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WILLAMETTE UNIVERSITY

BEARCAT SOFTBALL

FIELD IMPROVEMENTS

PROJECT TEAM

OWNER

WILLAMETTE UNIVERSITY
900 State Street
Salem, Oregon 97301
Contact: Mark Mazurier
Phone: 503.370.6532

CONSTRUCTION MANAGER / GENERAL CONTRACTOR

BENCHMARK CONSTRUCTION
5809 Jean Road
Lake Oswego, OR 97035
Contact: Kelly Fitzpatrick
Phone: 503.780.9760

LANDSCAPE ARCHITECT

CAMERON MCCARTHY
LANDSCAPE ARCHITECTURE & PLANNING LLP
160 East Broadway
Eugene, OR 97401
Contact: Matthew Koehler, PLA, ASLA
Phone: 541.485.7385

CIVIL ENGINEER

MAZZETTI, INC.
940 Willamette Street, Ste. #310
Eugene, OR 97401
Contact: Geoff Larsen, PE
Phone: 503.601.5968

ELECTRICAL ENGINEER

MAZZETTI, INC.
121 SW Salmon Street, Ste. 1000
Portland, OR 97204
Contact: Tuan Tran, PE
Phone: 503.601.5970

SURVEYOR

BARKER SURVEYING
2657 Kashmir Way SE
Salem, OR 97317
Phone: 503.588.8800

SHEET LIST

GENERAL

CS.00 Cover Sheet
V1.00 Topographic Survey

CIVIL ENGINEERING

CE1.00 ESCP Cover Sheet
CE1.01 ESCP Notes
CE1.02 ESCP Existing Conditions
CE1.03 ESCP Clearing and Grading
CE1.04 ESCP Utilities
CE1.05 ESCP Vertical Construction
CE1.06 ESCP Final Stabilization
CE1.07 ESCP Erosion & Sediment Control Details

C0.01 Utility Demolition Plan
C1.00 Utility Plan
C2.00 Civil General Notes, Legend and Details
C2.01 Civil Details
C2.02 Civil Details

LANDSCAPE ARCHITECTURE

L0.00 Tree Protection and Removal Plan
L0.01 Landscape Demolition Plan
L1.00 Site Plan
L1.01 Site Fencing Plan
L1.02 Pedestrian Circulation Plan
L3.00 Grading Plan
L4.00 Subgrade Drainage Plan
L6.00 Planting Plan
L7.01 Illustrative Field Plan
L8.06 Site Renderings

ELECTRICAL ENGINEERING

E0.01 Electrical Symbol and Legends
E0.02 One-Line Diagram and Schedule
E1.01 Electrical Demolition Plan
E2.01 Electrical Plan

LIST OF ABBREVIATIONS

See Civil for abbreviations pertaining to subgrade utilities

AD	Area Drain
Approx	Approximate
Arch	Architect
B&B	Balled and Burlapped
BC	Bottom of Curb
BLDG	Building
BR	Bottom of Ramp
BS	Bottom of Step/Stair
BW	Bottom of Wall
CAL	Caliper
CB	Catch Basin
CF	Cubic Feet
CLR	Clearance
CL	Centerline
CIP	Cast in Place
CRZ	Critical Root Zone
CY	Cubic Yard
DBH	Diameter at Breast Ht.
DD	Deck Drain
DEG	Degree
DIA	Diameter
(E)	Existing
EQ.	Equal
FFE	Finish Floor Elevation
FG	Finished Grade
FL	Flow Line
FS	Finished Surface
GA	Gauge
GUT	Gutter
HP	High Point
HPS	High Point Swale
HT	Height
I.D	Inner Dimension
LF	Linear Feet
LP	Low Point
MH	Manhole
NIC	Not in Contract
NTE	Not To Exceed
NTS	Not to Scale
OC	On Center
O.D	Outer Dimension
PL	Property Line
POB	Point of Beginning
POC	Point of Connection
R	Radius
REINF	Reinforced
ROW	Public Rights-of-Way
SD	Storm Drain
SF	Square Feet
STD	Standard
TC	Top of Curb
TD	Trench Drain
TF	Top of Footing
TR	Top of Ramp
TS	Top of Step/Stair
TW	Top of Wall
TYP	Typical
VM	Verify Match

CAMERON
McCARTHY

Landscape Architecture & Planning
160 E Broadway, Eugene, OR 97401
133 SW 2nd Avenue, Ste. 410, Portland, OR 97204
541-485-7385
www.cameronmccarthy.com

BEARCAT SOFTBALL
FIELD IMPROVEMENTS

WILLAMETTE UNIVERSITY
605 14th Street SE, Salem, OR 97301

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FOR
INFORMATION
ONLY

Checked:	CG
Drawn By:	CG/CMR
Checked:	MK
Project #:	23.054
Date:	03.24.2025

Rev. #:	Date:

