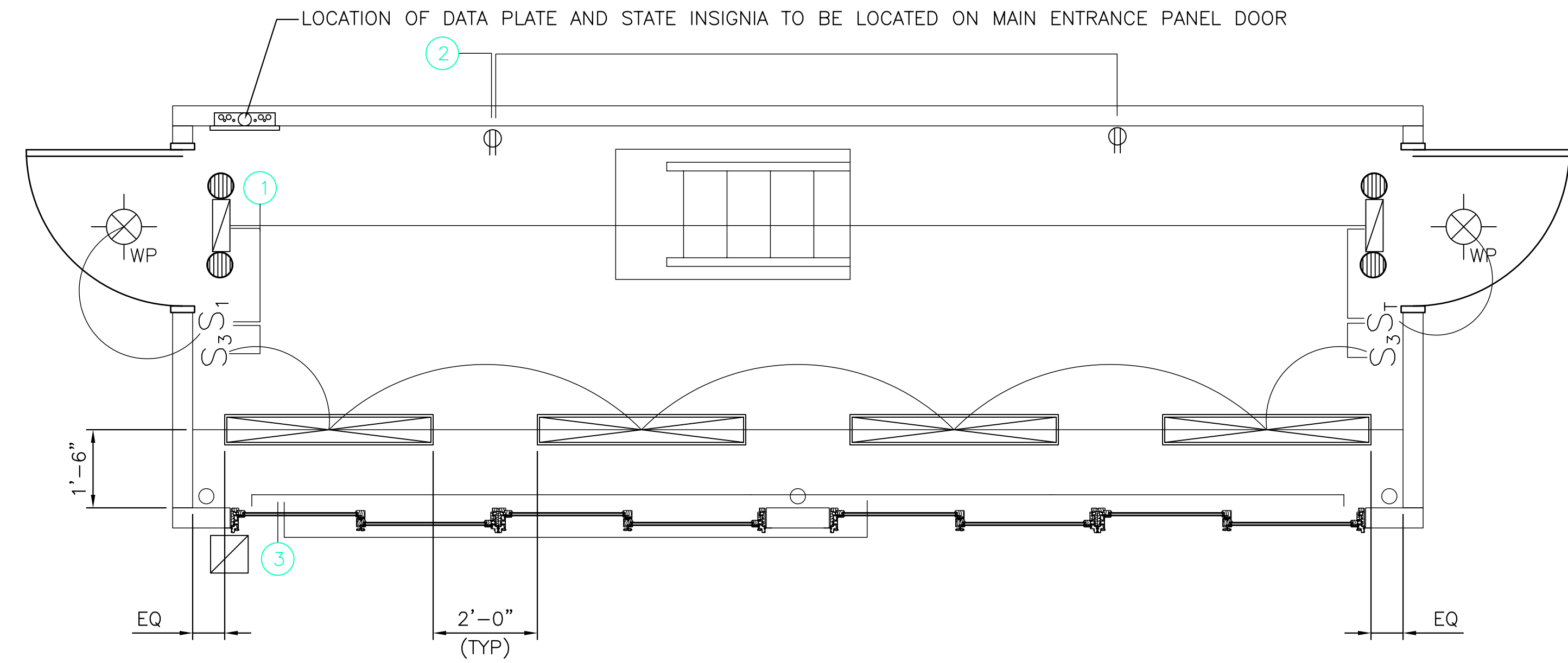
Prime Consultant:
Hughes Associates,
Landscapes Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: E. J. Thompson
Electrical Engineer: M. J. Palmer
Structural Engineer: Elwyn Palmer Consulting Engineers, PLLC.
Ithaca, New York
607-272-5000 www.ElwynPalmer.com

Drawn by: JTH Date: February 1, 2013

Drawing title:
PRESS BOX PLANS AND DETAILS

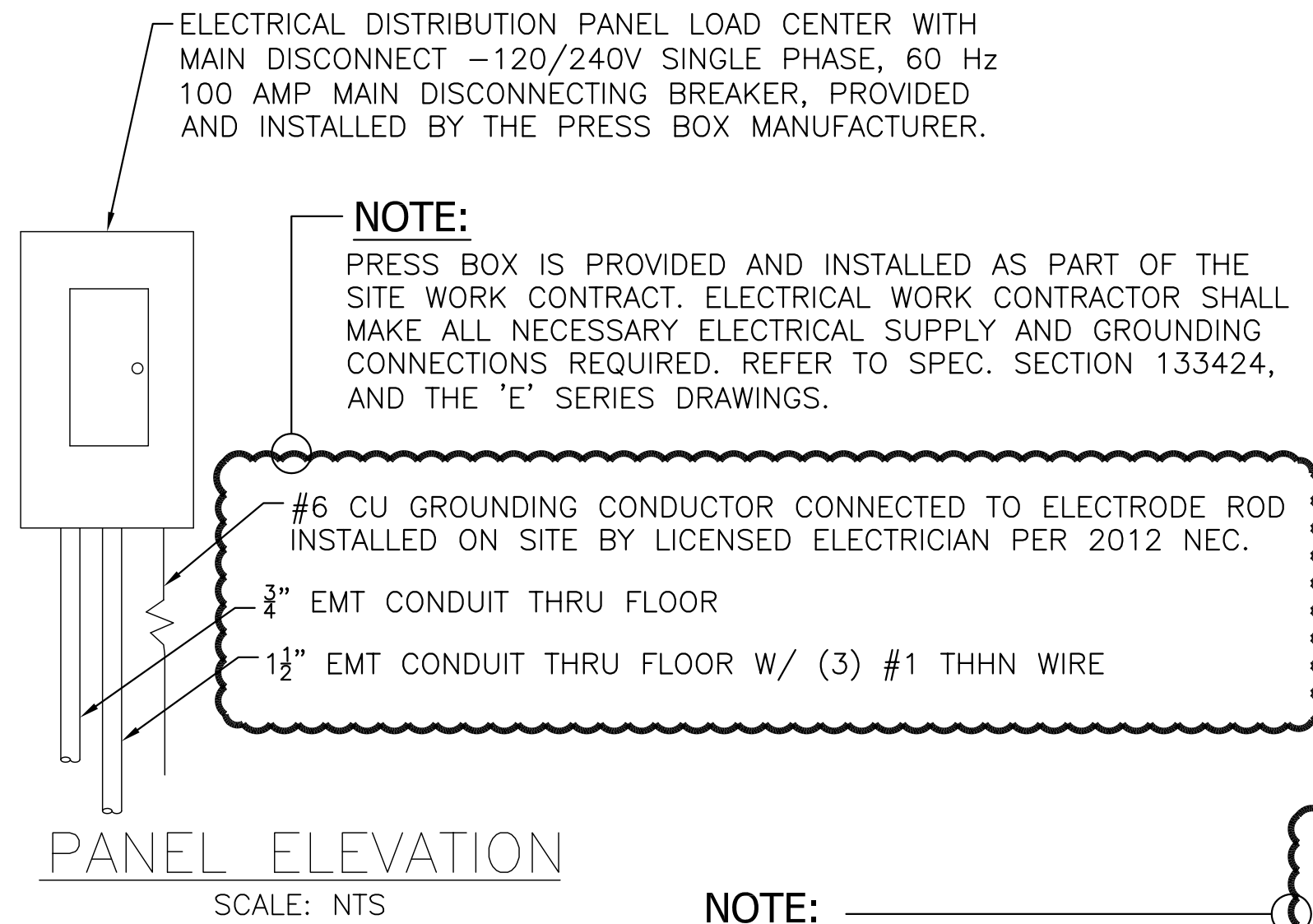
HMM Project # 11-001 Sheet # L41



NOTES:
1) ALL NUMBERS ON ELECTRICAL CIRCUITS DESIGNATE FEED SIDE OF CIRCUIT.
2) ALL BRANCH CIRCUIT WIRING TO BE ENCASED IN THIN WALL EMT CONDUIT—MIN 12 THHN WIRE

No	AMP	VOLT	WIRE	DESCRIPTION	WATTS
1	20	120	12 THHN	GENERAL LIGHTING	840
2	20	120	12 THHN	GENERAL RECEPTS	360
3	20	120	12 THHN	PLUG STRIPS	2160
					3360

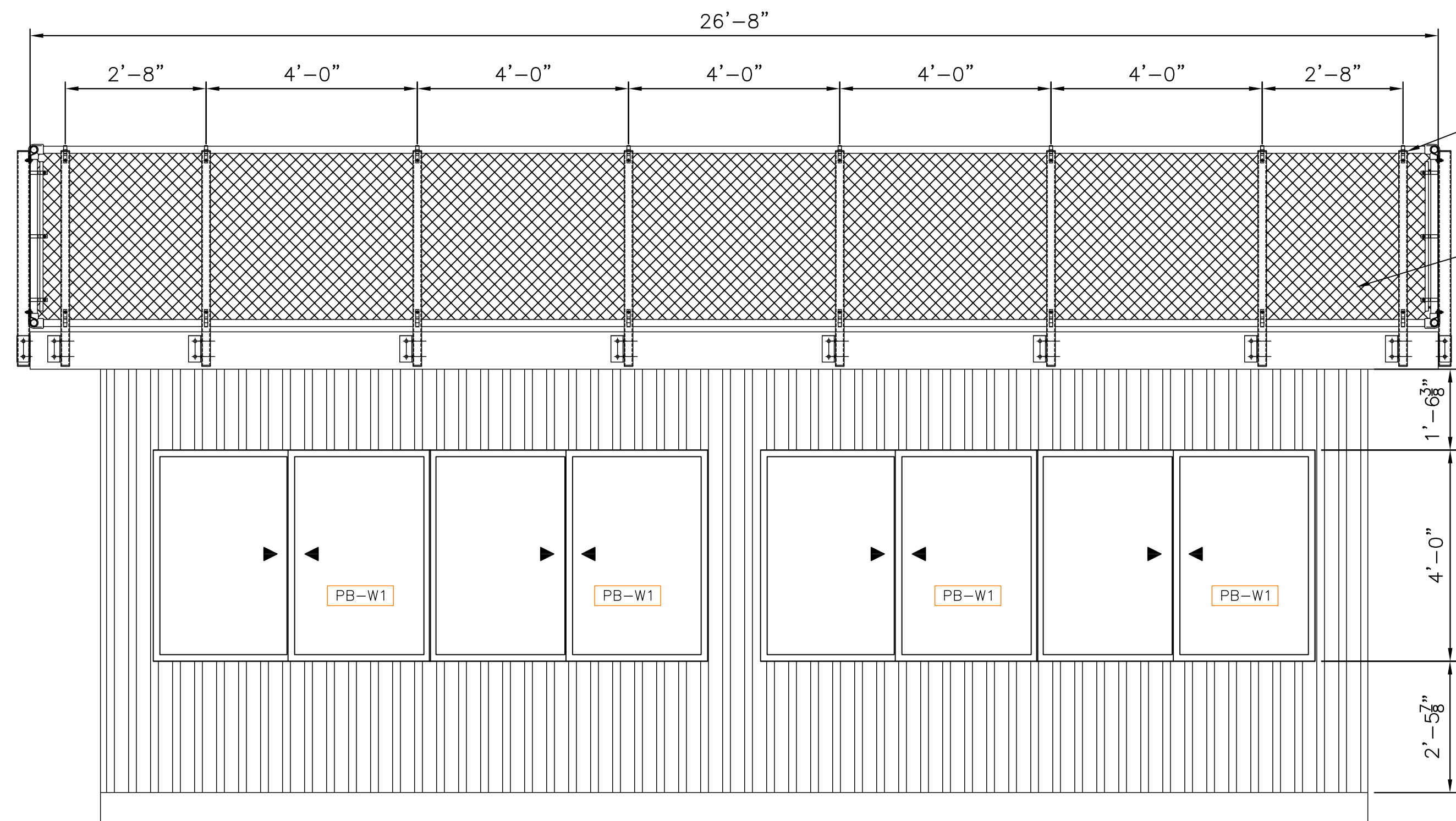
14 AMP @ 240 VOLTS



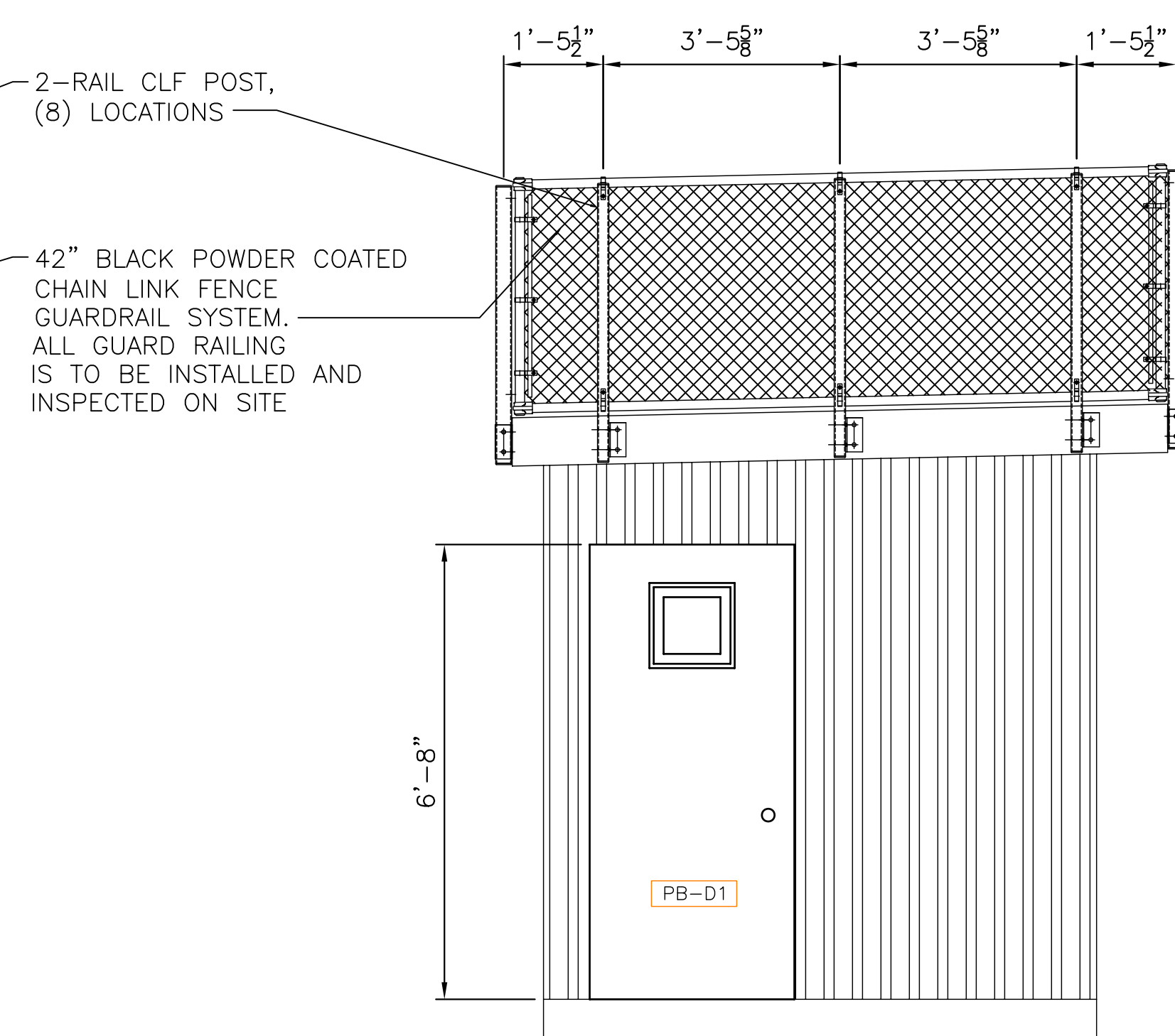
SYMBOL	DESCRIPTION
	LITHONIA #M-230-PC1S-120-GEB (2) 4' TUBE FLUORESCENT LIGHT WITH PARABOLIC DIFFUSERS (30 WATT)
	ELECTRICAL DISTRIBUTION LOAD CENTER W/ MAIN DISCONNECT—120/240V. SINGLE PHASE, 100 AMP CAPACITY, SQ. 'D' #Q0112M100 W/ (1) 1 1/2" CONDUIT THRU FLOOR--100 AMP CAPACITY W/ (1) 3/4" CONDUIT THRU FLOOR
S ₁	PASS & SEYMOUR #870 SPEC. GRADE, GROUNDING TYPE, SWITCH (LIGHT ALMOND)
S ₃	PASS & SEYMOUR #TM873LA SPEC. GRADE, GROUNDING TYPE, 3-WAY SWITCH (LIGHT ALMOND)
S _T	INTERMATIC #EI600 TIMER SWITCH (LIGHT ALMOND)
	LITHONIA #ECR SW3R120 EMERGENCY COMBINATION EXIT/FLOOD LIGHT W/ MINIMUM 90 MIN. BATTERY BACK-UP (WALL MOUNT)
	PASS & SEYMOUR #3232-LA SPEC. GRADE, GROUNDING TYPE, RECEPT (LIGHT ALMOND) UP 18" UNLESS NOTED OTHERWISE
	WIREMOLD #5400 SERIES ELECTRIC PLUG STRIPS (IVORY) W/ RECEPTS AND COMMUNICATION JACK COVERS 48" O.C. AND 3/4" CONDUIT THRU FLOOR AT END-UP 14"
	GROMMETED HOLE THRU COUNTER TOP
	COOPER HALO #H71CT W/ 300P TRIM SOFFIT CAN LIGHT FIXTURE
	LITHONIA #ELAN-NX-0806 REMOTE EMERGENCY LIGHT HEAD
	ROOF ELECTRICAL ACCESS: (2)2X4 WATERPROOF FASCIA MOUNTED JUNCTION BOXES WITH 1" EMT CONDUIT TO PANEL FOR WEATHER-RESISANT RECEPTACLES IN WEATHERPROOF ENCLOSURES THAT ARE TO BE INSTALLED ON THE ROOF GUARDRAILS AT THE PROJECT SITE (POWER SUPPLY AND RECEPTACLES BY THE ELECTRICAL WORK CONTRACTOR).

1 PRESS BOX ELECTRICAL PLAN

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



2 PRESS BOX FRONT ELEVATION
Scale: 1/2"=1'-0"



3 PRESS BOX SIDE ELEVATION
scale: 1/2"=1'-0"

Rev. No.	Date	Description

DRAWING NOTES:

- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- SEE SPECIFICATION SECTION 13 34 24 - MODULAR PRESS BOX FOR ADDITIONAL INFORMATION.
- SEE 'S' DRAWINGS FOR STRUCTURAL SLAB AND FOUNDATION INFORMATION.