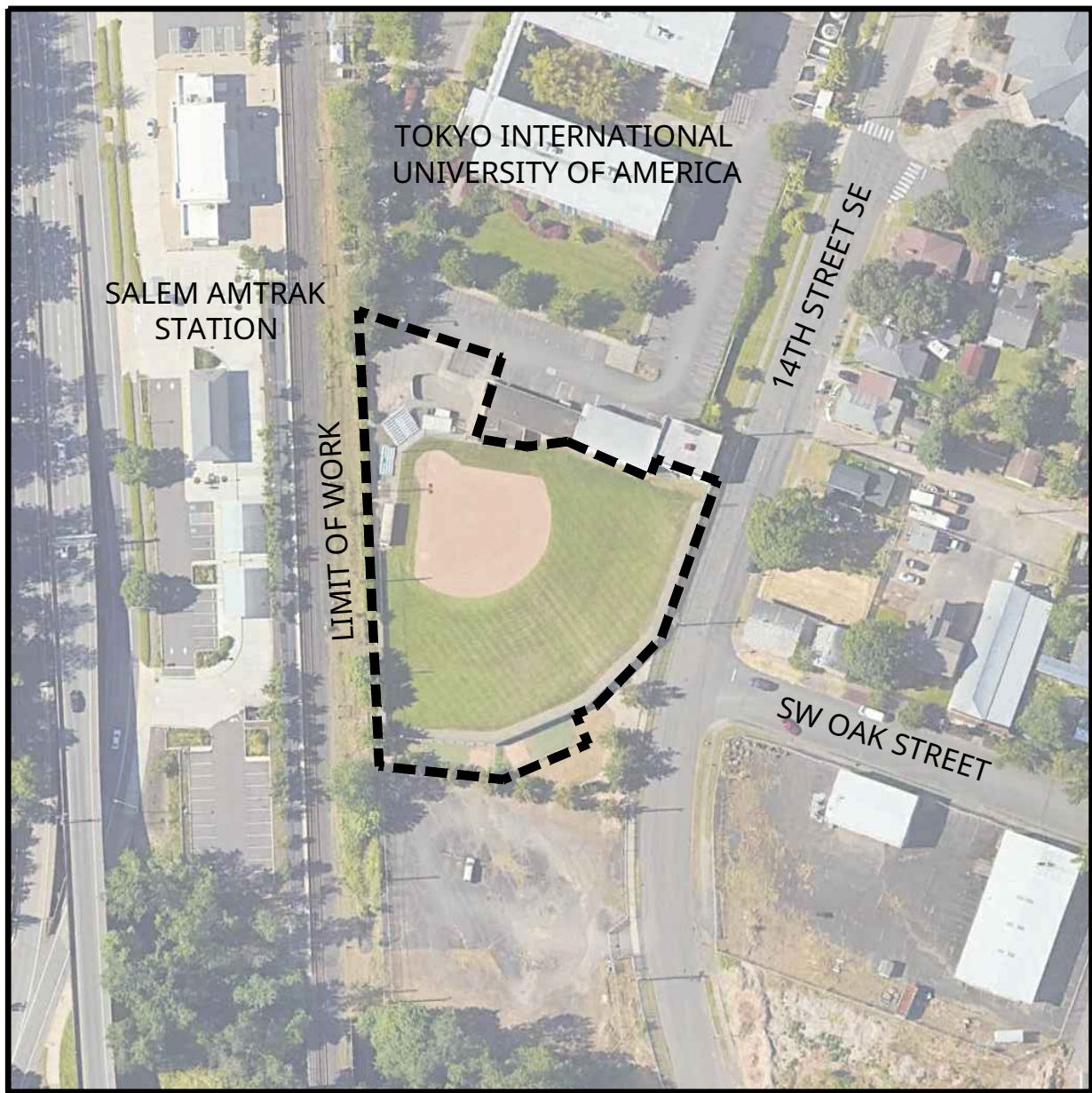
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CS.00



WILLAMETTE UNIVERSITY
605 14th Street SE, Salem, OR 97301

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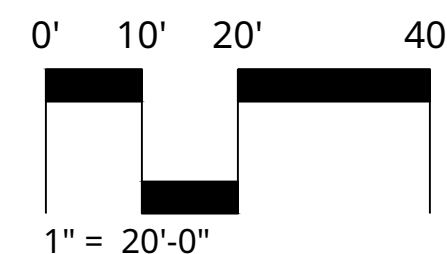
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ONLY