CONTRACT NOTES:

- SEE NOTES ON THIS PLAN FOR WORK UNDER THE ELECTRICAL WORK CONTRACT.
- ALL OTHER WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



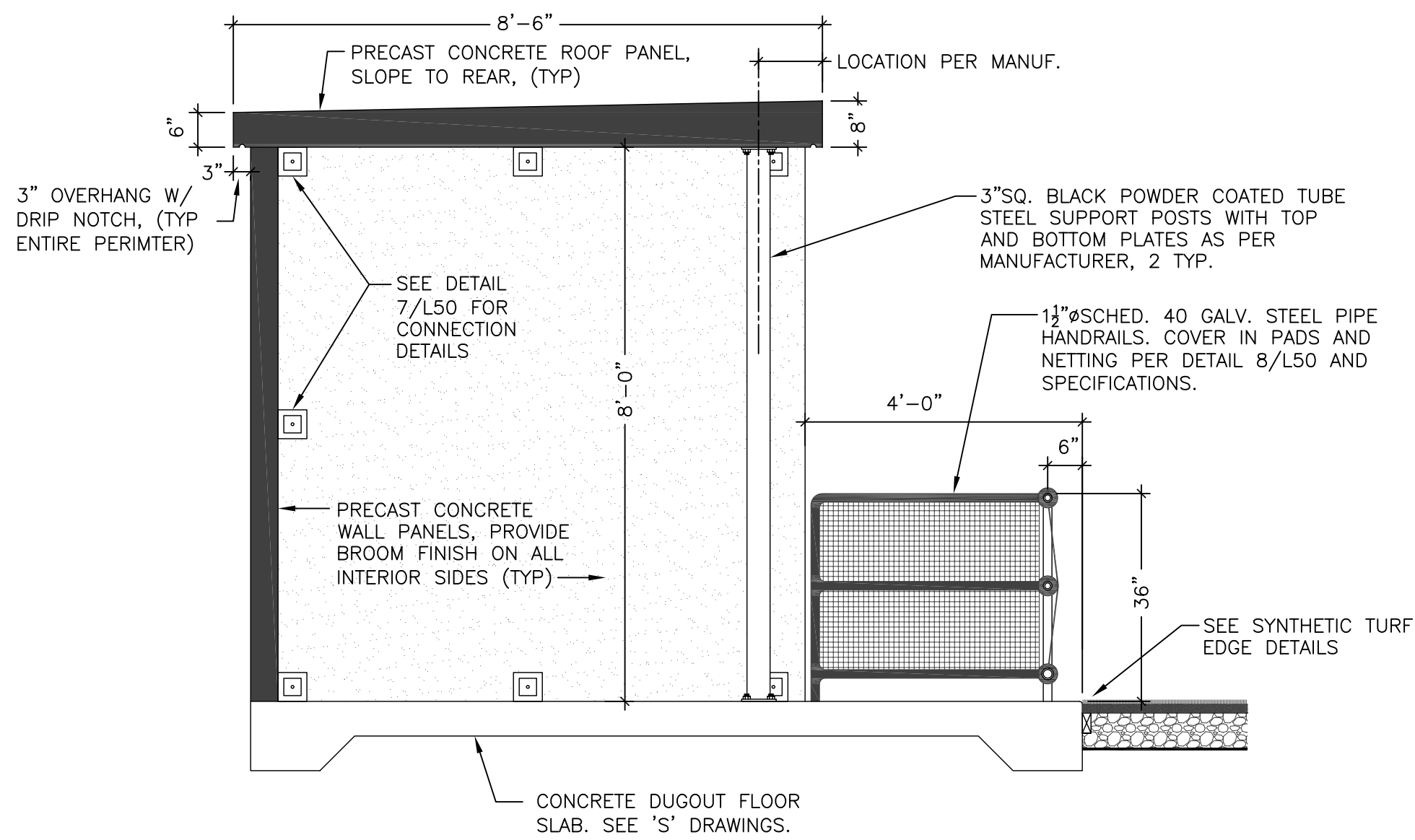
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: Elwyn & Palmer Consulting Engineers, PLLC
Electrical Engineer: Elwyn & Palmer Consulting Engineers, PLLC
Structural Engineer: Elwyn & Palmer Consulting Engineers, PLLC
Ithaca, New York
607-272-5000 www.ElwynPalmer.com

Drawn by: JTM Date: February 1, 2013

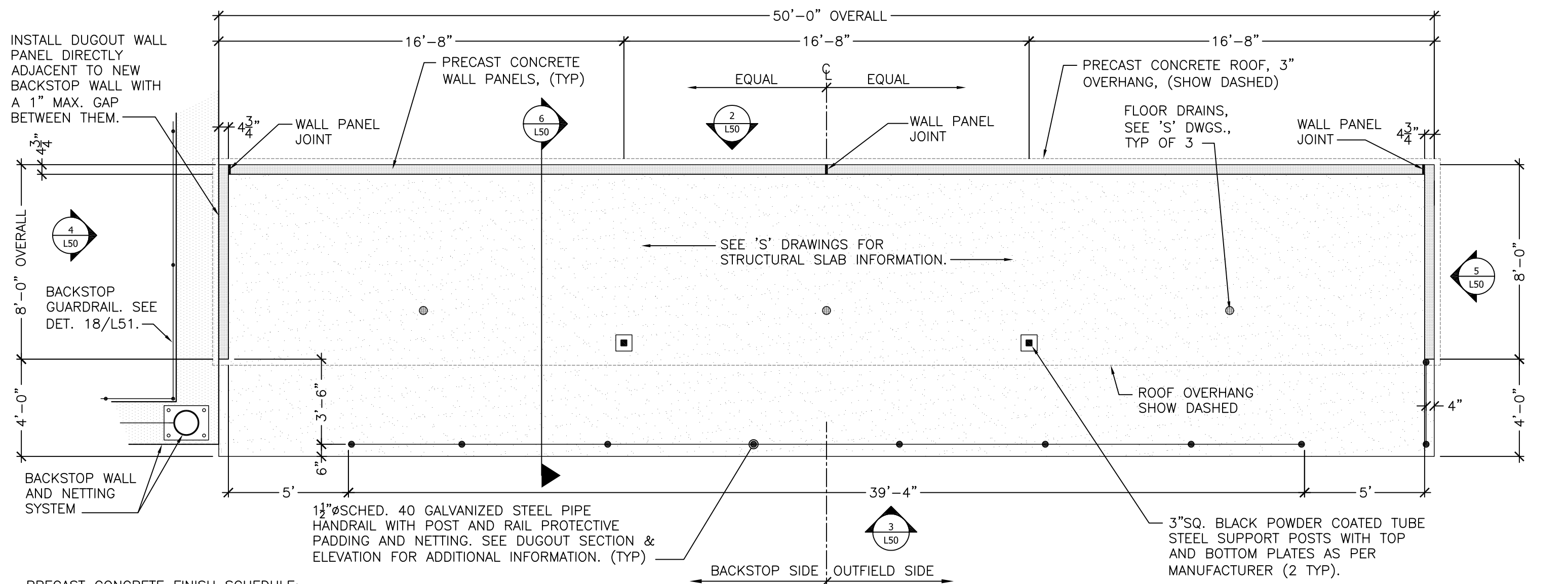
Drawing title:
PRESS BOX PLANS AND DETAILS

HMM Project #
11-001
Sheet #
L42



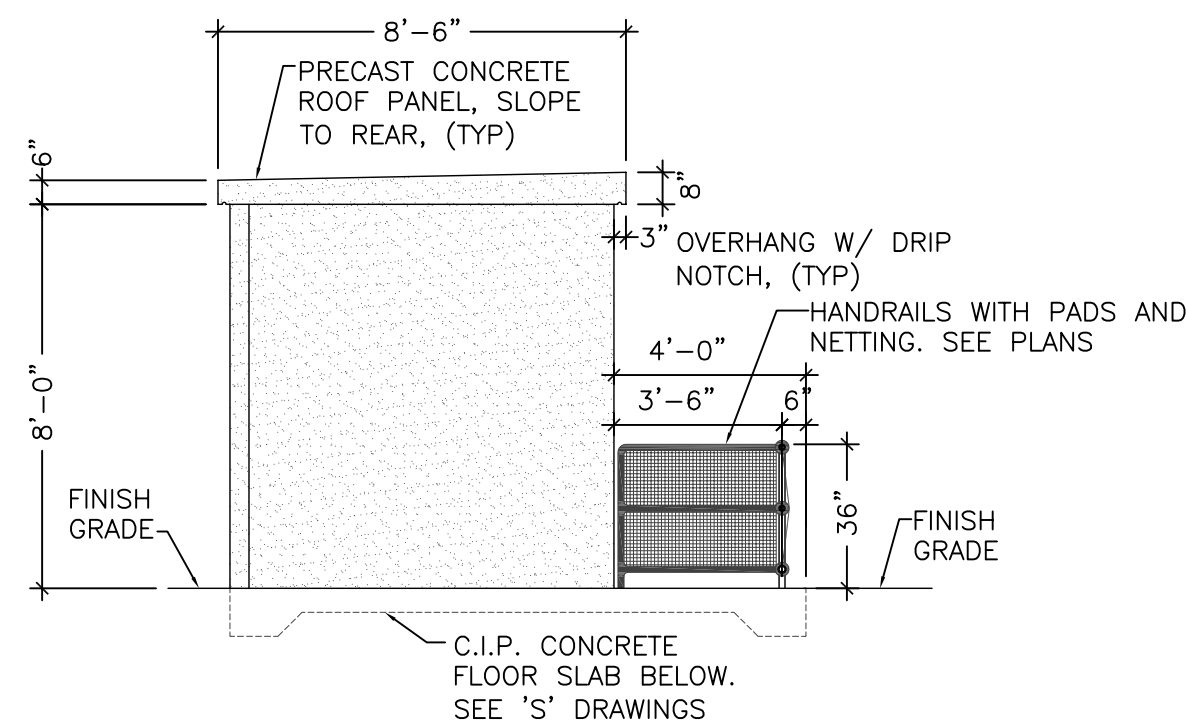
6 TYPICAL DUGOUT SECTION

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



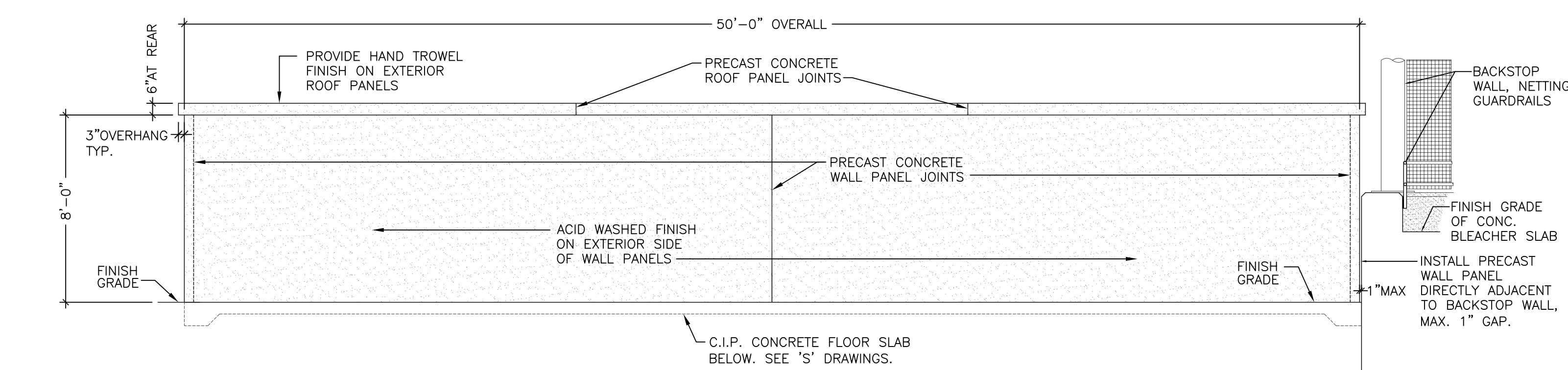
1 PRE CAST CONCRETE DUGOUT PLAN VIEW (3RD BASELINE LAYOUT SHOWN: 1ST BASELINE DUGOUT SIMILAR/OPPOSITE HAND)

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



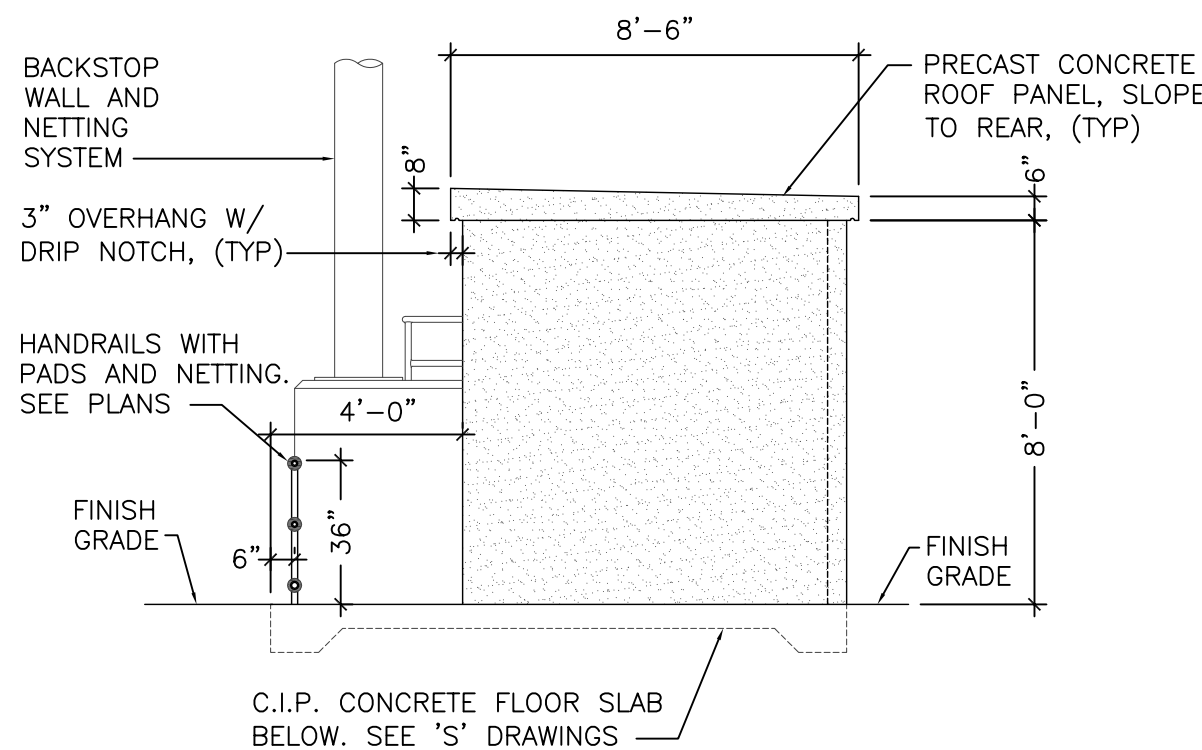
4 DUGOUT END ELEVATION 1

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



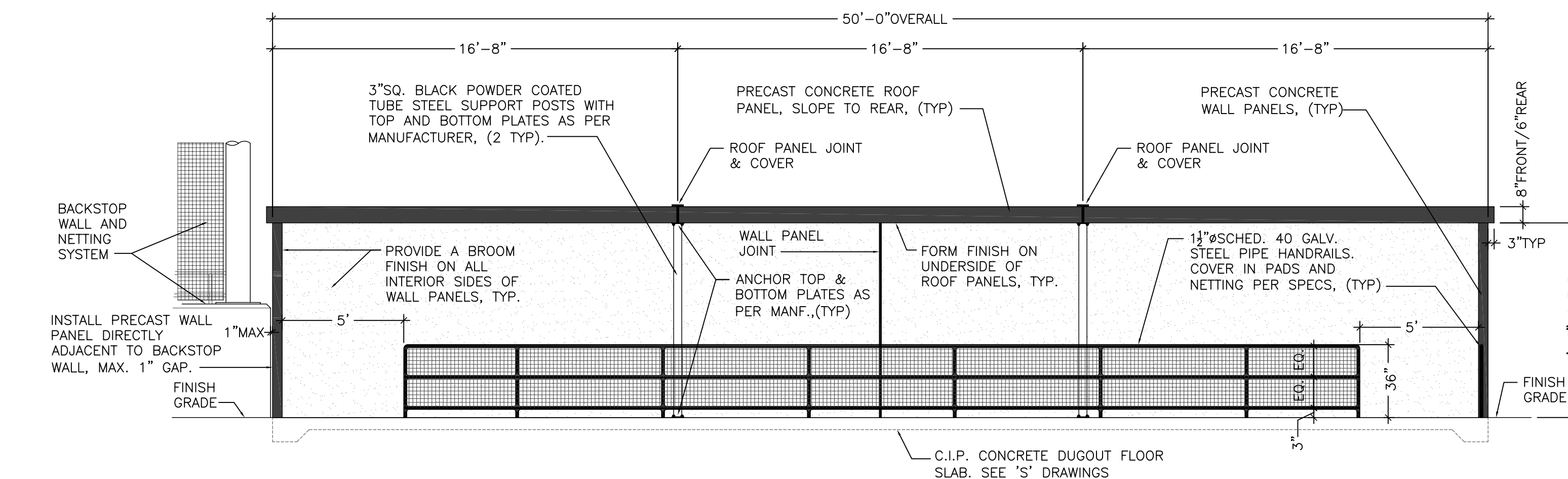
2 DUGOUT BACK ELEVATION (3RD BASELINE DUGOUT SHOWN: 1ST BASELINE DUGOUT SIMILAR/OPPOSITE HAND)

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



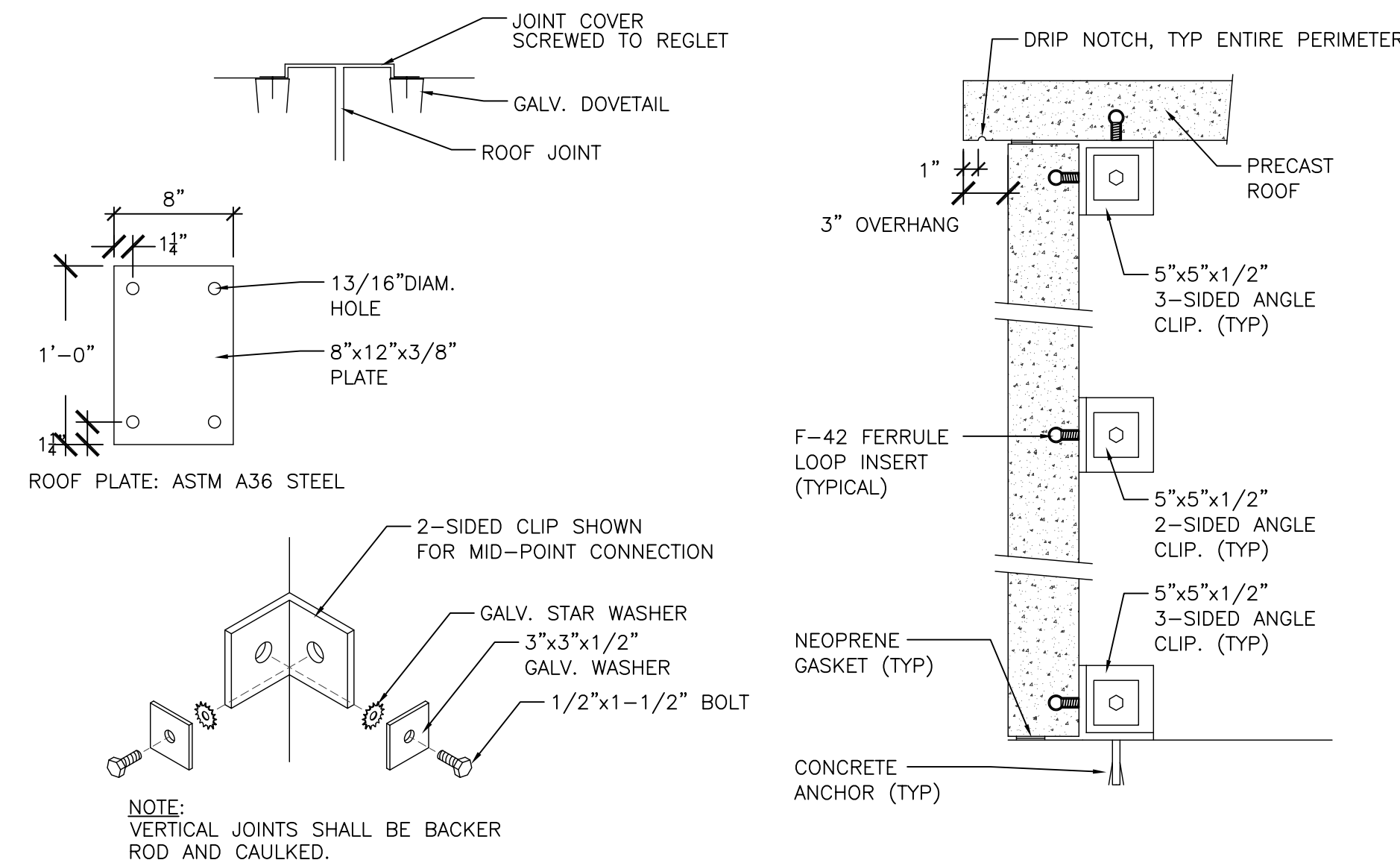
5 DUGOUT END ELEVATION 2

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



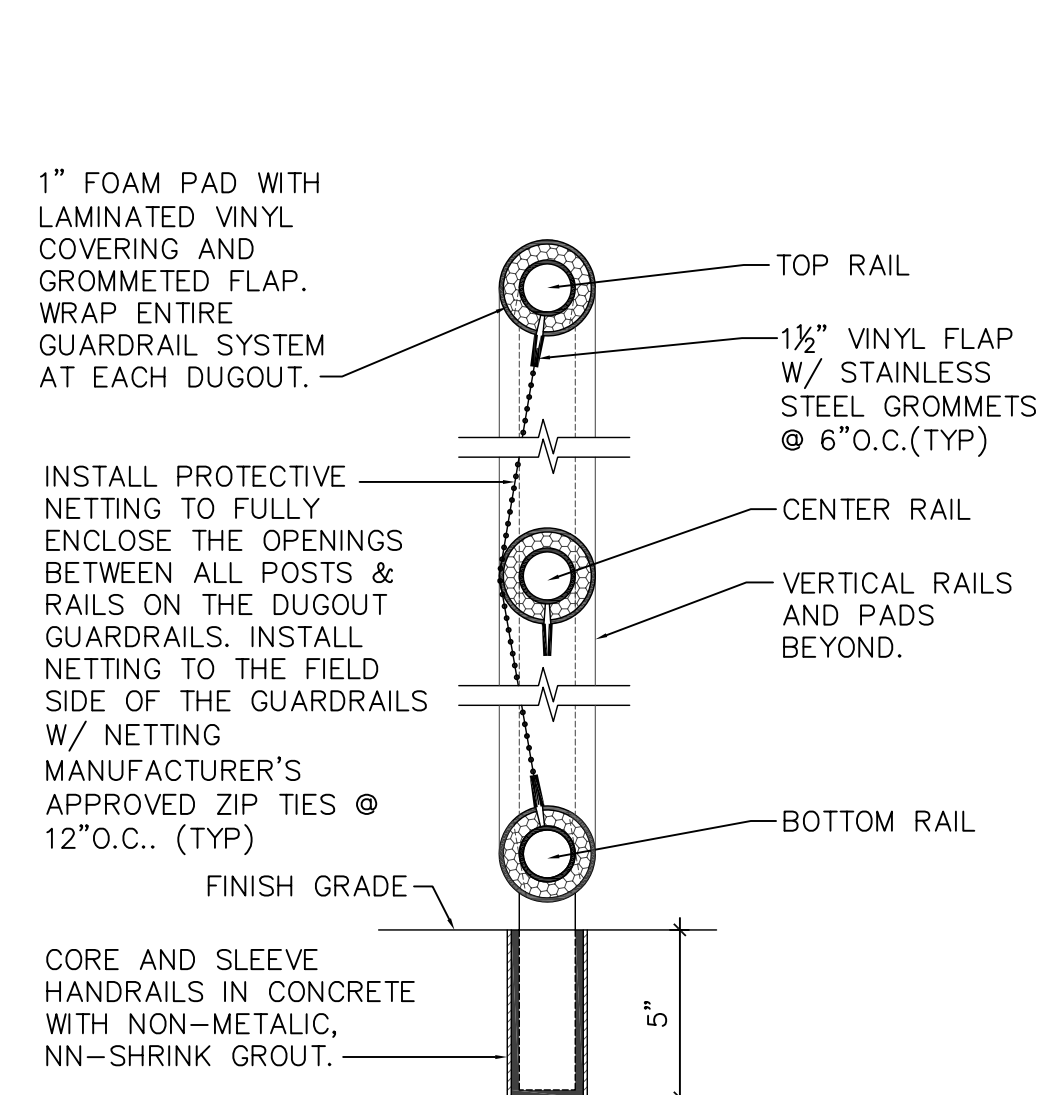
3 DUGOUT FRONT ELEVATION (3RD BASELINE LAYOUT SHOWN: 1ST BASELINE DUGOUT SIMILAR/OPPOSITE HAND)

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



7 PRE CAST DUGOUT PANEL CONNECTION HARDWARE

Scale: N.T.S.



8 HANDRAIL W/ PAD AND NET SECTION

Scale: N.T.S.

Rev. No.	Date	Description

CONTRACT NOTES:

- UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.
- COORDINATE WORK WITH THE ELECTRICAL CONTRACTOR FOR ALL PENETRATIONS IN CONCRETE SLABS AND DUGOUTS AS REQUIRED BY THE 'E' SERIES DRAWINGS.

DRAWING NOTES:

- REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SPECIFICATION SECTION 13 34 27 - PRECAST PRE-ENGINEERED DUGOUT STRUCTURE FOR ADDITIONAL INFORMATION.
- REFER TO 'S' SERIES OF DRAWINGS FOR CAST-IN-PLACE CONCRETE DUGOUT SLAB INFORMATION.

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



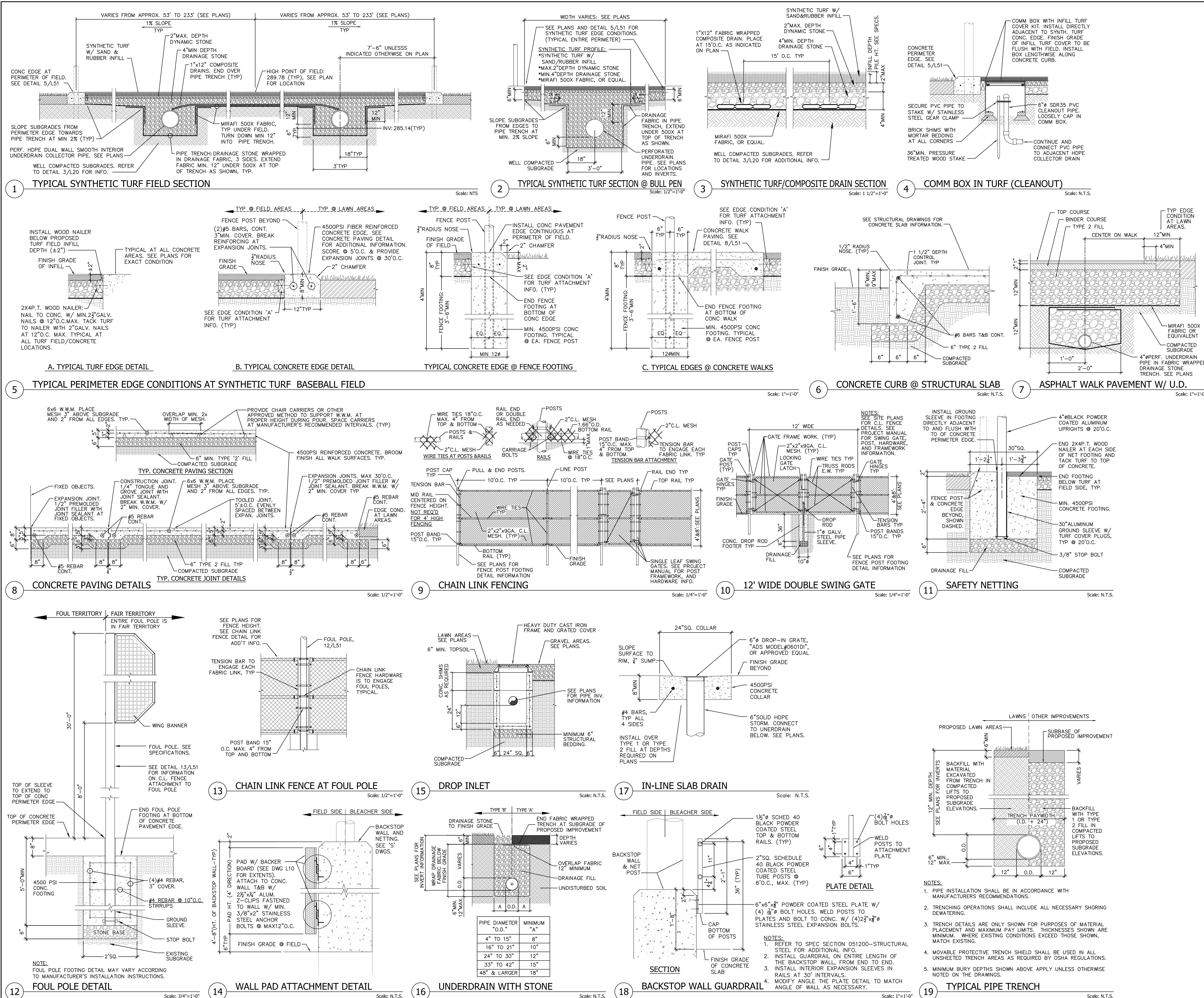
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: Elwyn Palmer
Electrical Engineer: Elwyn Palmer
Structural Engineer: Elwyn Palmer
Elwyn Palmer Consulting Engineers, PLLC
Ithaca, New York
607-272-5000 www.ElwynPalmer.com

Drawn by:
JTH
Date:
February 1, 2013

Drawing title:
PRE ENGINEERED DUGOUT
PLANS AND DETAILS

HMH Project #
11-001
Sheet #
L50



Rev. No.	Date	Description

CONTRACT NOTES:

1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT.

DRAWING NOTES:

1. REFER TO DRAWING L01 FOR ADDITIONAL GENERAL NOTES.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex

Prime Consultant:
Hughes Associates, Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

Civil Engineer

Electrical Engineer

Structural Engineer
Elwyn & Palmer
CONSULTING ENGINEERS, PLLC
Ithaca, New York
607.275.5000 www.ElwynPalmer.com

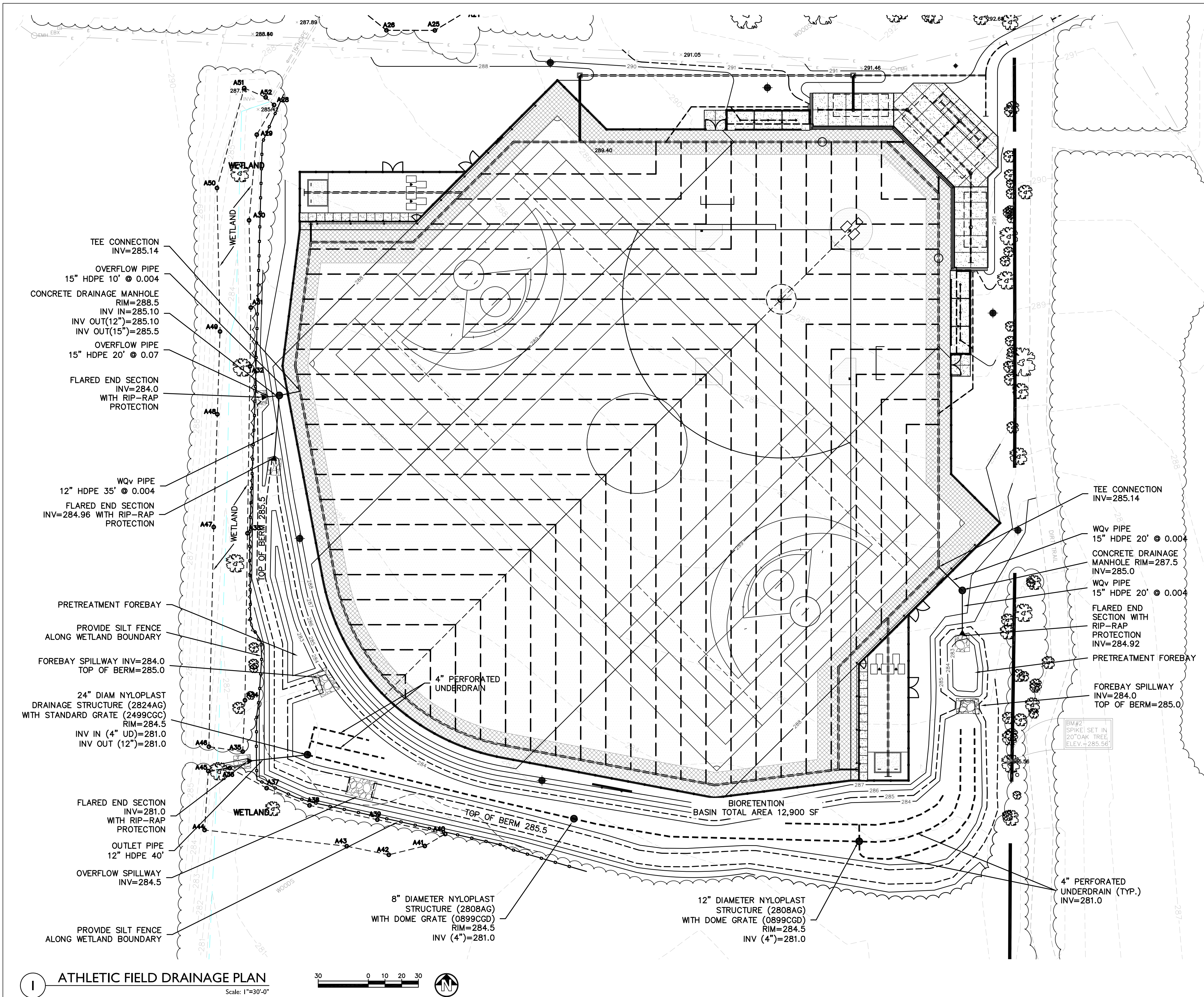
Drawn by:
JTH

Date:
February 1, 2013

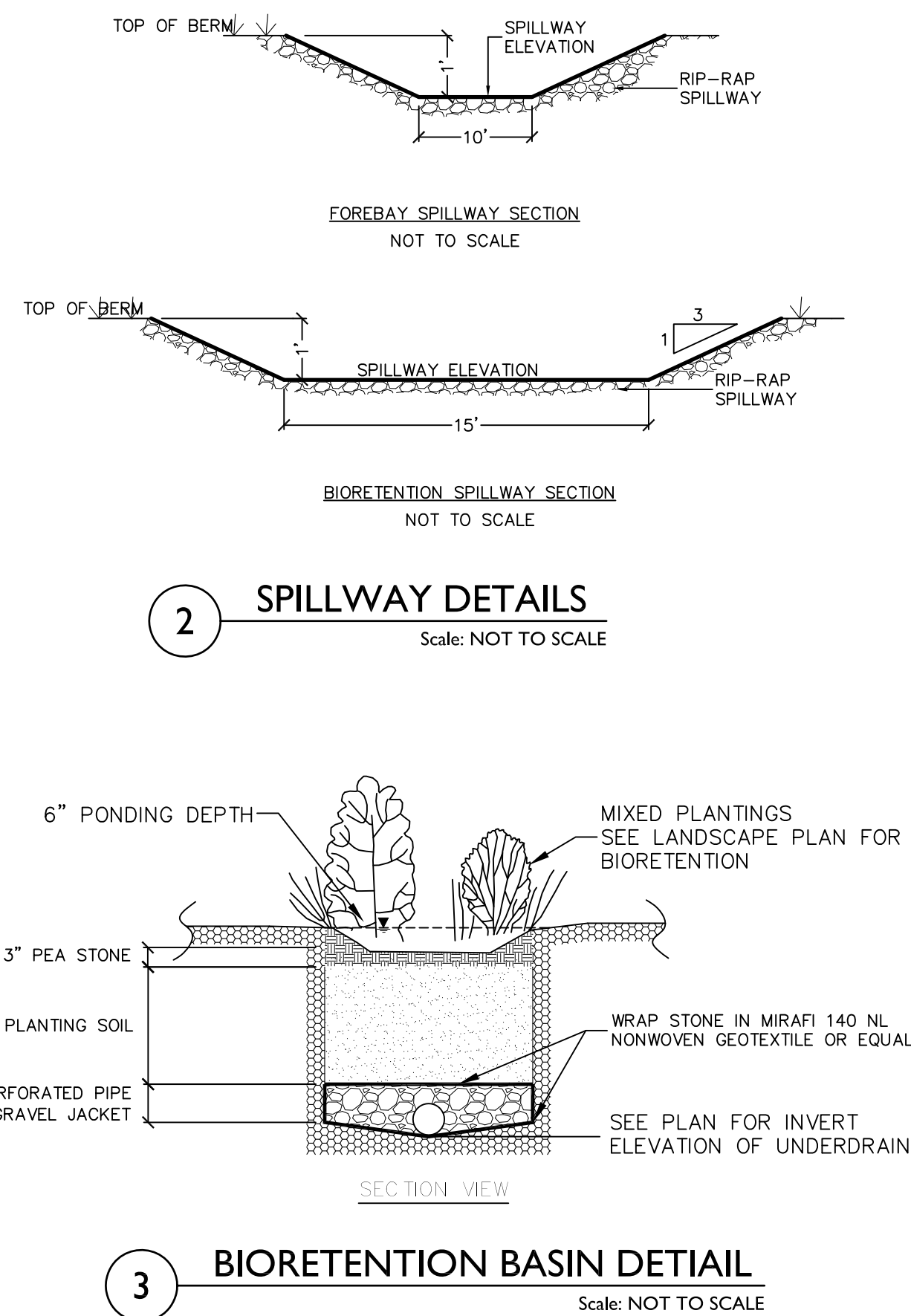
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SITE DETAILS

HMH Project #
11-001

Sheet #
L51



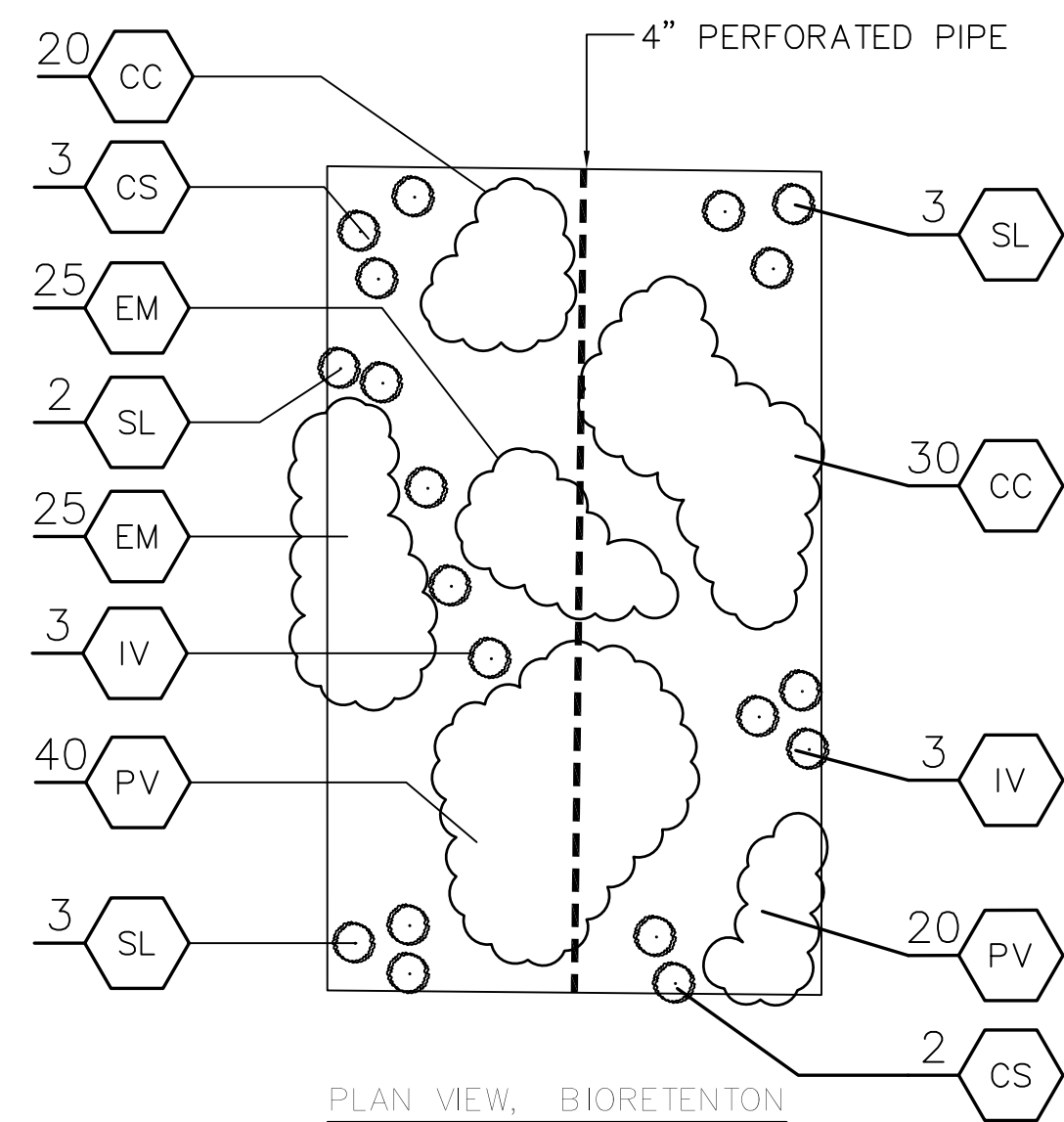
1 ATHLETIC FIELD DRAINAGE PLAN
Scale: 1"=30'-0"



BIORETENTION BASIN NOTES AND SPECIFICATIONS

- ALL BIORETENTION AREAS SHALL BE BACK-FILLED WITH A SUITABLE SANDY LOAM PLANTING MATERIAL AS SPECIFIED IN THESE PLANS OR IN ACCORDANCE WITH THE SPECIFICATIONS NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL. THE BORROW MATERIAL SOURCE MUST BE TESTED IN ACCORDANCE WITH APPENDIX D PAGE D-5 OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TESTING OF THE MATERIAL AND SUBMITTING TEST RESULTS FOR APPROVAL BY THE CERTIFYING ENGINEER. THE TESTING REQUIREMENTS ARE AS FOLLOWS:
IF THE BORROW AREA IS VIRGIN, UNDISTURBED SOIL, ONE TEST IS REQUIRED PER 200 SF OF BORROW AREA. THE TEST CONSISTS OF "GRAB" SAMPLES AT ONE FOOT DEPTH INTERVALS TO THE BOTTOM OF THE BORROW AREA. ALL SAMPLES AT THE TESTING LOCATION ARE THEN MIXED, AND THE RESULTING SAMPLE IS THEN LAB-TESTED TO MEET THE FOLLOWING CRITERIA:
A) USDA MINIMUM TEXTURAL ANALYSIS REQUIREMENTS: A TEXTURAL ANALYSIS IS REQUIRED FROM THE SITE STOCKPILED TOPSOIL IF TOPSOIL IS IMPORTED, THEN A TEXTURE ANALYSIS SHALL BE PERFORMED FOR EACH LOCATION WHERE THE TOP SOIL WAS EXCAVATED. SOIL SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:

SAND	35 - 60%
SILT	30 - 55%
CLAY	10 - 25%
PH RANGE	5.2 - 7.0
ORGANIC CONTENT	1.5% TO 4.0%
PHOSPHOROUS	75 LB/AC
POTASSIUM	85 LB/AC
SOLUBLE SALTS	<500 PPM
- SOIL SHALL BE FREE OF BRUSH OR SEEDS FROM NOXIOUS WEEDS, STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER.
- SOIL SHALL BE PLACED IN LIFTS OF 12" TO 18", LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).
- A PERMIABILITY TEST SHALL BE PERFORMED ON THE BIORETENTION SOIL. SOIL MUST HAVE A MINIMUM PERMIABILITY OF 1 FT/DAY OR 0.5 IN/HR. TESTING SHALL BE DONE ON THE BORROW AREA BY THE CONTRACTOR. THE TESTING OF THE IN PLACE SOIL SHALL BE DONE BY THE ENGINEER PROVIDING CERTIFICATION.
- PEA GRAVEL MULCH CONFORMING TO ASTM D 448 No. 6.
- UNDERDRAIN GRAVEL TO BE AASHTO M-43 No. 67, 0.25" TO 0.75".