Rev. #: _____ Date: _____

SHEET TITLE

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V1.00



1. ALL SURVEY INFORMATION PROVIDED BY:
BARKER SURVEYING
2657 Kashmir Way SE
Salem, OR 97317

DEQ STANDARD EROSION AND SEDIMENT CONTROL PLAN (ESCP) NOTES

1. INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (e.g. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.c.ii)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200–C PERMIT REQUIREMENTS. (SECTION 6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ's 1200–C PERMIT REQUIREMENTS. (SECTION 6.5.q)
4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
5. THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONATIONS, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (e.g., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE–VEGETATE OPEN AREAS. RE–VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50–FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTION 2.1.3)
14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1 AND 2.2.16)
15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS 2.2.20 AND 2.2.21)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON–STORMWATER CONTROLS. (SECTION 2.3.7)
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (e.g., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (e.g., SECONDARY CONTAINMENT). (SECTION 2.3.7)
20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND DISTURBING ACTIVITIES. (SECTION 2.2.7)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER–TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.f)
22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, i.e., CONCRETE WASH–OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST–CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES, AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.a)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
30. USE WATER, SOIL–BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND–BLOWN SOIL. (SECTION 2.2.9)
31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME–RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO–COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OF OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPs MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.b)
36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.c)
37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.d)
38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE, AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN–STREAM CLEAN–UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.a)
39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.f)
41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

INSPECTION FREQUENCY	
SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- * ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200–C PERMIT REQUIREMENTS.
- * INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ 1200–C PERMIT REQUIREMENTS.
- * RETAIN A COPY OF THE ESC PLAN AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESC PLAN AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.
- * REVISIONS TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ OR AGENT IN ACCORDANCE WITH CURRENT 1200–C PERMIT.

THE PERMITTEE IS REQUIRED TO MEET ALL OF THE CONDITIONS OF THE 1200–C PERMIT. THIS ESC PLAN AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200–C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200–C PERMIT REQUIREMENTS SUPERCEDE THE REQUIREMENTS OF THIS PLAN.

SHEET INDEX

CE1.00	ESCP COVER SHEET
CE1.01	ESCP NOTES
CE1.02	ESCP – EXISTING CONDITIONS
CE1.03	ESCP – CLEARING AND GRADING
CE1.04	ESCP – UTILITIES
CE1.05	ESCP – VERTICAL CONSTRUCTION
CE1.06	ESCP – FINAL STABILIZATION
CE1.07	EROSION AND SEDIMENT CONTROL DETAILS