LANDSCAPE LEGEND

KEY	*QUANTITY	LATIN NAME	COMMON NAME	SPACE	CONT.
SL	8	Filipendula ulmaria	Meadowsweet	3'-4' OC	#1 CONT
IV	6	Ilex verticillata	Winterberry	3'-4' OC	#1 CONT
CS	5	Cornus sericea	Redosier Dogwood	3'-4' OC	#1 CONT
EM	50	Eutrochium	Joe Pye Weed	18" OC	FLATS
CC	50	Calamagrostis canadensis	Bluejoint Grass	18" OC	FLATS
PV	60	Panicum Virgatum	Switch Grass	18" OC	FLATS

BIORETENTION BASIN PLANTING NOTES

- THIS IS A TYPICAL PLANTING DETAIL FOR A 1,000 SQUARE FOOT SECTION OF THE BIORETENTION BASIN. THE PLANTING SHALL BE APPLIED AT A SIMILAR RATE PER EACH AS SHOWN IN THE ABOVE DETAIL.

4 TYPICAL BIORETENTION BASIN PLANTING PLAN
Scale: NOT TO SCALE

Rev. No.:	Date:	Description:

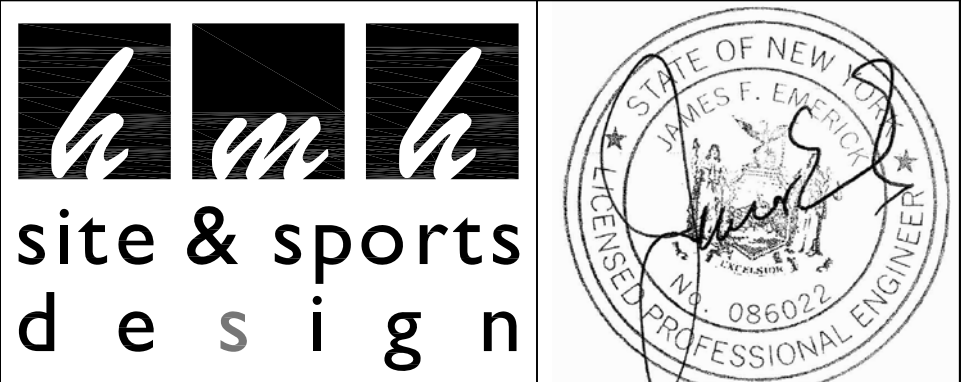
DRAWING NOTES:

Issued for Bid



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



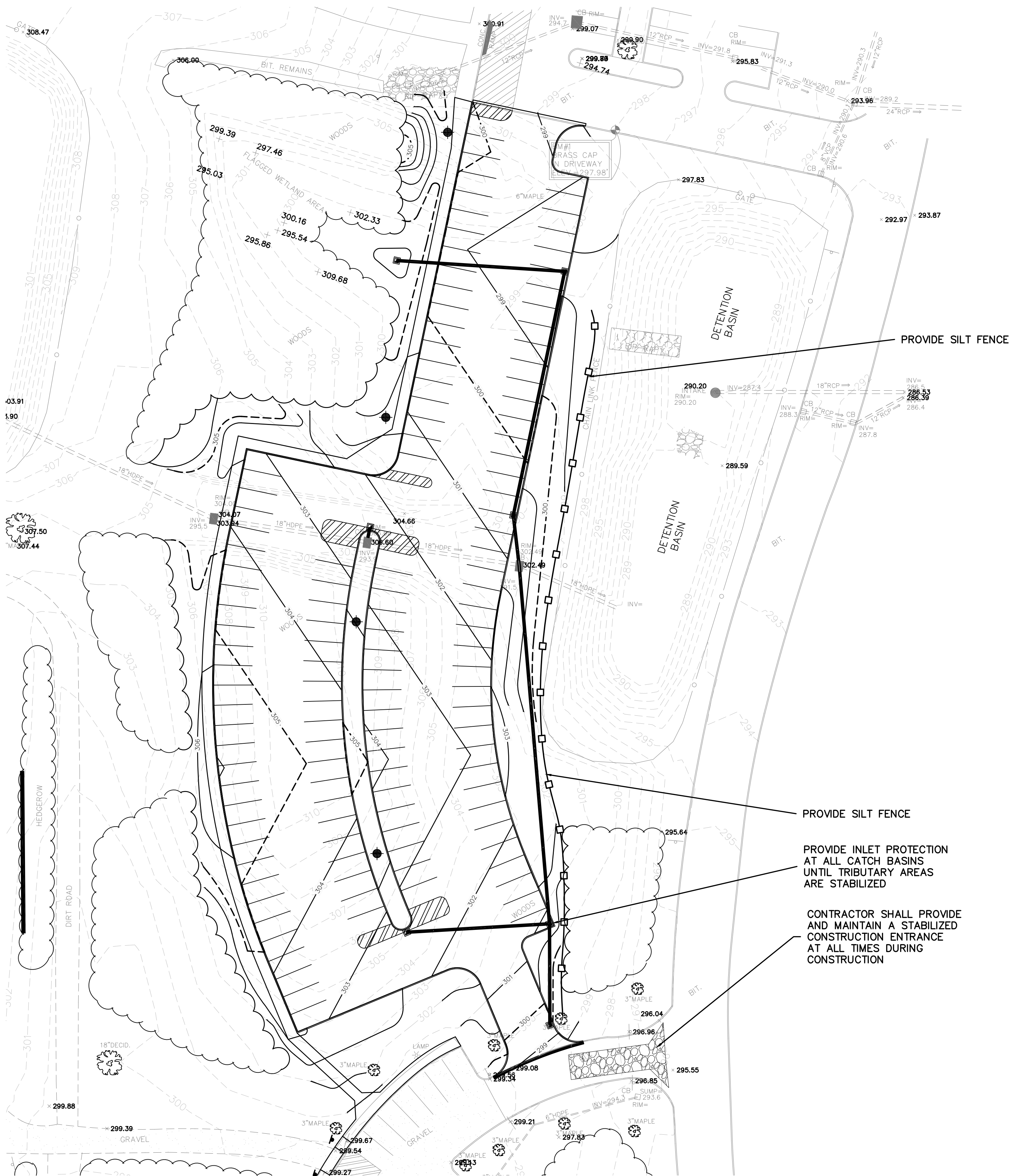
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East 57th Street, 11th Floor, New York, NY 10022
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer Electrical Engineer Structural Engineer
Elwyn Palmer
CONSULTING ENGINEERS, PLLC
11th Floor, New York
607-277-6000 www.ElwynPalmer.com

Drawn by:
JFE
Date:
February 1, 2013

Drawing title:
ATHLETIC FIELD SITE DRAINAGE
PLAN AND DETAILS

HMM Project #
11-001
Sheet #
C01



I PARKING AREA DRAINAGE PLAN
Scale: 1"=30'-0"

Rev. No.:	Date:	Description:

DRAWING NOTES:

Issued for Bid



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer Electrical Engineer Structural Engineer
Elwyn Palmer
CONSULTING ENGINEERS, PLLC
Ithaca, New York
607.272.8000 www.ElwynPalmer.com

Drawn by:
JFE
Date:
February 1, 2013

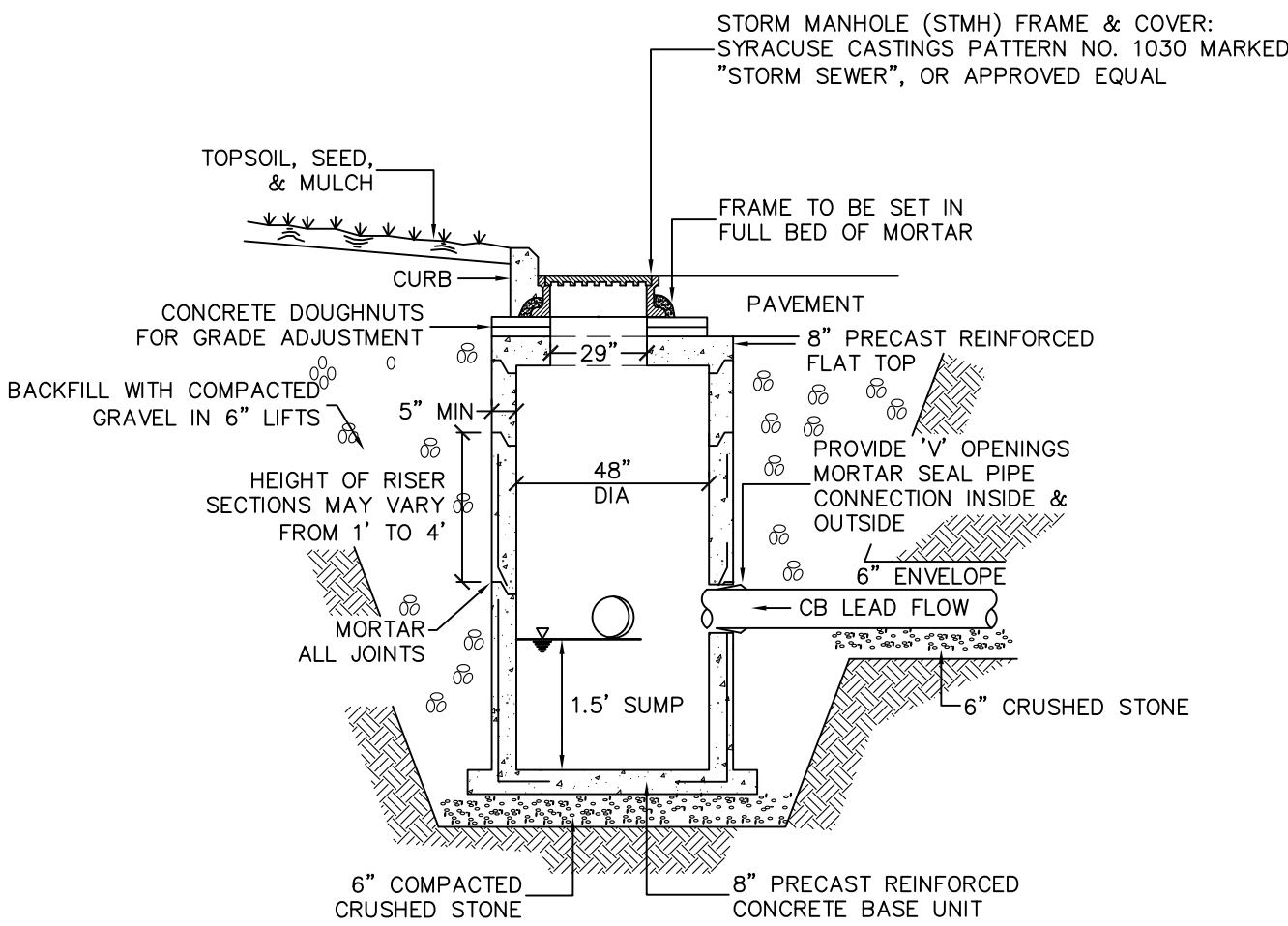
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PARKING AREA EROSION
CONTROL PLAN

HMM Project #
11-001
Sheet #
C02

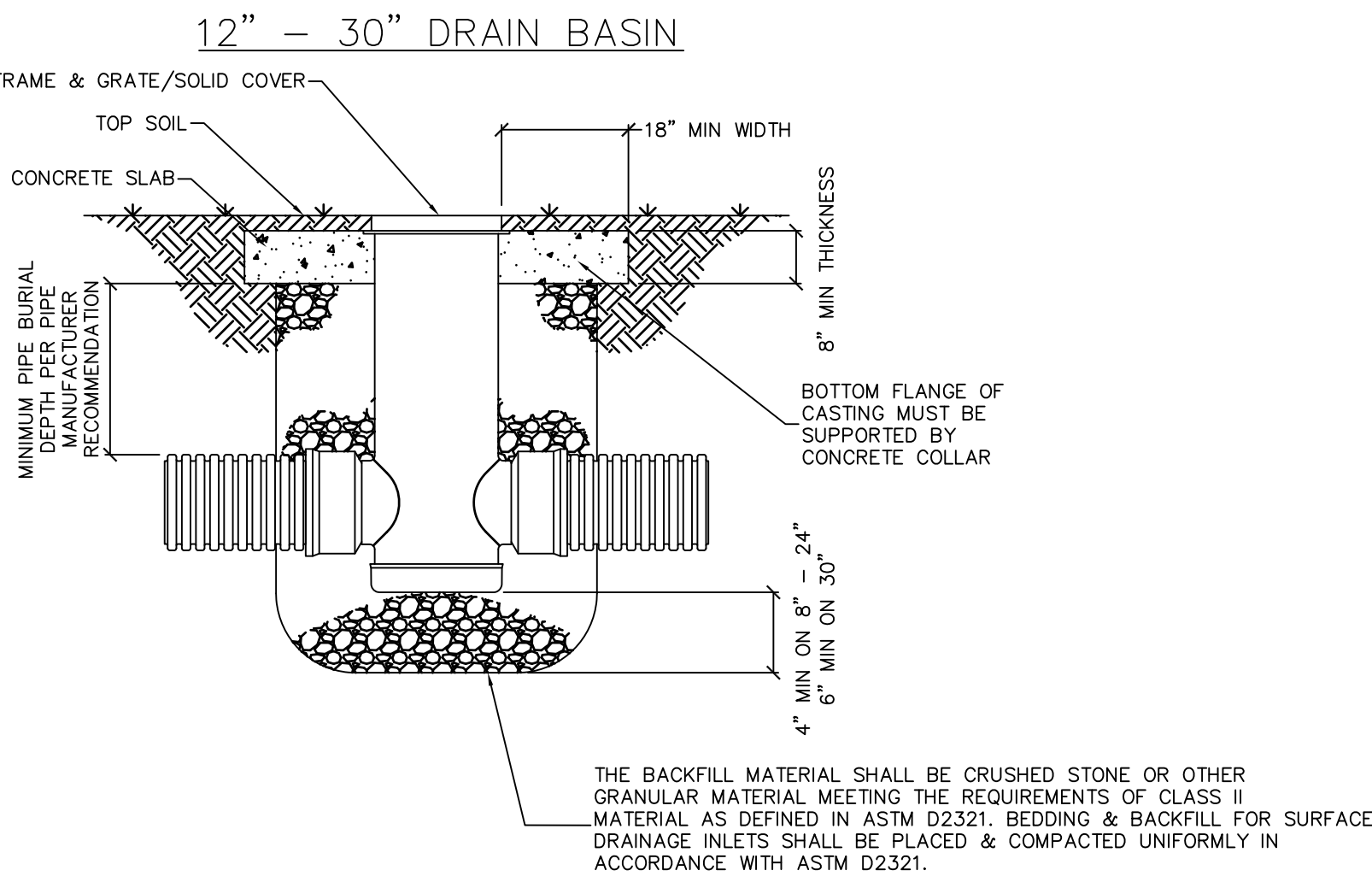
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DRAWING NOTES:

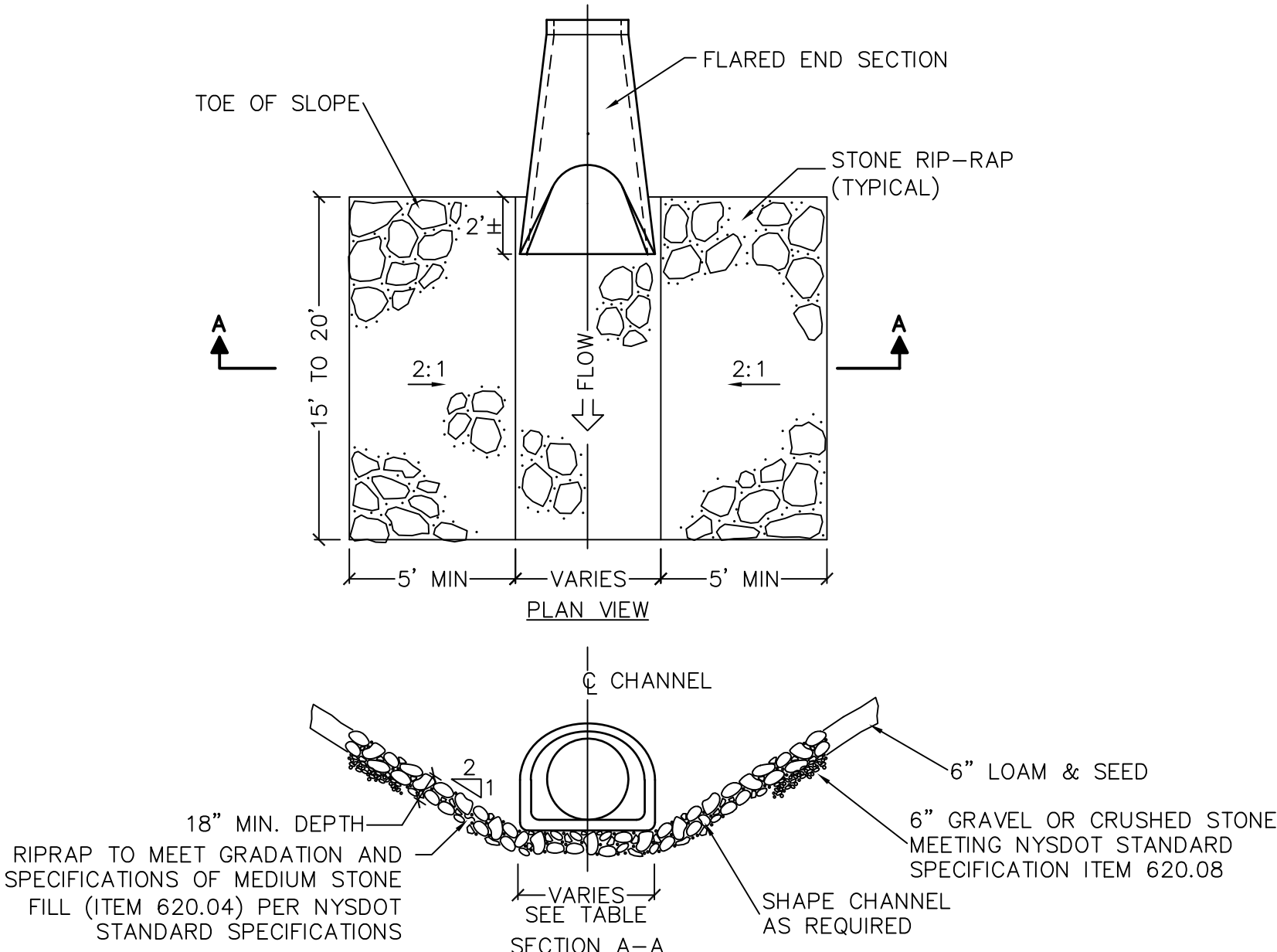
- DRAINAGE STRUCTURE GENERAL NOTES**
1. REINFORCING FOR ALL SECTIONS SHALL BE AS FOLLOWS:
TOP: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.
BOTTOM: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.
SIDES: #3 BARS SPACED AT 8" IN BOTH HORIZONTAL AND VERTICAL.
 2. ALL REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
 3. TOP SLAB AND/OR FRAME ADJUSTMENT:
FOR ALL DRAINAGE STRUCTURES A MAXIMUM OF 6 INCHES OF BRICK AND MORTAR OR A MAXIMUM OF 2 INCHES OF MORTAR ALONE SHALL BE USED FOR TOP SLAB AND/OR FRAME & GRATE ADJUSTMENT. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH NYS-DOT STANDARD SPEC SUB-SECTION #706-04 SHALL BE USED; A MAXIMUM OF 2 INCHES OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. BRICK SHALL BE PRECAST PAVERS CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #704-13 AND MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #705-21.
 4. MANHOLE STEPS SHALL BE REQUIRED IN ALL DRAINAGE STRUCTURES DEEPER THAN 4 FEET. STEPS SHALL CONFORM TO NYS-DOT STANDARD SPEC SUB-SECTION #725-02.
 5. BASE OF PRECAST CATCH BASIN SHALL REST ON BASE MATERIAL COMPACTED IN PLACE WITH A VIBRATORY MECHANICAL TAMPER IN LIFTS NOT TO EXCEED 6" AT A TIME.
 6. TRENCH SIDES SHALL CONFORM TO NYS DEPT OF LABOR AND OSHA SAFETY REGULATIONS.



3 CONCRETE DRAINAGE STRUCTURE
Scale: NOT TO SCALE

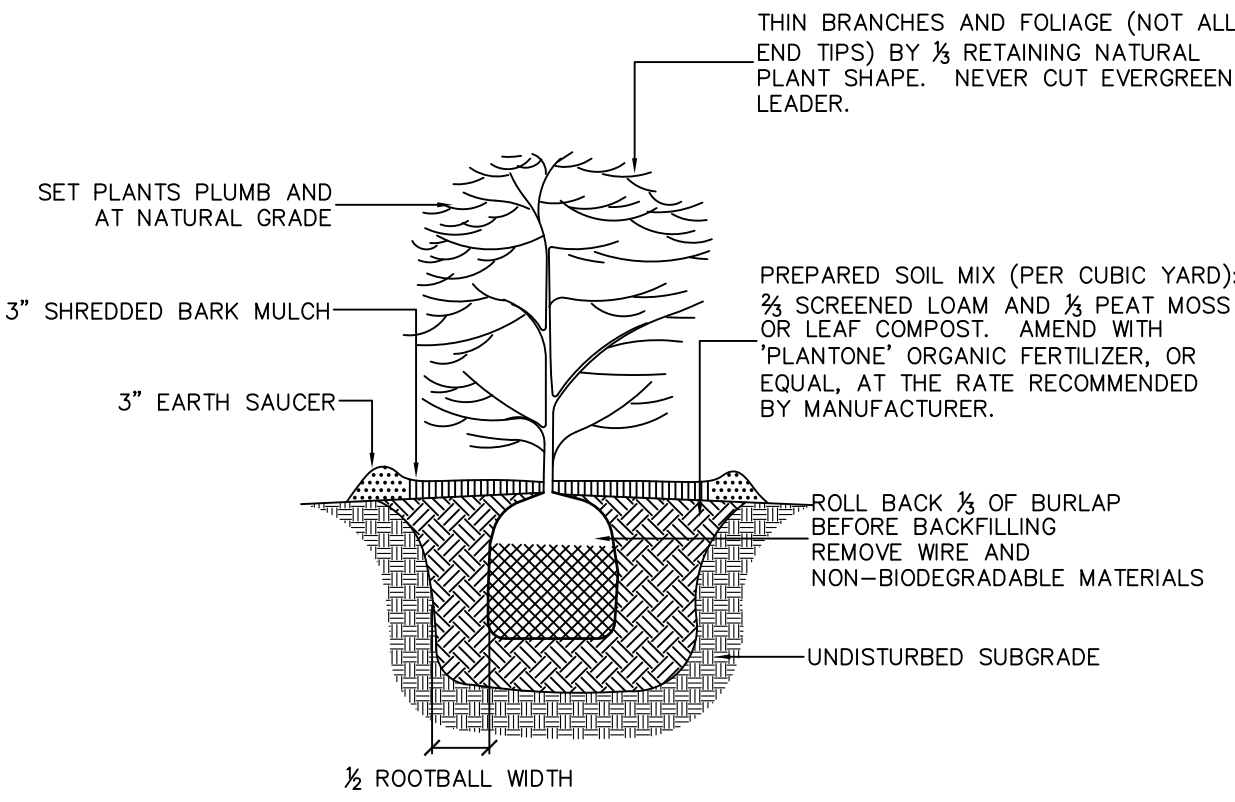


2 NYLOPLAST STRUCTURE DETAIL
Scale: NOT TO SCALE

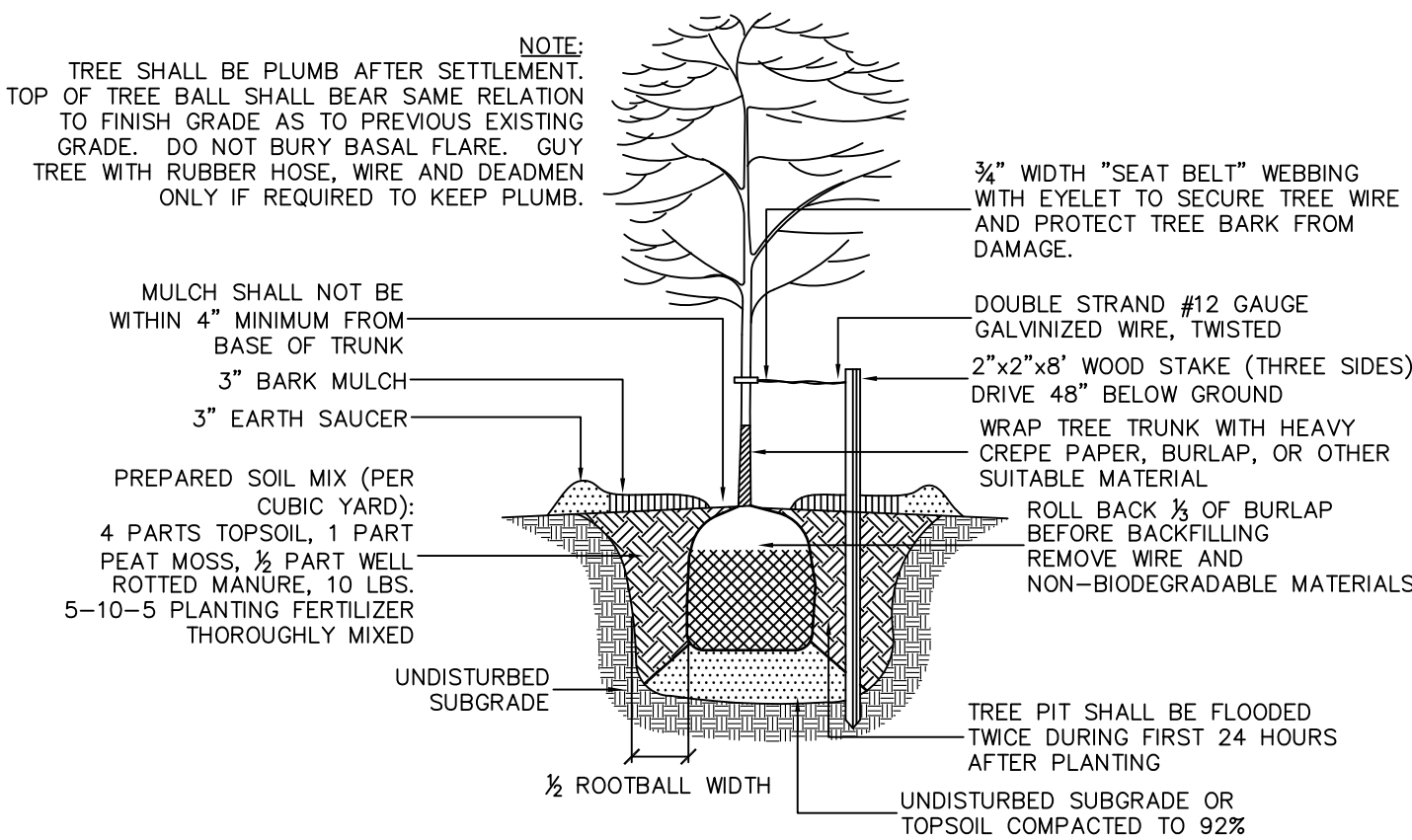


PIPE DIA.	CHANNEL WIDTH
12"	2'-6"
15"	3'-0"
18"	3'-6"
24"	4'-8"

1 RIP-RAP END SECTION PROTECTION DETAIL
Scale: NOT TO SCALE



5 SHRUB PLANTING
Scale: NOT TO SCALE



6 TREE PLANTING
Scale: NOT TO SCALE

Issued for Bid



Client name:
**State University of New York
Purchase College
Purchase, New York 10577**

Project title:
Purchase College Athletic Field Complex



Prime Consultant:
**Hughes Associates,
Landscape Architects, PLLC.**
330 East 58th Street, 11th Fl., New York, NY 10022
phone: 607-277-4000 fax: 607-277-4004

Consultant List:

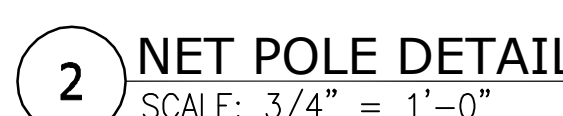
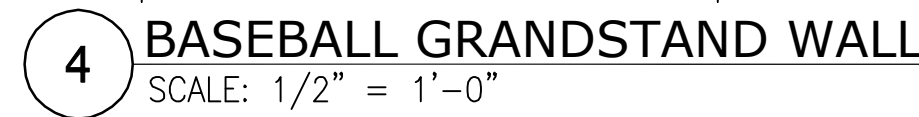
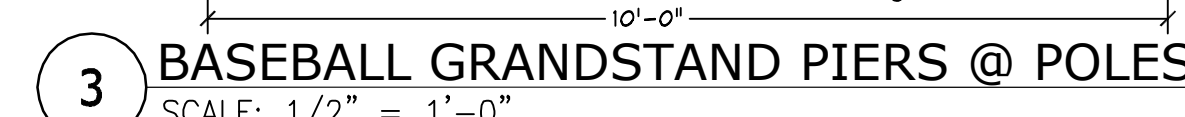
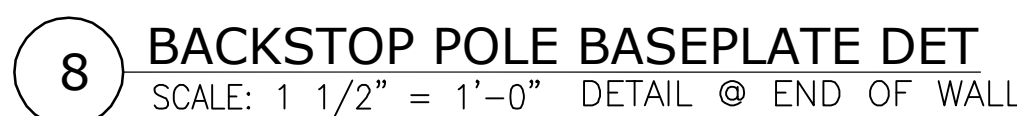
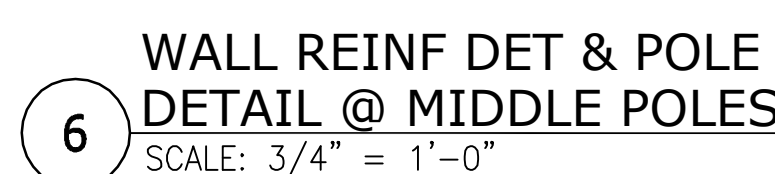
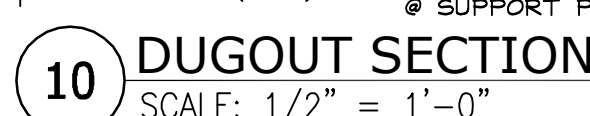
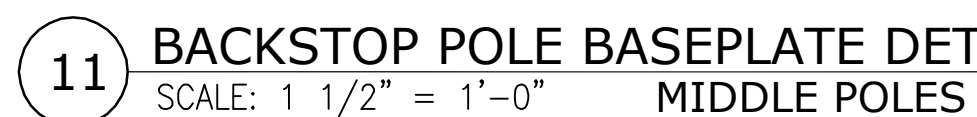
Civil Engineer 	Electrical Engineer 	Structural Engineer
Elwyn & Palmer CONSULTING ENGINEERS, PLLC		
Elwyn & Palmer 330 East 58th Street, 11th Fl., New York, NY 10022 phone: 607-277-4000 fax: 607-277-4004		

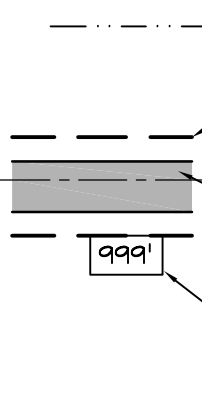

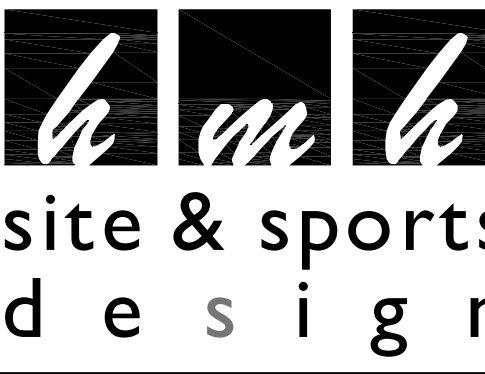


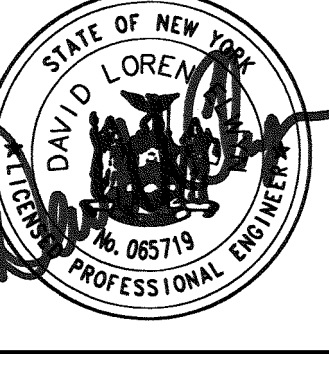
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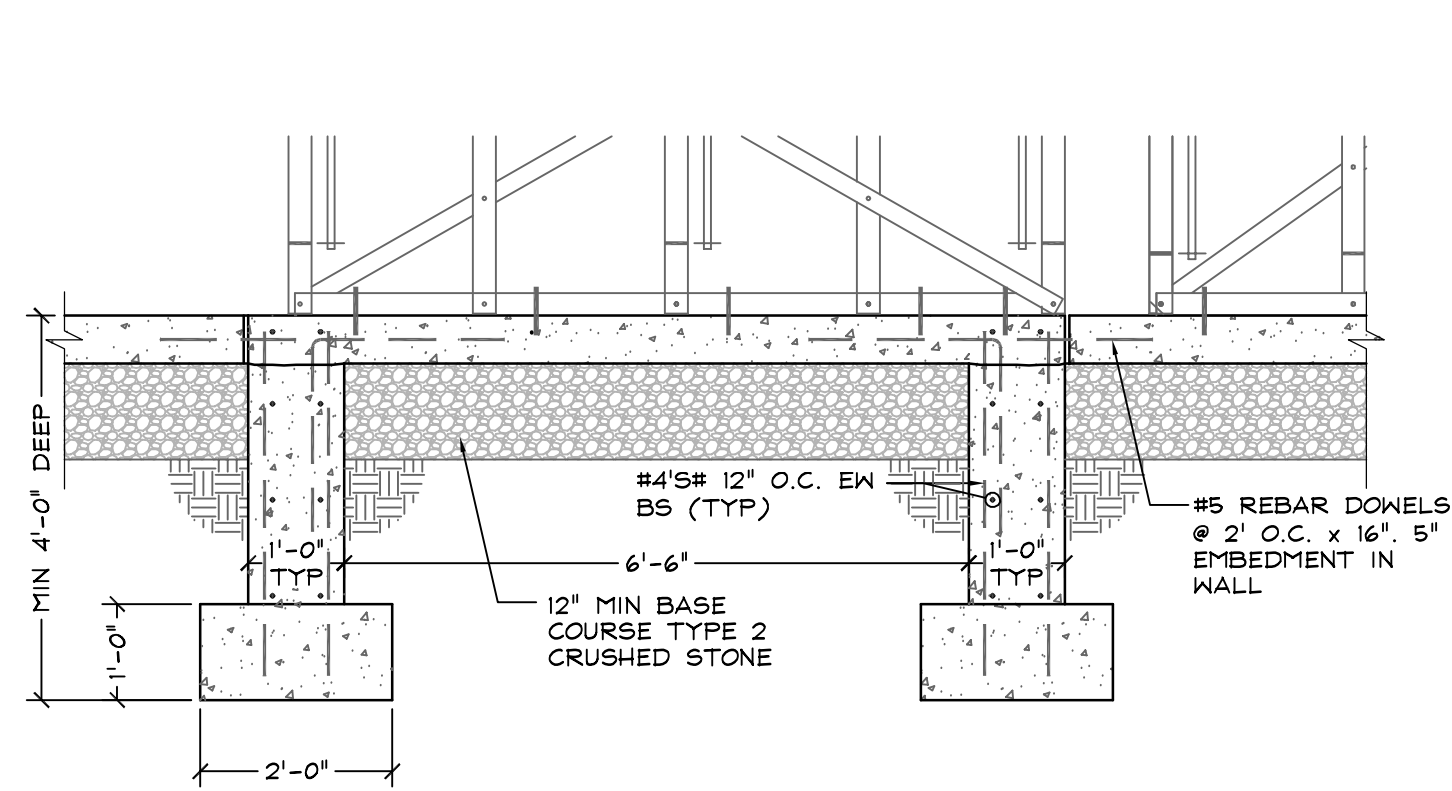
Date:
February 1, 2013