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

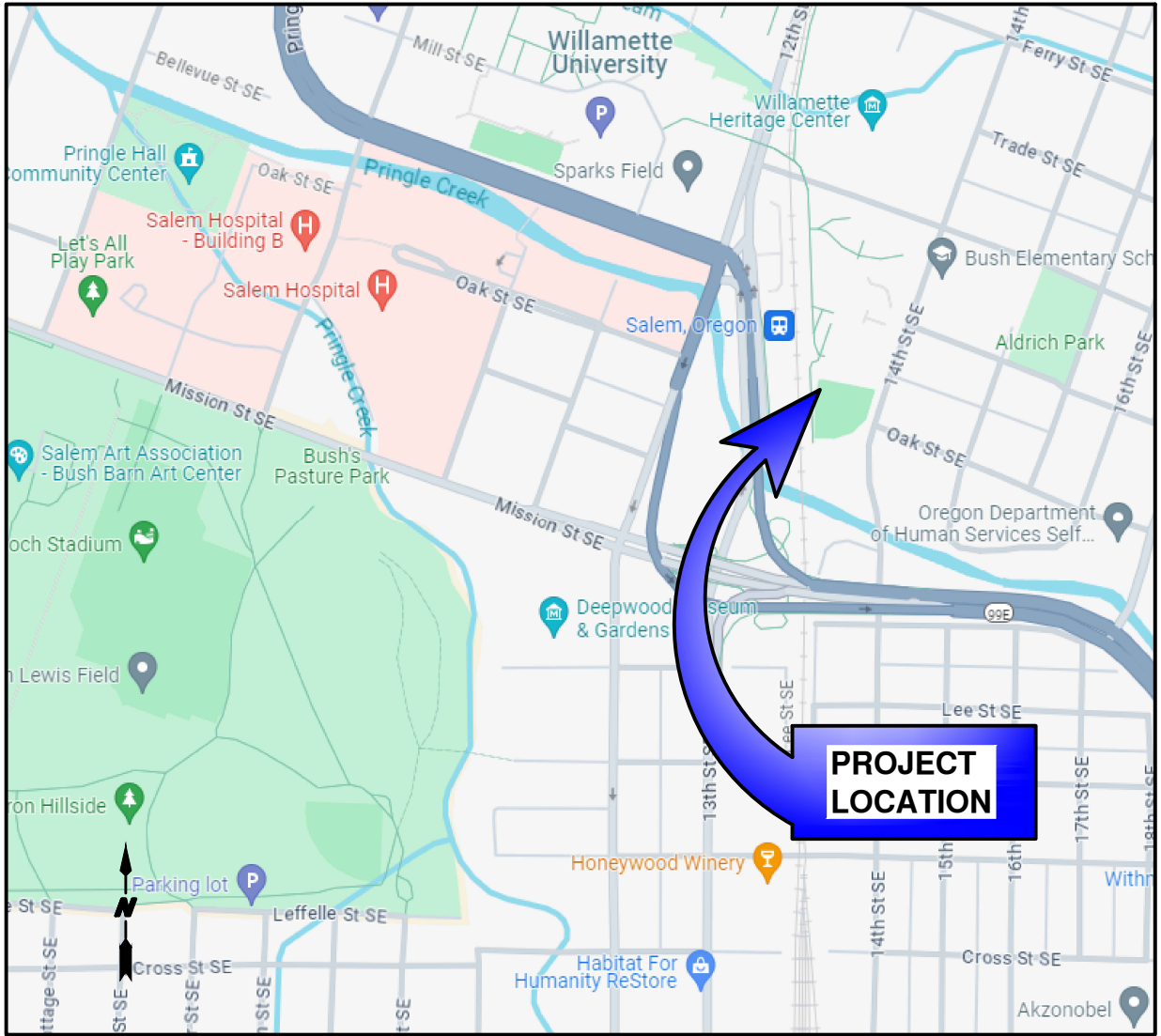
	CLEARING AND GRADING MAY-SEPTEMBER	UTILITY INSTALLATION JULY-SEPTEMBER	VERTICAL CONSTRUCTION SEPTEMBER - OCTOBER	FINAL STABILIZATION SEPTEMBER - DECEMBER
EROSION PREVENTION				
PRESERVE NATURAL VEGETATION	** X	X	X	X
GROUND COVER	X	X	X	X
HYDRAULIC APPLICATIONS				
PLASTIC SHEETING				
MATTING				
DUST CONTROL	X	X	X	X
TEMPORARY/ PERMANENT SEEDING				X
BUFFER ZONE				
OTHER:				
SEDIMENT CONTROL				
SEDIMENT FENCE (PERIMETER)	** X	X	X	X
SEDIMENT FENCE (INTERIOR)	X	X	X	X
STRAW WATTLES				
FILTER BERM	X	X	X	X
INLET PROTECTION	** X	X	X	X
DEWATERING				
SEDIMENT TRAP				
NATURAL BUFFER ENCROACHMENT				
OTHER:				
RUN OFF CONTROL				
CONSTRUCTION ENTRANCE	** X	X	X	X
PIPE SLOPE DRAIN				
OUTLET PROTECTION		X	X	X
SURFACE ROUGHENING				
CHECK DAMS				
OTHER:				
POLLUTION PREVENTION				
PROPER SIGNAGE	X	X	X	X
HAZ WASTE MGMT	X	X	X	X
SPILL KIT ON-SITE	X	X	X	X
CONCRETE WASHOUT AREA		X	X	X
OTHER:				

- * SIGNIFIES ADDITIONAL BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE.
- ** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ's GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP's WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

MDS
INITIAL



VICINITY MAP
NO SCALE

PROJECT LOCATION
605 14TH STREET SE, SALEM, OR
MARION COUNTY, OREGON
LATITUDE= 44.93153°, LONGITUDE= 123.02742°

PROPERTY/SITE DESCRIPTION

TAX LOTS 2300 & 2403
(MARION COUNTY TAX MAP 07–3W–26CB
LOCATED IN THE SW 1/4 OF SECTION 26,
TOWNSHIP 7 SOUTH, RANGE 3 WEST,
WILLAMETTE MERIDIAN, MARION COUNTY,
OREGON

TOTAL SITE AREA = 1.25 ACRES
TOTAL DISTURBED AREA = 1.00 ACRES

OWNER'S REPRESENTATIVE

OWNER: WILLAMETTE UNIVERSITY
CONTACT: MARK MAZURIER
900 STATE STREET
SALEM, OR 97301
PHONE: 503–370–6532

ENGINEERING FIRM

MAZZETTI
CONTACT: GEOFF LARSEN, PE
940 WILLAMETTE STREET, SUITE 310
EUGENE, OR 97401
PHONE: 541–335–8746

ESCP PREPARER

MAZZETTI
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EUGENE, OR 97401
PHONE: 541–335–8740

SURVEYOR

BARKER SURVEYING
CONTACT: BRAD HARRIS, PLS
3657 KASHMIR WAY, SE
SALEM, OR 97317
PHONE: 503–588–8800

GEOTECHNICAL ENGINEER

NV5
CONTACT: SCOTT MCDEVITT, PE, GE
9450 SW COMMERCE CIRCLE, SUITE 300
WILSONVILLE, OR 97070
PHONE: 503–968–8787

GENERAL CONTRACTOR

BENCHMARK CONTRACTING, INC.
CONTACT: KELLY FITZPATRICK
5809 JEAN ROAD
LAKE OSWEGO, OR 97035
PHONE: 503–780–9760

SITE CONTRACTOR/BMP INSTALLER
AND MAINTAINER

BENCHMARK CONTRACTING, INC.
CONTACT: KELLY FITZPATRICK
5809 JEAN ROAD
LAKE OSWEGO, OR 97035
PHONE: 503–780–9760

EROSION AND SEDIMENT CONTROL MANAGER:

NAME: KELLY FITZPATRICK
COMPANY/AGENCY: BENCHMARK CONTRACTING INC.
PHONE: (503) 780-9760
E-MAIL: KELLY@BENCHMARK-PDX.COM
DESCRIPTION OF EXPERIENCE: Certified Erosion and Sediment Control Lead
(CESCL) certification number ECO-3-11072212, expires 11/07/2025.

BEGINNING JANUARY 1, 2017 EROSION CONTROL INSPECTORS MUST HAVE CERTIFICATION THROUGH A PROGRAM APPROVED BY DEQ.

CONTRACTOR'S ESCM INFORMATION SHALL BE PROVIDED AT THE REQUIRED PRE–CONSTRUCTION MEETING / INSPECTION.

RAIN GAUGE:

NOAA – SALEM AIRPORT, 1921 TURNER ROAD SE, SALEM, OR
LAT. 44.907532
LONG. –123.001928

SITE INFORMATION:

1. TYPE OF DEVELOPMENT; SPORTS FIELD RENOVATION
2. CONSTRUCTION ACTIVITY WILL CONSIST OF:
A. SITE EXCAVATION AND GRADING
B. UTILITY CONSTRUCTION
C. VERTICAL CONSTRUCTION (FENCING, NETTING, AND FIELD LIGHTS)
D. PAVEMENT CONSTRUCTION, LANDSCAPING AND FINAL STABILIZATION
3. PROJECT TIMELINE:
E. START: MAY 2025
F. FINISH: DECEMBER 2025

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS
SITE CONSISTS OF 1.30 ACRES OF DEVELOPED PLAYING FIELDS ON THE WILLAMETTE UNIVERSITY CAMPUS.

DEVELOPED CONDITIONS

SITE CONSISTS OF 1.30 ACRES OF REDEVELOPED PLAYING FIELDS..

SITE SOIL CLASSIFICATION

(PER SOIL SURVEY OF MARION COUNTY AREA, OREGON)
Ck CLACKAMAS GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES – HYDROLOGIC SOIL GROUP B
Sa SALEM GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES – HYDROLOGIC SOIL GROUP C/D

RECEIVING WATER BODIES

WILLAMETTE RIVER VIA PRINGLE CREEK VIA PUBLIC STORM DRAIN SYSTEM.