Drawing title:
SITE DETAILS

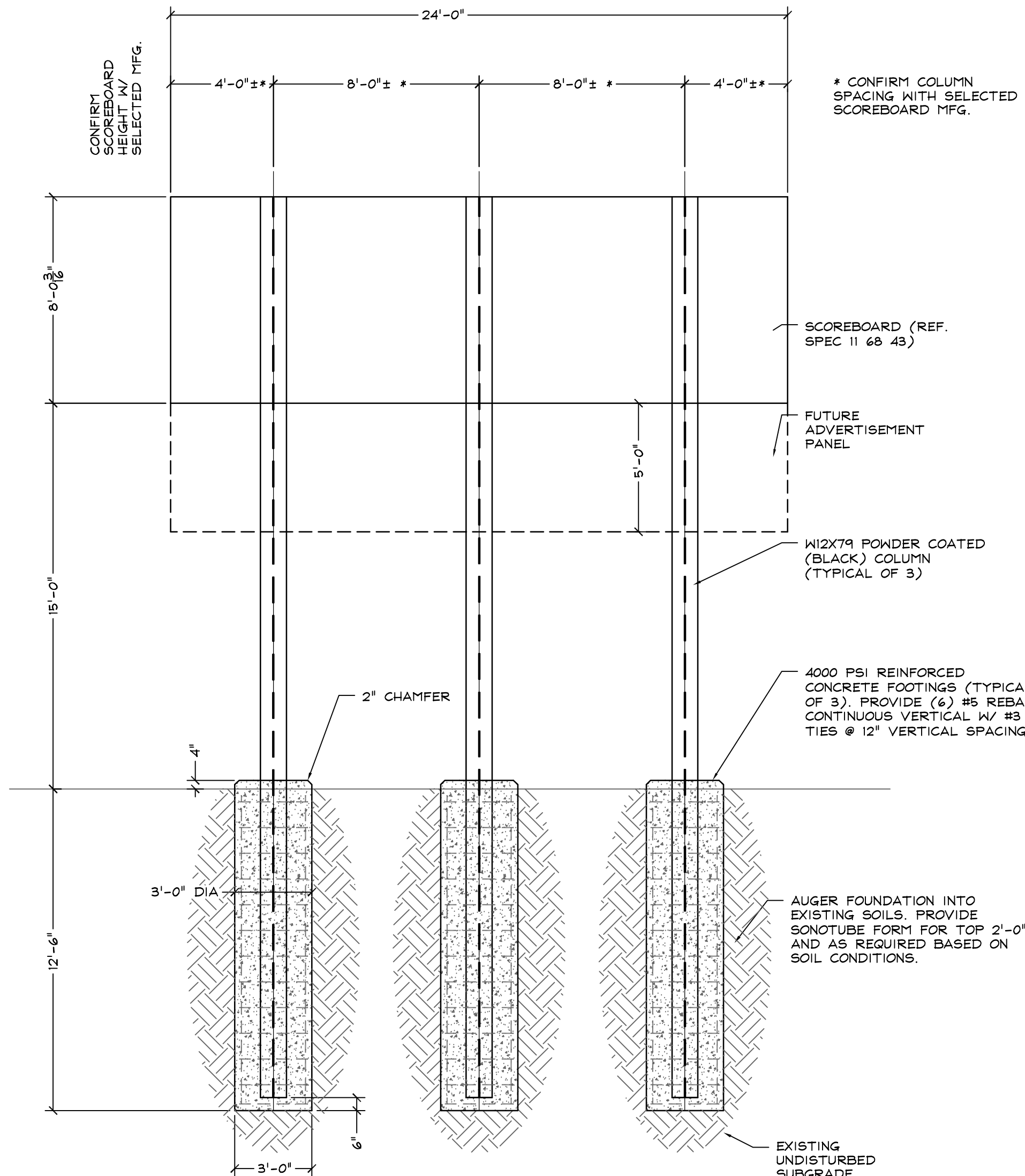
HMM Project # 11-001	Sheet # C04
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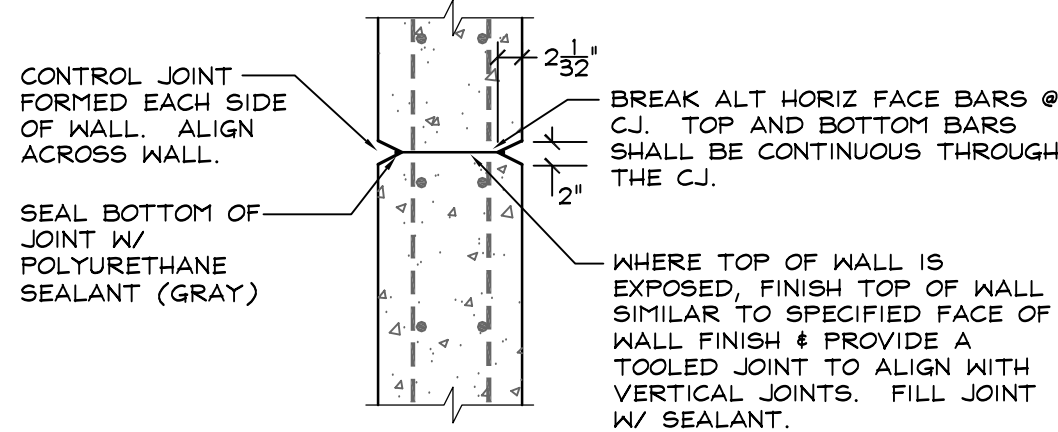
Rev. No.:	Date:	Description:
GENERAL NOTES		
1. CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ELEVATIONS SHOWN AND IMMEDIATELY REPORT ANY DISCREPANCIES OR OMISSIONS TO THE ARCHITECT PRIOR TO CONSTRUCTION OR FABRICATION.		
2. SECTIONS AND DETAILS ARE CONTINUOUS AND TYPICAL UNLESS NOTED OTHERWISE.		
3. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATED AND PRESERVE EXISTING UTILITIES.		
4. PROVIDE BARRICADES, WARNING SIGNALS, WARNING LIGHTS AND SIMILAR ITEMS AS REQUIRED AND MAINTAIN THROUGHOUT CONSTRUCTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND PROTECTION.		
5. CONTRACTOR SHALL COORDINATE ALL CONCRETE, EARTHWORK, MASONRY, AND STRUCTURAL STEEL WORK WITH THE INSPECTOR AND TESTING AGENCY RETAINED BY THE OWNER.		
6. SEE S01 FOR STRUCTURAL NOTES & TYPICAL DETAILS.		
CONTRACT NOTES		
1. UNLESS NOTED OTHERWISE, ALL WORK SHOWN ON THIS DRAWING IS PART OF THE SITE WORK CONTRACT. THE SITE WORK CONTRACTOR SHALL PERFORM ALL ELECTRICAL TRENCHING AND BACKFILL AS REQUIRED BY THE 'E' DRAWINGS, AND DIV. 26 PENETRATIONS. COORDINATE ALL WORK WITH THE ELECTRICAL WORK CONTRACTOR.		
2. ALL PIPE & CONDUIT PENETRATIONS THROUGH CONCRETE WALLS AND SLABS ARE TO BE SLEEVED, NOT CORED. COORDINATE REQUIRED CONDUIT LOCATIONS WITH ELECTRICAL CONTRACTOR (EC). EC TO PROVIDE AND LOCATE SLEEVES FOR SC TO INSTALL.		
FOUNDATION SYMBOL KEY:		
		
INDICATES LOCATION OF CONTRACTION JOINTS. SEE TYPICAL SLAB DETAIL.		
INDICATES FOUNDATION WALL AND PIER FOOTING. SEE PLAN FOR FOOTING WIDTH AND TYP WALL DETAIL.		
INDICATES CONCRETE FOUNDATION WALL. SEE PLAN FOR T.O.M. ELEV. & WALL WIDTH. SEE TYP WALL DETAIL.		
INDICATES BOTTOM OF FOOTING ELEVATION.		
ISSUED FOR BID		
		
Client name: State University of New York Purchase College Purchase, New York 10577		
Project title: Purchase College Athletic Field Complex		
		
Prime Consultant: Hughes Associates, Landscape Architects, PLLC. 330 East State Street, Ithaca, New York 14850 phone 607-377-4000 fax 607-377-4004		
Consultant List: Civil Engineer Electrical Engineer Structural Engineer		
  		
Elwyn & Palmer CONSULTING ENGINEERS, PLLC Ithaca, New York 607-272-0060 www.ElwynPalmer.com		
Drawn by: DLERAM		
Date: February 1, 2013		
Drawing title: BASEBALL BACKSTOP WALL STRUCTURAL PLANS & DETAILS		
HMH Project # 11-001		
Sheet # S10		



5 SECTION @ BLEACHER
SCALE: 1/2" = 1'-0"



2 SCOREBOARD SUPPORT STRUCTURE & FOUNDATION
SCALE: 1/4" = 1'-0"

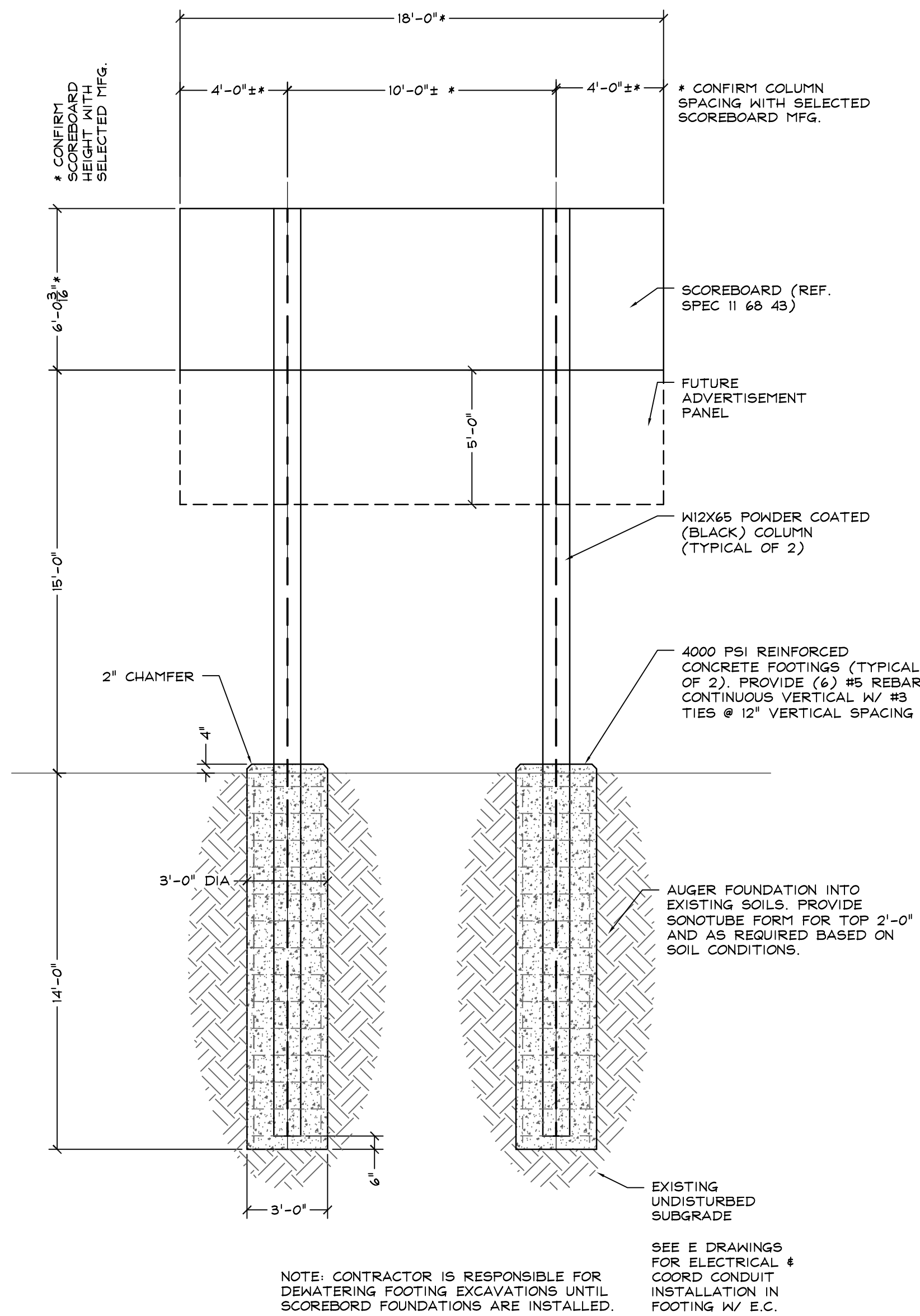


3 TYP CONCRETE WALL VERT CJ DET
SCALE: 3/4" = 1'-0"

	FOR WALLS, SLABS, FOOTINGS & BEAMS					FOR PIERS & COLUMNS
	CONCRETE STRENGTH, PSI					
BAR SIZE	3000	3500	4000	4500	5000	ALL CONCRETE
#3	1'-5"	1'-4"	1'-3"	1'-2"	1'-1"	1'-0"
#4	1'-11	1'-9"	1'-8"	1'-7"	1'-6"	1'-5"
#5	2'-4"	2'-2"	2'-0"	1'-11"	1'-10"	1'-7"
#6	2'-10"	2'-7"	2'-5"	2'-4"	2'-2"	1'-11
#7	4'-1"	3'-9"	3'-7"	3'-4"	3'-2"	2'-2"
#8	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	2'-6"
#9	5'-3"	4'-10"	4'-7"	4'-4"	4'-1"	2'-10"
#10	6'-11"	5'-6"	5'-2"	4'-10"	4'-7"	3'-2"

- NOTES:
- THE ABOVE TABLE APPLIES TO GRADE 60 DEFORMED BARS.
 - "T" SPACING SHALL BE USED FOR WALLS, SLABS, FOOTINGS AND BEAMS.
 - "C" SPACING SHALL BE USED FOR PIERS AND COLUMNS.
 - CLEAR SPACING BETWEEN BARS SHALL BE NOT LESS THAN 2 BAR DIAMETERS.
 - IF CLEAR BAR SPACING IS LESS THAN 2 BAR DIAMETERS, MULTIPLY THE ABOVE LAP LENGTHS BY 1.5.
 - FOR EPOXY COATED BARS, MULTIPLY THE ABOVE LAP LENGTHS BY 1.2 FOR CLEAR SPACING BETWEEN BARS GREATER THAN 6 BAR DIAMETERS, OR 1.5 IF CLEAR SPACING IS LESS THAN 6 BAR DIAMETERS.

4 REBAR LAP SPICE LENGTH SCHEDULE
SCALE: 1 1/2" = 1'-0"



1 SCOREBOARD SUPPORT STRUCTURE & FOUNDATION
SCALE: 1/4" = 1'-0"

REINFORCED CONCRETE NOTES

- CONCRETE SHALL BE AS FOLLOWS:

	STRENGTH	MAX AGG.	AIR
FOOTINGS	3500 PSI	1 1/2"	NONE
WALLS	4000 PSI	1"	4.5-7.5%
SLABS	4500 PSI	1 1/2"	4.5-7.5%
- ALL CONCRETE TO CONTAIN WATER REDUCING ADMIXTURE.
- CEMENT TO BE TYPE I PORTLAND CEMENT. INCLUDE 20% FLY ASH IN COMBINATION WITH PORTLAND.
- MAX W/C RATIO OF ALL CONCRETE 0.45.
- SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615-60 GRADE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
 - FOUNDATION WALLS AND PIERS - 2" MIN
 - SLABS - 1 1/2" MIN
 - FOOTINGS - 3"
- ALL REINFORCING STEEL SHALL HAVE CONCRETE COVER AS FOLLOWS:
 - FOUNDATION WALLS AND PIERS - 2" MIN
 - SLABS - 1 1/2" MIN
 - FOOTINGS - 3"
- SEE THE TYPICAL BAR LAP LENGTH TABLE FOR REINFORCING STEEL LAP LENGTHS.
- CURE ALL EXPOSED CONCRETE USING SUPERVISED WET CURE OR AN APPROVED CURING COMPOUND.
- SLAB FINISH TO RECEIVE A LIGHT BROOM FINISH. TEXTURE TO BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
- PROVIDE ALL TIE BARS, SPACER BARS, CHAIRS AND ACCESS.
- ALL PENETRATIONS THROUGH STRUCTURAL SLABS AND WALLS SHALL BE SLEEVED OR CHASED. CORE-DRILLING OF SLABS AND WALLS IS NOT PERMITTED.
- CONCRETE WALLS SHALL BE FORM CURED FOR A MINIMUM OF 24 HOURS AND UNTIL FORMS CAN BE REMOVED WITHOUT DAMAGING THE CONCRETE. FINISH SHALL BE FINISHED. COMPLETE THE CURING OF THE CONCRETE WALLS AS REQUIRED.
- ALL EXPOSED CONCRETE WALL SURFACES SHALL GET A SMOOTH FORMED FINISH.
- ALL SAW-CUT AND FORMED CONTRACTION JOINTS, EXPANSION JOINTS, AND OTHER CONCRETE SLAB, APRON AND WALKWAY JOINTS TO BE FILLED WITH A POLYURETHANE JOINT SEALANT. REFER TO SPECIFICATION FOR ACCEPTABLE PRODUCTS.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL TUBE SECTIONS SHALL COMPLY WITH ASTM A500, GR. B (Fy=46 KSI). STRUCTURAL STEEL PIPE SECTIONS SHALL COMPLY WITH ASTM A501 (Fy=36 KSI).
- ALL OTHER STRUCTURAL SHAPES SHALL COMPLY WITH ASTM A 36 (Fy=36 KSI).
- SHOP CONNECTIONS SHALL BE 3/4" DIAMETER A325 HIGH STRENGTH BOLTED OR WELDED.
- FIELD CONNECTIONS SHALL BE 3/4" DIAMETER A325 HIGH STRENGTH BOLTED OR WELDED. FIELD BOLTED CONNECTIONS SHALL BE SHEAR/BEARING CONNECTIONS UNLESS OTHERWISE NOTED ON THE DRAWINGS. SHEAR BEARING CONNECTIONS SHALL BE INSTALLED TO THE SNUG FIT CONDITION.
- ALL STRUCTURAL STEEL, BACKSTOP POLES, GUARDRAILS AND HANDRAILS SHALL BE BLAST CLEANED TO AN SSPC-6 COMMERCIAL BLAST CLEAN AND SHALL RECEIVE POWDER COATING. SEE SPEC 05/200 FOR PAINT INFO. COLOR BLACK.

Rev. No.	Date	Description

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ELEVATIONS SHOWN AND IMMEDIATELY REPORT ANY DISCREPANCIES OR OMISSIONS TO THE ARCHITECT PRIOR TO CONSTRUCTION OR FABRICATION.
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- CONTRACTOR SHALL COORDINATE ALL CONCRETE, EARTHWORK, AND STRUCTURAL STEEL WORK WITH THE INSPECTION AND TESTING AGENCY RETAINED BY THE OWNER.

BUILDING DESIGN LOADS

MINIMUM DESIGN LOADS PER BUILDING CODE OF NEW YORK STATE (NYSC) 200.			
LOAD COMBINATIONS.....	NYSC 1605.2 OR 1605.3		
BUILDING OCCUPANCY CATEGORY (1604.5).....	II		
MIN FLOOR LIVE LOADS (1607):	UNIFORM	CONC	
BLEACHERS.....	100 PSF		
FIXED SEATS.....	60 PSF		
STAIRS & EXITS.....	100 PSF		
DESIGN GRANDSTAND IN ACCORDANCE WITH ICC 'STANDARD ON BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS'.			
STAIRWAY RAILING LOADS (1607.7.1):			
HANDRAILS & GUARDRAILS.....	50 PLF	200 #	
BALUSTERS.....	50 PSF ON 1 SF		
ROOF LIVE LOADS (1607.11.2):			
MIN ROOF LIVE LOAD.....	20 PSF (NO REDUCTION)		
ROOF SNOW LOAD (1608):			
GROUND SNOW LOAD Pg.....	30 PSF		
FLAT-ROOF SNOW LOAD Pf.....	2 PSF		
SNOW EXPOSURE FACTOR Ce.....	1.0		
SNOW IMPORTANCE FACTOR Is.....	1.0		
THERMAL FACTOR Ct.....	1.0		
SLOPE ROOF FACTOR Cs.....	1.0		
SNOW DRIFT LOAD.....	PER ASCE 7.7		
WIND LOAD (1609):			
BASIC DESIGN WIND SPEED.....	110 MPH		
WIND IMPORTANCE FACTOR Iw.....	1.0		
WIND EXPOSURE.....	B		
ENCLOSURE CLASSIF.....	PARTIALLY ENCLOSED		
INTERNAL PRESSURE COEFF.....	+0.55		
DIRECTIONALITY (Kd).....	0.85		
EXT COMP & CLADDING PRESSURE (1609.1.1 & ASCE 7-05)			
ROOF			
AREA	10 SF	100 SF	500 SF
NEGATIVE ZONE 1	-30.4	-30.4	-30.4
NEGATIVE ZONE 2	-34.1	-32.8	-32.8
NEGATIVE ZONE 3	-43.3	-39.6	-32.3
POSITIVE ALL ZONES	15.7	14.4	13.8
OVERHANG ZONE 2	-35.7	-35.4	-37.8
OVERHANG ZONE 3	-58.1	-48.2	-34.7
WALL			
AREA	10 SF	100 SF	500 SF
NEGATIVE ZONE 4	-28.4	-28.5	-28.4
NEGATIVE ZONE 5	-33.4	-27.5	-23.4
POSITIVE ZONE 4 & 5	-26.7	23.8	21.8
EARTHQUAKE DESIGN DATA (1616):			
SEISMIC IMPORTANCE FACTOR (I).....	1.0		
SPECTRAL RESPONSE COEF SDS.....	0.283		
SPECTRAL RESPONSE COEF SD1.....	0.114		
SITE CLASS.....	D		
SEISMIC DESIGN CATEGORY.....	II		
BASIC SEISMIC-FORCE-RESISTING SYSTEM.....	ORDINARY PLAN CONCRETE SHEAR WALLS (DUG-OUT)		
DESIGN BASE SHEAR PER 1617.4.1			
SEISMIC RESPONSE COEFFICIENT Cs.....	0.188		
RESPONSE MODIFICATION FACTOR R.....	1.5		
ANALYSIS PROCEDURE.....	EQUIVALENT LATERAL FORCE (1617.4)		

ISSUED FOR BID



Client name:
State University of New York
Purchase College
Purchase, New York 10577