CAMERON
McCARTHY

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MAZZETTI

940 Willamette Street, Suite 310
Eugene, OR 97401
TEL: 541.686.8478
www.mazzetti.com
Project Number: 023–000175

BEARCAT SOFTBALL
FIELD IMPROVEMENTS

WILLAMETTE UNIVERSITY
605 14th Street SE, Salem, OR 97301

STAMP

FOR
INFORMATION
ONLY

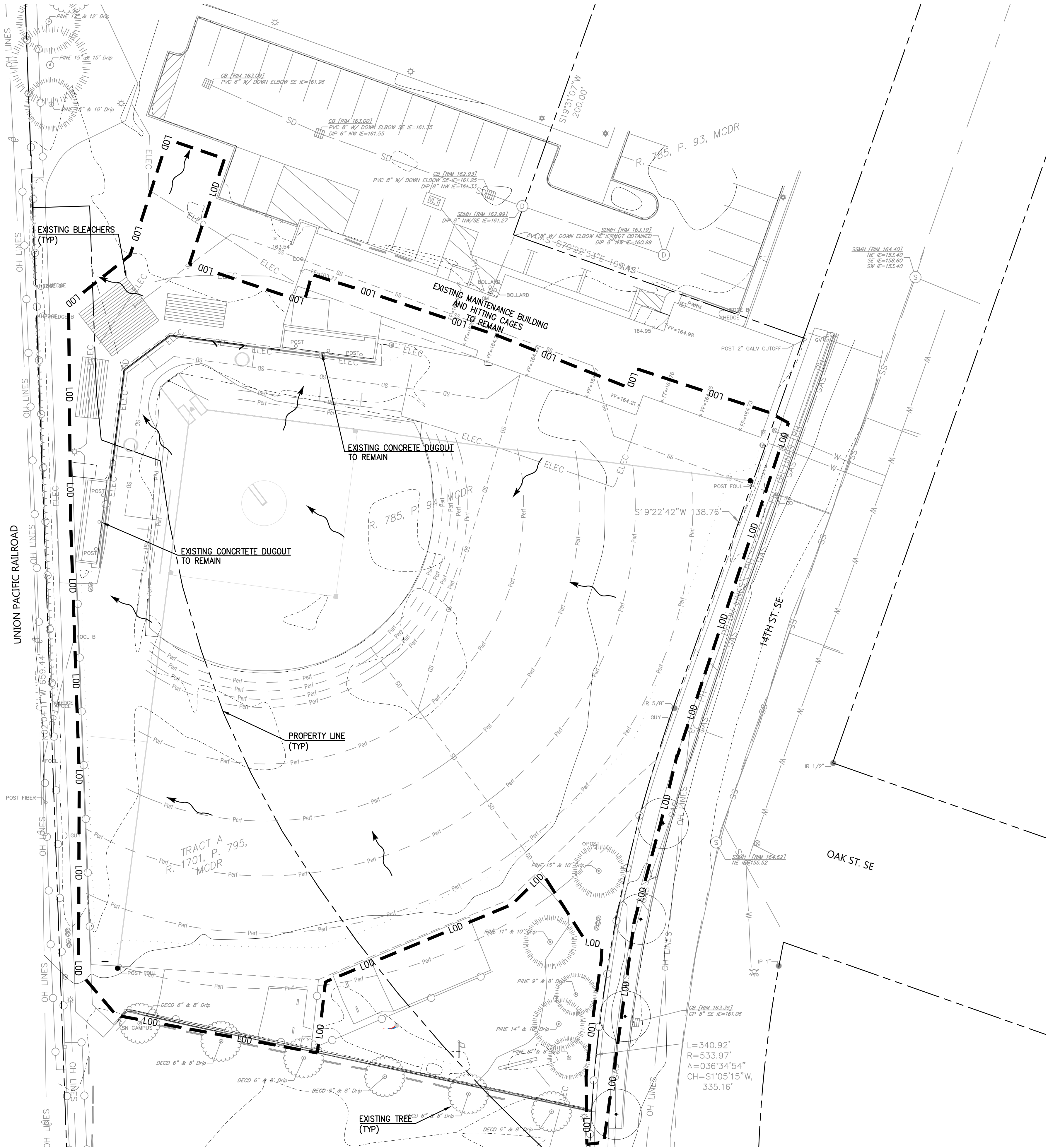
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Project #: 023-000175
Date: 03.24.2025
Rev. #: Date:

LAND USE

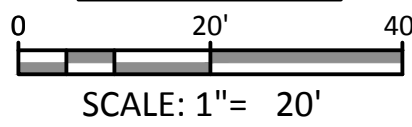
SHEET TITLE
ESCP
COVER SHEET

SHEET #

CE1.00



PLAN SCALE



SHEET NOTES

1. REFER TO SHEET CE1.01 FOR EROSION AND SEDIMENTATION CONTROL NOTES.
2. REFER TO SHEET CE1.07 FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
3. REFER TO SHEET C1.00 FOR PROPOSED UTILITIES.
4. REFER TO LANDSCAPE DRAWINGS FOR GRADING, PEDESTRIAN PAVEMENTS, FENCES/GATES, LIGHTING, AND AREAS NOT COVERED BY THESE DRAWINGS.

TOPOGRAPHIC SURVEY INFORMATION:

1. **EXISTING TOPOGRAPHIC INFORMATION:** FROM SURVEY PREPARED BY BAKER SURVEYING, TITLED "TOPOGRAPHIC SURVEY - 14TH STREET SOFTBALL FIELD". DATED 8/07/2023.
2. **BASIS OF ELEVATION:** BASED ON CITY OF SALEM BENCHMARK "DEAN" LOCATED AT BUSH BARN ENTRANCE EAST OF HIGH STREET. ELEVATION= 183.46' (NGVD '29)>

EROSION SEDIMENTATION CONTROL LEGEND

- | | |
|--|------------------------------------|
| | EXISTING CONTOUR ELEVATION - MAJOR |
| | EXISTING CONTOUR ELEVATION - MINOR |
| | PROPERTY LINE |
| | APPROXIMATE LIMITS OF CONSTRUCTION |
| | EXISTING DRAINAGE FLOW PATTERN |