Project title:
Purchase College Athletic Field Complex



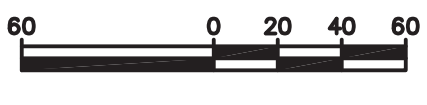
Prime Consultant:
Hughes Associates,
Landscape Architects, PLLC.
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer: Elwyn Palmer
Electrical Engineer: Elwyn Palmer
Structural Engineer: Elwyn Palmer
CONSULTING ENGINEERS, PLLC.
Ithaca, New York
607-272-5000 www.ElwynPalmer.com

Drawn by: DLERAM Date: February 1, 2013

Drawing title:
STRUCTURAL DETAILS & NOTES

HMH Project #
11-001
Sheet #
S11



Rev. No.:	Date:	Description:

GENERAL NOTES

- A. UNLESS OTHERWISE NOTED, ALL CONDUITS ON THE SITE ARE DIRECT BURIED. REFER TO DETAIL 2, ON DRAWING E02 FOR ADDITIONAL INFORMATION.
- B. PRIOR TO ANY EXCAVATION, LOCATE ALL EXISTING UTILITIES.
- C. THE SITE WORK CONTRACTOR WILL PROVIDE ALL EXCAVATION AND BACKFILL.
- D. PROVIDE A PULL STRING IN ALL EMPTY AND SPARE CONDUITS SHOWN ON THIS PLAN.
- E. VERIFY FINAL GRADE ELEVATIONS WITH SITE WORK CONTRACTOR PRIOR TO ALL EXCAVATION FOR TRENCHING, HANDHOLES, MANHOLES, PULLBOXES, AND POLES. CONDUITS, MANHOLE COVERS, HANDHOLE COVERS, AND CONCRETE EQUIPMENT PADS SHALL BE COORDINATED WITH FINAL GRADES INDICATED ON SITE PLANS.
- F. COORDINATE ALL SHUTDOWNS WITH CAMPUS PRIOR TO BEGINNING WORK.
- G. COORDINATE INSTALLATION OF ALL NEW DIRECT BURIED CONDUITS FOR NEW PARKING LOT AND ROADWAY SITE LIGHTING WITH SITE WORK CONTRACTOR BEFORE INSTALLATION OF NEW SIDEWALKS AND GRAVEL.
- H. COORDINATE EXACT LOCATION OF NEW FIELD LIGHTING PANELS AND RACK WITH SITE WORK CONTRACTOR PRIOR TO INSTALLATION.
- I. ALL EXCAVATION AND BACKFILL TO BE PROVIDED BY THE SITE WORK CONTRACTOR. REFER TO SITE WORK CONTRACTORS DETAILS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.
- J. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- K. THE ELECTRICAL WORK CONTRACTOR SHALL SUBMIT CONDUIT AND PULLBOX LAYOUT PLAN FOR REVIEW PRIOR TO BEGINNING ANY WORK.
- L. PRESSBOX, SCOREBOARDS AND PLAY CLOCKS ARE FURNISHED AND INSTALLED BY SITE WORK CONTRACTOR. ELECTRICAL WORK CONTRACTOR SHALL PROVIDE REQUIRED POWER CONNECTIONS TO THESE ITEMS.
- M. ELECTRICAL WORK CONTRACTOR SHALL FURNISH AND INSTALL ALL SLEEVES, AS REQUIRED, FOR A COMPLETE INSTALLATION OF THE ELECTRIC WORK CONTRACTOR'S SCOPE OF WORK.

DRAWING NOTES

- 1) MOUNT MUSCO LED FLOOD LIGHT TO SPORTS LIGHTING POLE. PROVIDE MOUNTING BRACKET FOR FLOOD LIGHT 30' UP POLE. PROVIDE A 277-VOLT 1-PHASE CIRCUIT TO EACH A1 AND A2 POLE TO SERVE THE MUSCO LED FLOOD LIGHT. PROVIDE SINGLE POINT CONNECTION AT MUSCO DISCONNECT SWITCH.
- 2) REPLACE EXISTING PANEL FHPV-2 AS INDICATED ON RISER DIAGRAM (DETAIL 4/E02).
- 3) SpSt LIGHT SWITCH IN WEATHER PROOF BOX TO CONTROL DUG OUT FIXTURES.
- 4) PROVIDE A QUAD RECEPTACLE (1 GFCI + 1 DUPLEX) SURFACE MOUNTED ON DUGOUT WALL AT 4" AFF TO BOTTOM OF BOX. PROVIDE TAYMAC "IN USE" COVER, OR APPROVED EQUAL.
- 5) PROVIDE A QUAD RECEPTACLE (1 GFCI + 1 DUPLEX) SURFACE MOUNTED ON FENCE BOX AT BULLPEN AT 4" AFF TO BOTTOM OF BOX. PROVIDE TAYMAC "IN USE" COVER, OR APPROVED EQUAL.
- 6) 8' x 24' PREMANUFACTURED PRESSBOX. PROVIDE THE FOLLOWING:
1) #6 CU. GROUNDING CONDUCTOR FROM INTEGRAL 100A PANELBOARD TO 3/4"x10" CU. CLAD GROUND ROD IN ACCORDANCE TO 2011 NEC.
2) 3/4" EMT THROUGH FLOOR.
3) PROVIDE CONDUIT SLEEVE THROUGH FLOOR, SIZE AS INDICATED WITH FEEDER SIZE.
- 7) PROVIDE POWER CONNECTION, AS REQUIRED, TO BASEBALL FIELD SCOREBOARD. REFER TO "L" DRAWINGS FOR EXACT SCOREBOARD LOCATION.
- 8) PROVIDE POWER CONNECTION, AS REQUIRED, TO LACROSSE SHOT CLOCK. REFER TO "L" DRAWINGS FOR EXACT SHOT CLOCK LOCATIONS.

ISSUED FOR BID



Client name:
**State University of New York
Purchase College
Purchase, New York 10577**

Project title:
Purchase College Athletic Field Complex



Prime Consultant:
**Hughes Associates,
Landscape Architects, PLLC.**
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000, fax: 607-277-4004

Consultant List:
Civil Engineer
NAPIERALA CONSULTING
REGISTERED PROFESSIONAL ENGINEER, E.C.
NEW YORK STATE LICENSE NO. 00000000000000000000
and NYSAPRAC/ENGINEER
PH 607-280-0000 FAX 607-280-0004
REGISTERED PROFESSIONAL ENGINEER, E.C.
NEW YORK STATE LICENSE NO. 00000000000000000000
and NYSAPRAC/ENGINEER
PH 607-280-0000 FAX 607-280-0004

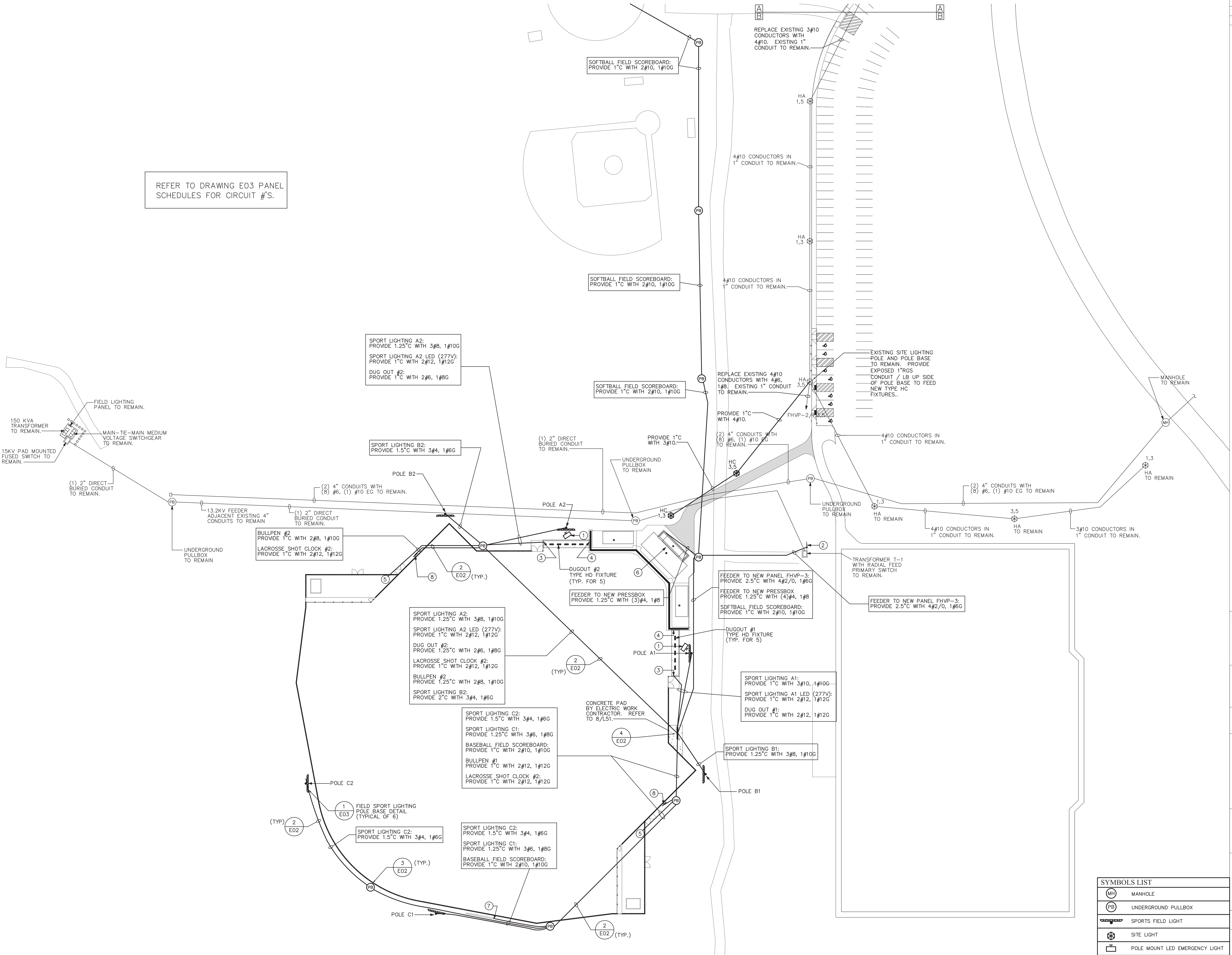
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A.PACELLI