BEARCAT SOFTBALL
FIELD IMPROVEMENTS

WILLAMETTE UNIVERSITY
605 14th Street SE, Salem, OR 97301

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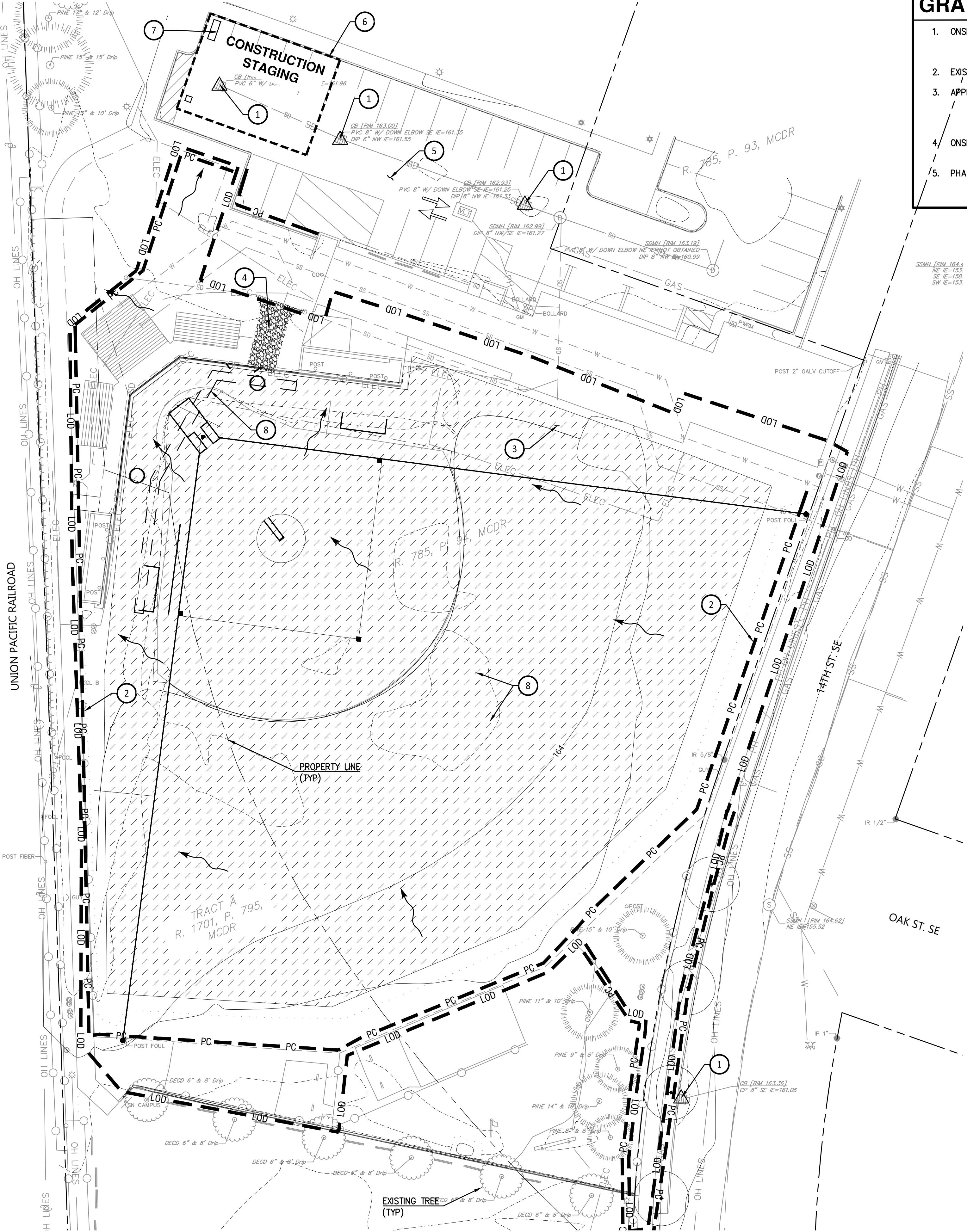
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LAND USE

SHEET TITLE
ESCP EXISTING
CONDITIONS

SHEET #

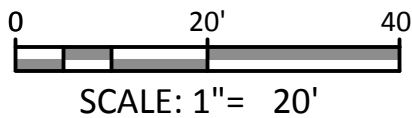
CE1.02



GRADING PHASE INFORMATION:

1. ONSITE SOIL TYPES (PER SOIL SURVEY OF MARION COUNTY AREA, OREGON):
CLACKAMAS GRAVELLY LOAM
SALEM GRAVELLY SILT LOAM
2. EXISTING VEGETATION CONSISTS OF GRASS, SHRUBS, AND TREES.
3. APPROXIMATE CUT AND FILL DATA:
CUT: 2,028 CY
FILL: 2,097 CY
NET ADJUSTED: 69 CY
4. ONSITE FILL MATERIALS:
NATIVE SOIL AND IMPORTED CRUSHED ROCK.
5. PHASE SCHEDULE:
START: MAY 2025
FINISH: SEPTEMBER 2025