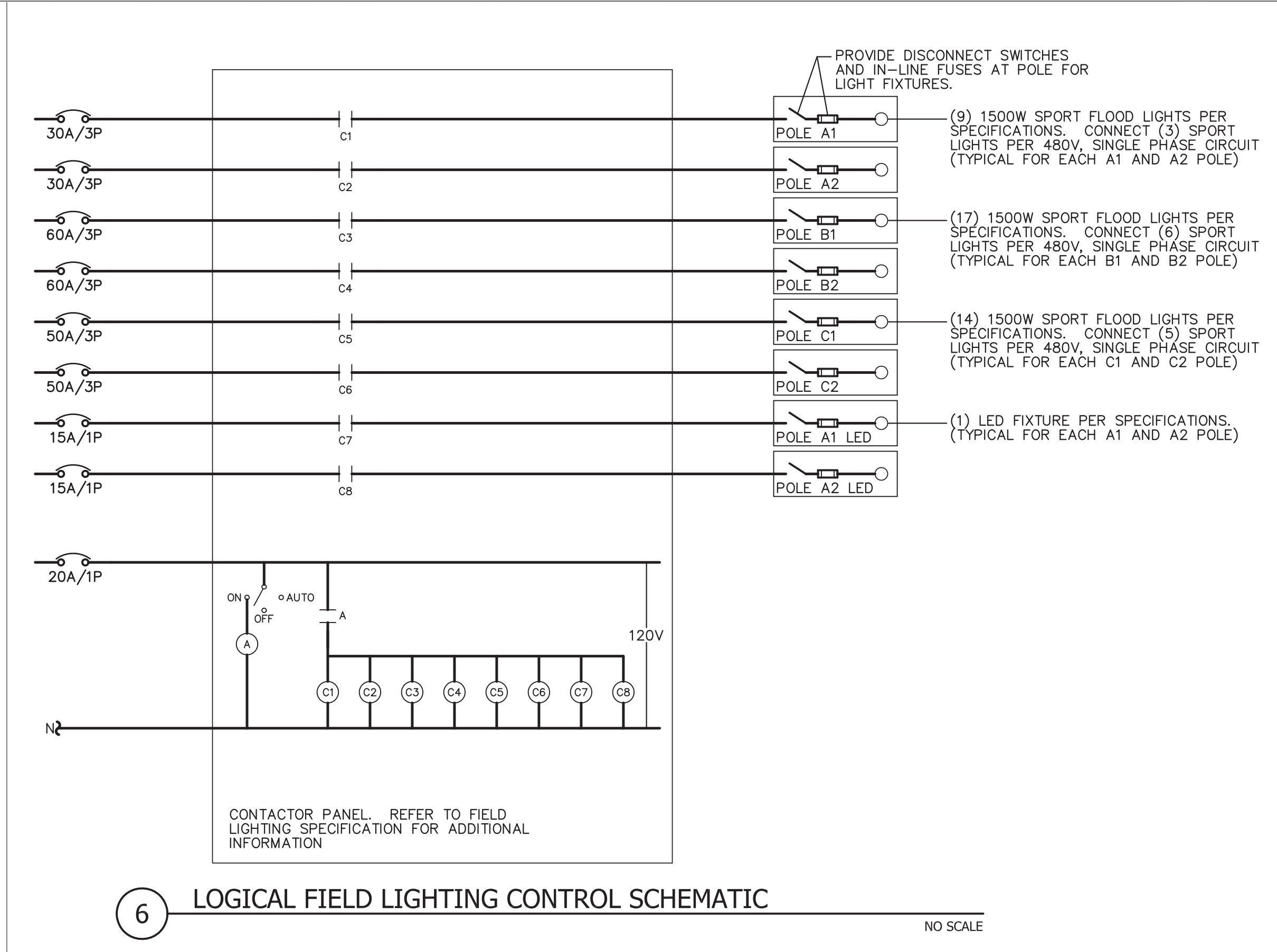
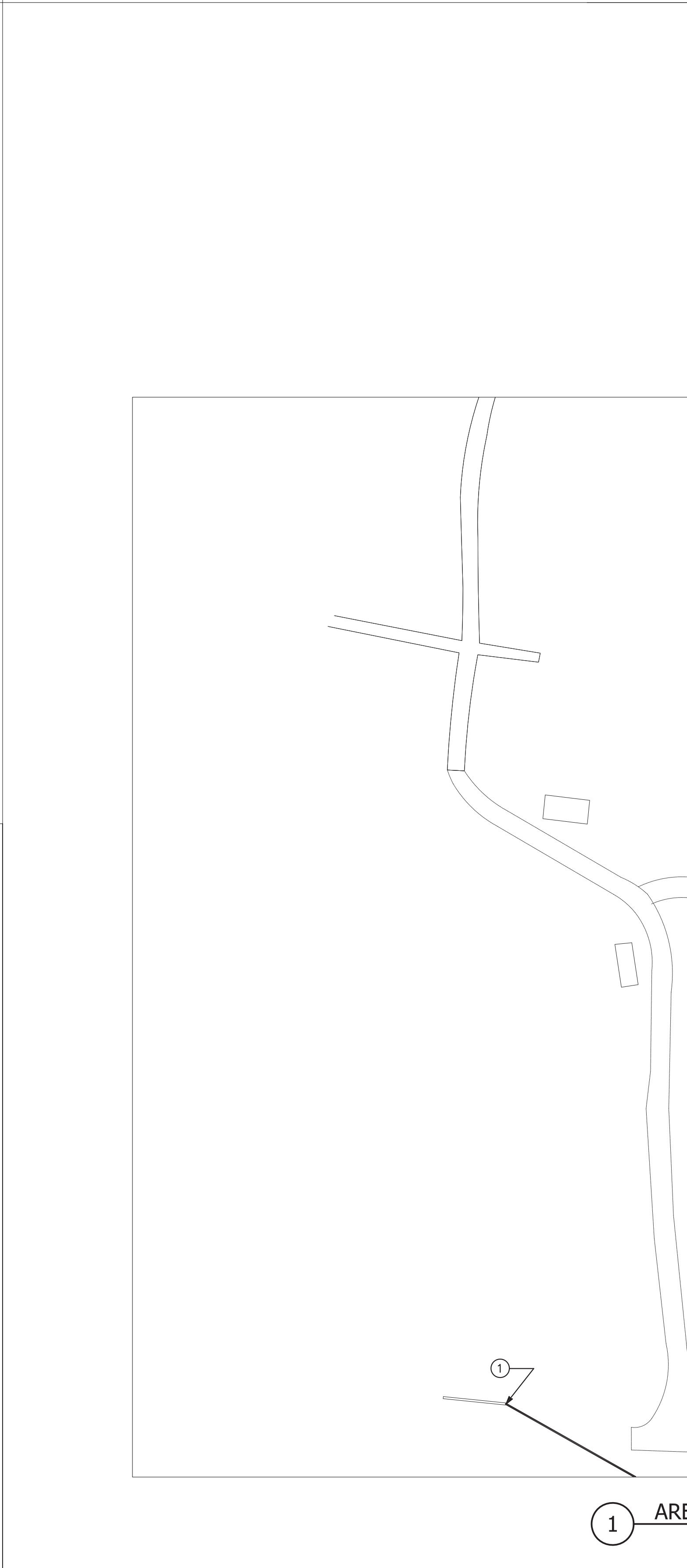
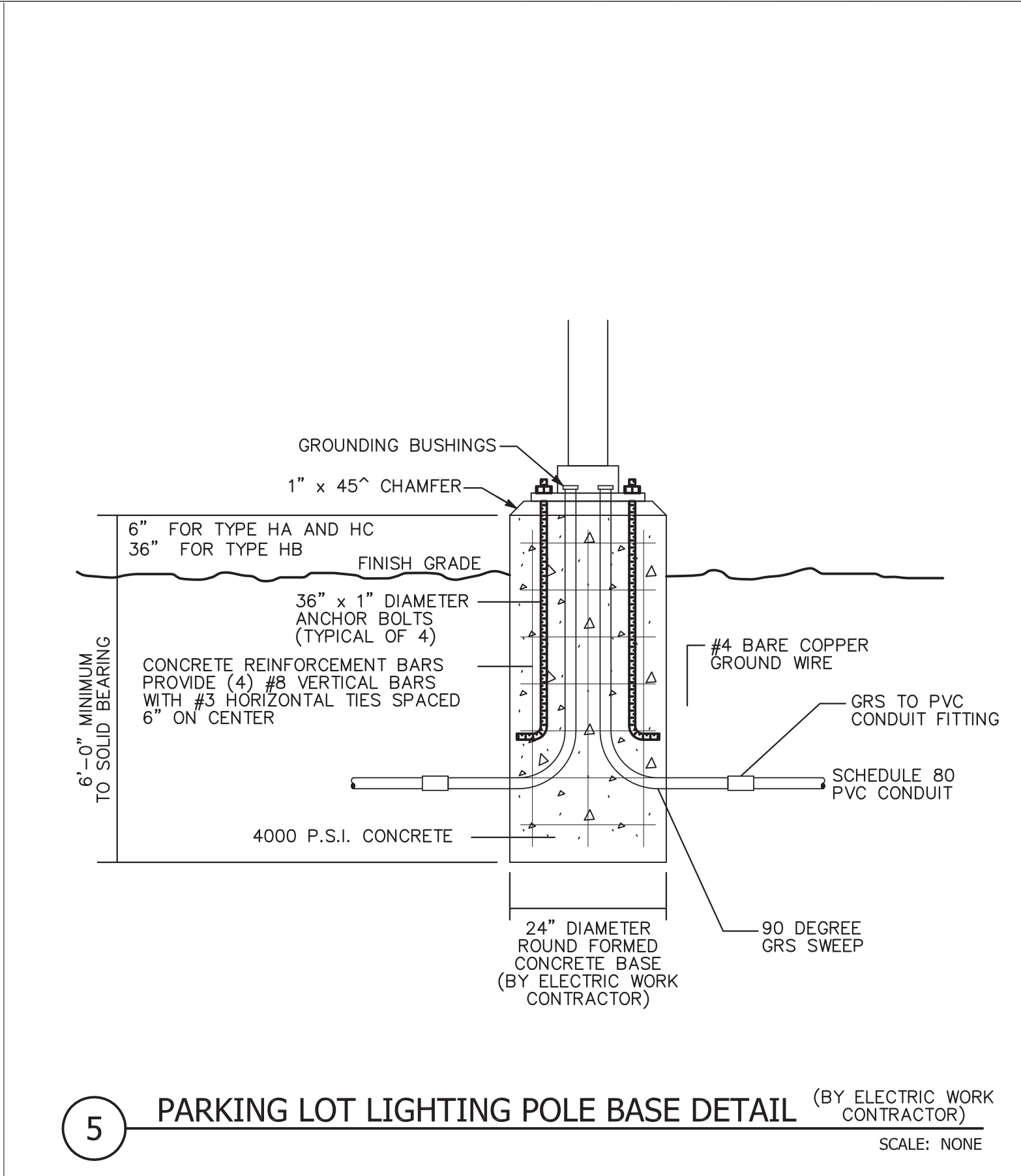
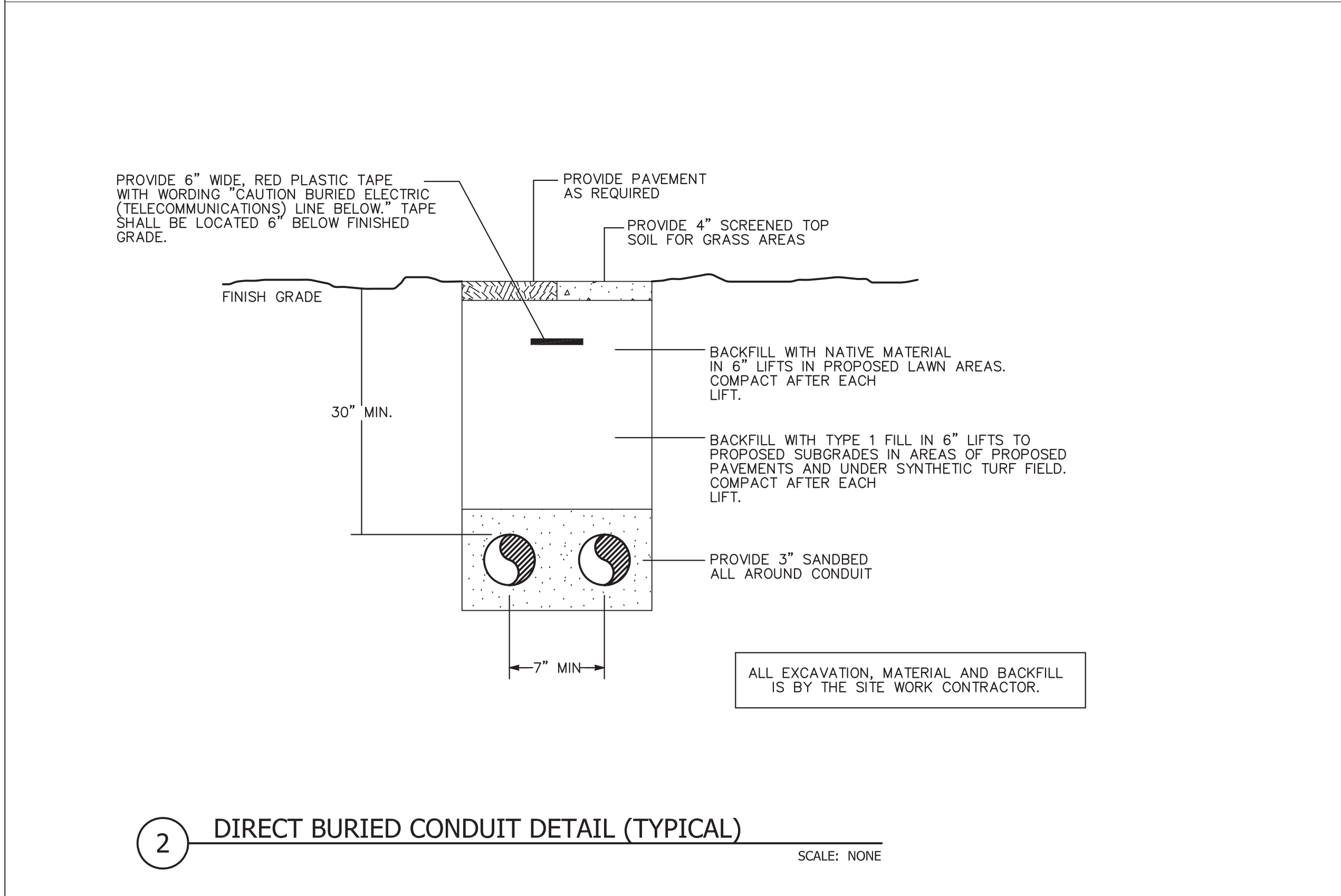
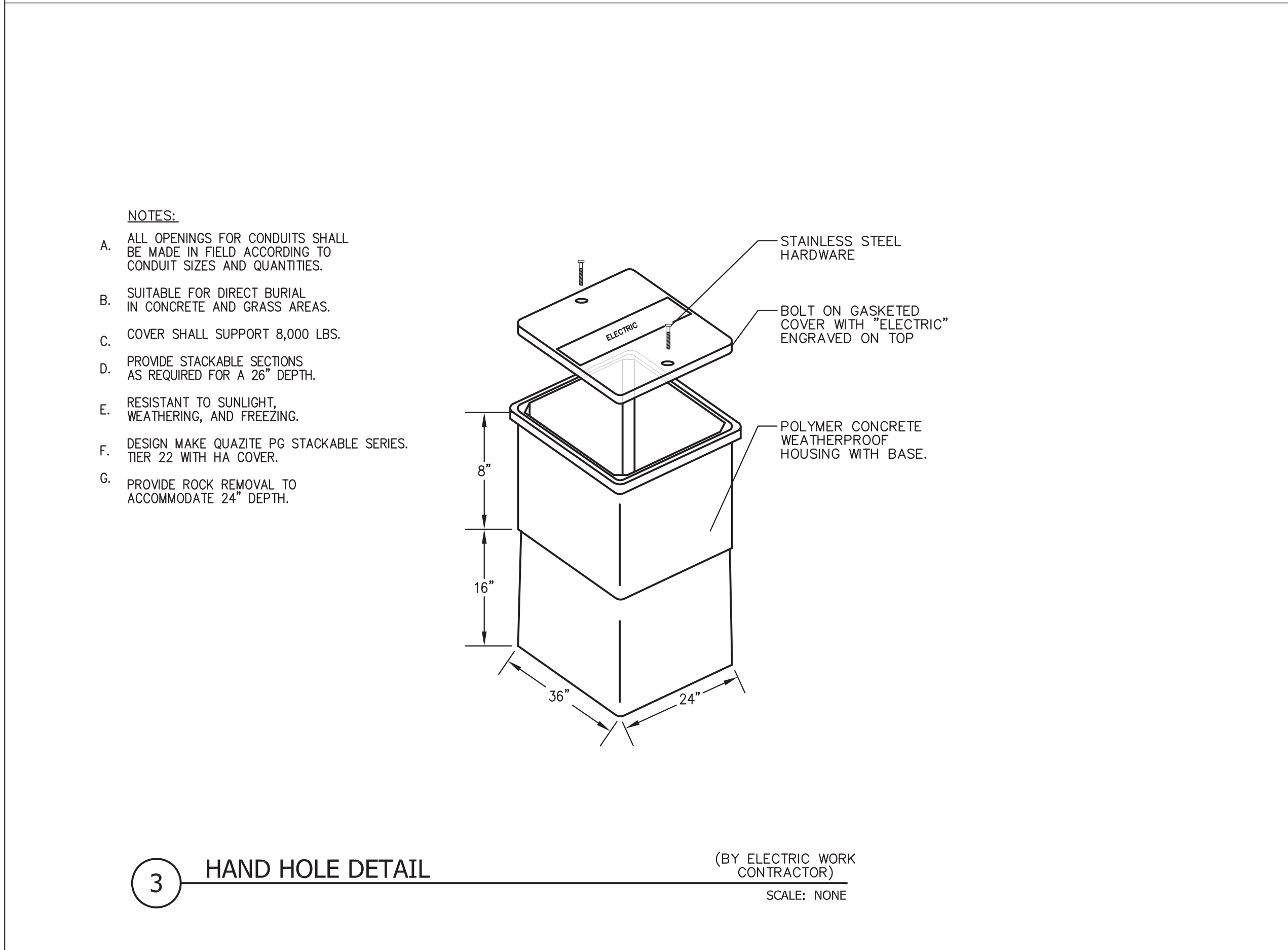
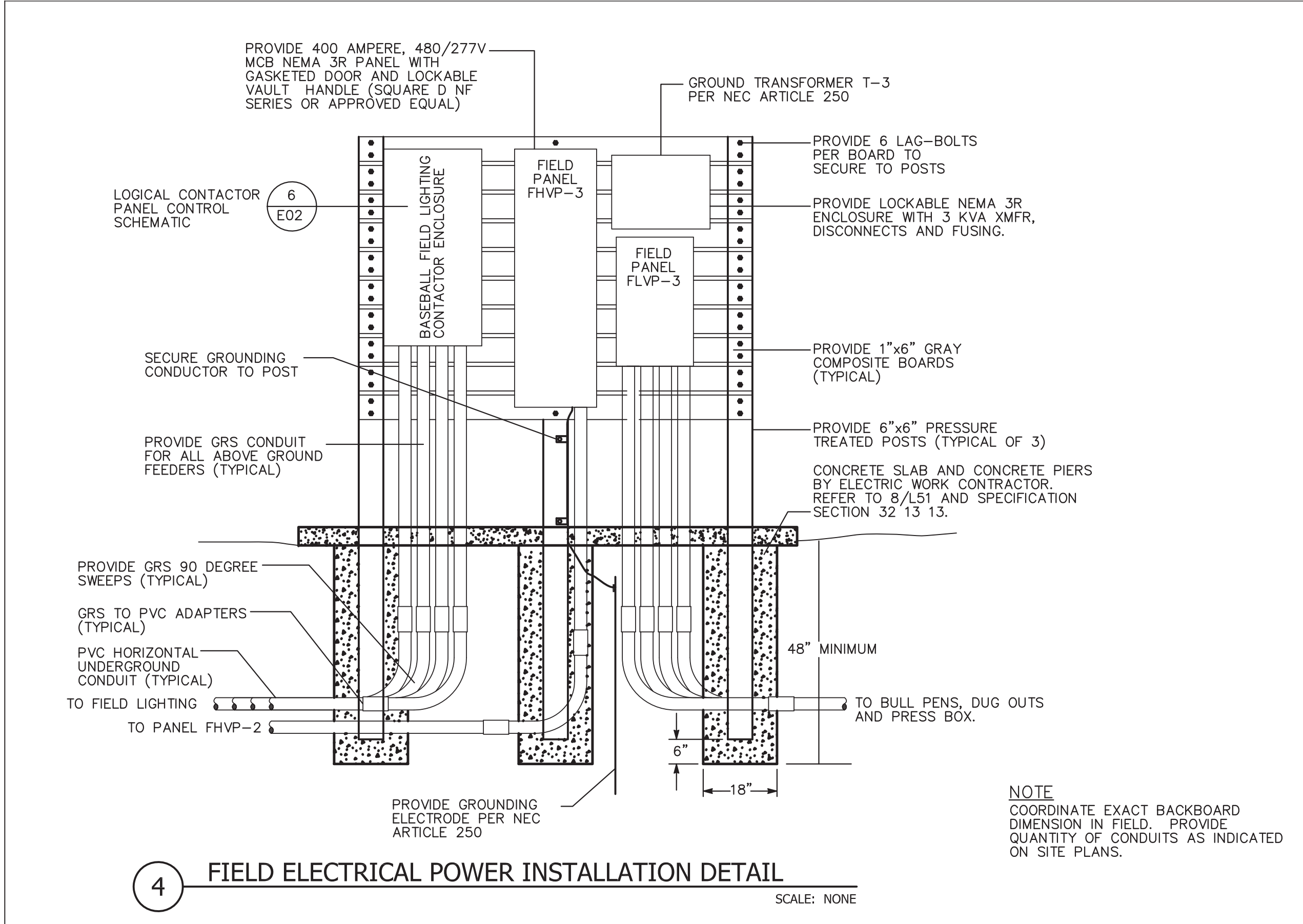
Date:
February 1, 2013

Drawing title:
**AREA I - BASEBALL FIELD
ELECTRICAL PLAN**

HMM Project #
11-001

Sheet #
E01





Rev. No.	Date	Description

GENERAL NOTES

A. UNLESS OTHERWISE NOTED ALL CONDUITS ON THE SITE ARE DIRECT BURIED. REFER TO DETAIL 2, ON DRAWING E02 FOR ADDITIONAL INFORMATION.

B. PRIOR TO ANY EXCAVATION, LOCATE ALL EXISTING UTILITIES.

C. THE SITE WORK CONTRACTOR WILL PROVIDE ALL EXCAVATION AND BACKFILL.

D. PROVIDE A PULL STRING IN ALL EMPTY AND SPARE CONDUITS SHOWN ON THIS PLAN.

E. VERIFY FINAL GRADE ELEVATIONS WITH SITE WORK CONTRACTOR PRIOR TO ALL EXCAVATION FOR TRENCHING, HANDHOLES, MANHOLES, PULLBOXES, AND POLES. CONDUITS, MANHOLE COVERS, HANDHOLE COVERS, AND CONCRETE EQUIPMENT PADS SHALL BE COORDINATED WITH FINAL GRADES INDICATED ON SITE PLANS.

F. COORDINATE ALL SHUTDOWNS WITH CAMPUS PRIOR TO BEGINNING WORK.

G. COORDINATE INSTALLATION OF ALL NEW DIRECT BURIED CONDUITS FOR NEW PARKING LOT AND ROADWAY SITE LIGHTING WITH SITE WORK CONTRACTOR BEFORE INSTALLATION OF NEW SIDEWALKS AND GRAVEL.

H. COORDINATE EXACT LOCATION OF NEW FIELD LIGHTING PANELS AND RACK WITH SITE WORK CONTRACTOR PRIOR TO INSTALLATION.

I. ALL EXCAVATION AND BACKFILL TO BE PROVIDED BY THE SITE WORK CONTRACTOR. REFER TO SITE WORK CONTRACTORS DETAILS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.

J. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

K. THE ELECTRICAL WORK CONTRACTOR SHALL SUBMIT CONDUIT AND PULLBOX LAYOUT PLAN FOR REVIEW PRIOR TO BEGINNING ANY WORK.

L. PRESSBOX, SCOREBOARDS AND PLAY CLOCKS ARE FURNISHED AND INSTALLED BY SITE WORK CONTRACTOR. ELECTRICAL WORK CONTRACTOR SHALL PROVIDE REQUIRED POWER CONNECTIONS TO THESE ITEMS.

M. ELECTRICAL WORK CONTRACTOR SHALL FURNISH AND INSTALL ALL SLEEVES, AS REQUIRED, FOR A COMPLETE INSTALLATION OF THE ELECTRIC WORK CONTRACTOR'S SCOPE OF WORK.

DRAWING NOTES

1 PROVIDE POWER CONNECTION, AS REQUIRED, TO SOFTBALL FIELD SCOREBOARD. REFER TO "L" DRAWINGS FOR EXACT SCOREBOARD LOCATION.

ISSUED FOR BID

PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

Client name:
**State University of New York
Purchase College
Purchase, New York 10577**

Project title:
Purchase College Athletic Field Complex

h m h
site & sports
design

PROFESSIONAL ENGINEER
MICHAEL HUGHES
STATE OF NEW YORK
02116

Prime Consultant:
**Hughes Associates,
Landscape Architects, PLLC.**
330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004

Consultant List:
Civil Engineer
NAPIERALA CONSULTING
PROFESSIONAL ENGINEER, P.E.
100 UNIVERSITY
ITHACA, NEW YORK 14850
TEL: 607-277-4000 FAX: 607-277-4004

MTI
MICHAEL T. IACOPINO ENGINEERING, PLLC
100 UNIVERSITY
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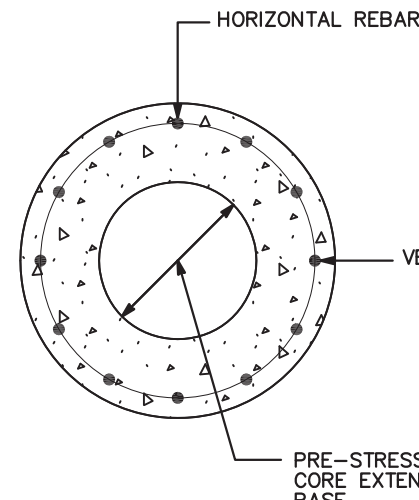
Drawn by:
A. PACELLI

Date:
February 1, 2013

Drawing title:
**AREA 2 - PARKING LOT
ELECTRICAL LAYOUT**

HMM Project #
11-001

Sheet #
E02



(BY ELECTRIC WORK
CONTRACTOR)

SCALE: NONE

GENERAL NOTES:

1. THE ABOVE PANEL REFLECTS REPLACEMENT PANEL FOR FHVP-2. REPLACEMENT PANEL SHALL CONTAIN 400A SUBFEED LUGS TO SERVE FHVP-3.
2. MAIN BREAKER TO BE 100% RATED.
3. PROVIDE PANEL WITH VAULT STYLE HANDLE.

CODED NOTES NOTES:

- ① RECONNECT EXISTING LOAD WITHIN REPLACEMENT PANELBOARD.

PANELBOARD SCHEDULE - FHVP-3 (NEW)

NOTES:

1. MAIN BREAKER TO BE 100% RATED.
2. PROVIDE PANEL WITH VAULT STYLE HANDLE.



LIGHT FIXTURE SCHEDULE

EXISTING LIGHT
FIXTURES ON
CAMPUS IN
APPEARANCE
ONLY.
COORDINATE
EXACT FINISH
AND TRIMS WITH
EXISTING SITE
LIGHT FIXTURES
AND POLES ON
CAMPUS PRIOR
TO ORDERING.

TRANSFORMER SCHEDULE

NOTES:

1. PROVIDE NEMA 3R ENCLOSURE. DESIGN MAKE: SQUARE D - 15S40FSS.

1. PROVIDE NEMA 3R ENCLOSURE. DESIGN MAKE: SQUARE D - 15S40FSS

NOTES:

1. PROVIDE LOCKABLE VAULT STYLE HANDLE.

1. WEIGHT OF POLE, FIXTURES AND ACCESSORIES.
2. SUSPEND PRECAST BASE "Y" OFF THE BOTTOM OF THE EXCAVATION DURING MONOLITHIC CONCRETE BACKFILL PLACEMENT AND CURING. NA = NOT APPLICABLE, SUSPENSION NOT REQUIRED.
3. MINIMUM CONCRETE BACKFILL VOLUME, SITE CONDITIONS MAY REQUIRE ADDITIONAL BACKFILL.



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[illegible]

- POLES A1, A2 EACH HAVE TWO FIXTURES AT 40'-0" AGL, INCLUDED IN EPA ABOVE.

DESIGN NOTES

GEOTECHNICAL PARAMETERS:
ALLOWABLE END BEARING SOIL PRESSURE: 3,000 PSF
ALLOWABLE LATERAL SOIL BEARING PRESSURE: 0 PSF/FT (GRADE TO -2'-0")
70 PSF/FT (-2'-0" TO -4'-0")
140 PSF/FT (BELOW -4'-0")

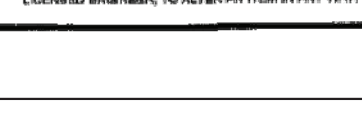
DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE SOILS AND FOUNDATION REPORT, NO. SFC 12-89, PREPARED BY CENTS ENGINEERING, P.C., WATERBURY, VT.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

GENERAL NOTES:
 FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE
 FROM ANY OBSTRUCTION. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS
 AND INSTALLATION PER MUSCO LIGHTING.





MUSCO
Lighting

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OSKALOOSA, IA 52577
(800) 875-6020

**STRUCTURAL
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114 NICHOLAS DRIVE
MARSHALL TOWN, IOWA 50158
PHONE NUMBERS: 641-752-6334
EMAIL: MSLINFO@SEPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION	NOTES: SCAN #1606711
SCALE: SEE PLAN	

PROJECT NUMBER	160971
DATE	18 DECEMBER 2012
DRAWING NUMBER	C1
OF ONE	

Project title:
Purchase College Athletic Field Complex



330 East State Street, Ithaca, New York 14850
phone: 607-277-4000 fax: 607-277-4004



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Drawing title:

HMM Project # 11-001	Sheet # E03
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