PLAN SCALE



CONSTRUCTION NOTES

1. INSTALL INLET PROTECTION PER DETAIL 7/CE1.07.
2. INSTALL PERIMETER CONTROLS. PERIMETER CONTROL MEASURES MAY INCLUDE TEMPORARY SEDIMENT FENCING PER DETAIL 5/CE1.07, BIO BERMS PER DETAIL 3/CE1.07, FILTRATION BAGS AND SOCKS, FIBER ROLLS AND WATTLES, OR OTHER APPROVED MEASURES. USE OF PERIMETER CONTROL MEASURE SHALL COMPLY WITH THE DEQ EROSION AND SEDIMENT CONTROL MANUAL. USE BERMS OR COMPOST SOCKS WITHIN ROOT ZONES OF TREES.
3. CAP EXISTING FIELD DRAIN PIPE.
4. INSTALL CONSTRUCTION ENTRANCE PER DETAIL 1/CE1.07. AT FOR CONSTRUCTION ACCESS. REFER TO NOTES ON SHEET CE1.01. FOR ADDITIONAL PRECAUTIONS TO ENSURE SEDIMENT IS NOT TRACKED OFF SITE. CONSTRUCT WHEEL WASH PER DETAIL 4/CE1.07. IF CONSTRUCTION ENTRANCE DOES NOT ADEQUATELY REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES.
5. UTILIZE EXISTING PAVED ENTRANCE AS STABILIZED CONSTRUCTION ENTRANCE FOR CONSTRUCTION ACCESS.
6. CONTRACTOR MATERIAL AND EQUIPMENT STAGING, STORAGE, AND PORTA POTTY AREA.
7. DEBRIS AND GARBAGE STORAGE AREA (TO BE CONTAINED IN A COVERED GARBAGE DUMPSTER). REFER TO ESCP CONSTRUCTION NOTES, WASTE MANAGEMENT PROCEDURES, ON SHEET CE1.01. FOR ADDITIONAL REQUIREMENTS.
8. FILED UNDERDRAINAGE SYSTEM: PROTECT NEW FIELD AND UNDERDRAINAGE SYSTEM FROM SEDIMENTATION OR OTHER DAMAGE. INSTALL PERIMETER CONTROLS, AS NEEDED, TO PROTECT FIELD. ONCE INSTALLED NEW FIELD SECTION SHOULD NOT BE USED FOR CONSTRUCTION STAGING AREA. REFER TO TEMPORARY DRAINAGE NOTES. IF CONSTRUCTION STORMWATER IS INADVERTANTLY DISCHARGED TO INFILTRATION FACILITIES, NOTIFY ENGINEER, CLEAN SEDIMENTATION FROM THE INFILTRATION FACILITY, AND DISPOSE OF SEDIMENT OFFSITE.

GRADING PHASE NOTES:

1. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO SPILL PLAN.
2. STRAW MULCH AND/OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF ANY EXPOSED TRENCH SPOILS.

TEMPORARY DRAINAGE NOTES

1. TEMPORARY DRAINAGE TO UICS PROHIBITED: SOAKAGE TRENCH AT INFIELD PERIMETER IS CLASSIFIED AS AN UNDERGROUND INJECTION CONTROL SYSTEM (UIC). OREGON DEQ PROHIBITS TEMPORARY RUNOFF FROM CONSTRUCTION SITES FROM ENTERING UIC FACILITIES. TEMPORARY STORM DRAINAGE IS PROHIBITED FROM PROPOSED ONSITE STORM DRAIN SYSTEM DRAINING TO SOAKAGE TRENCH.
2. INLETS DRAINING TO ONSITE UICS MUST BE PLUGGED TO PREVENT RUNOFF FROM THE SOAKAGE TRENCH.
3. PROVIDE TEMPORARY SURFACE INFILTRATION SYSTEM OR TEMPORARY BYPASS SYSTEM TO DISCHARGE TO THE EXISTING PUBLIC DRAINAGE SYSTEM.
4. CONTRIBUTING AREAS MAY DRAIN TO UIC SYSTEMS AFTER FINAL STABILIZATION AND WHEN RUNOFF ENTERING SOAKAGE TRENCH IS FREE OF SEDIMENT.

EROSION SEDIMENTATION CONTROL LEGEND

	EXISTING CONTOUR ELEVATION - MAJOR
	EXISTING CONTOUR ELEVATION - MINOR
	NEW CONTOUR ELEVATION - MAJOR
	NEW CONTOUR ELEVATION - MINOR
	PROPERTY LINE
	PERIMETER CONTROL: CONTINUOUS BIO BERM, COMPOST SOCK, STRAW WATTLES, OR SEDIMENT FENCING
	CONSTRUCTION FENCING
	APPROXIMATE LIMITS OF CONSTRUCTION / MAJOR SOIL DISTURBANCE
	FIELD EXCAVATION LIMITS
	EXISTING TREE TO BE PROTECTED
	EXISTING DRAINAGE FLOW PATTERN
	EXISTING INLET TO BE PROTECTED
	STABILIZED CONSTRUCTION ENTRANCE
	CONSTRUCTION TRAFFIC ACCESS ROUTING

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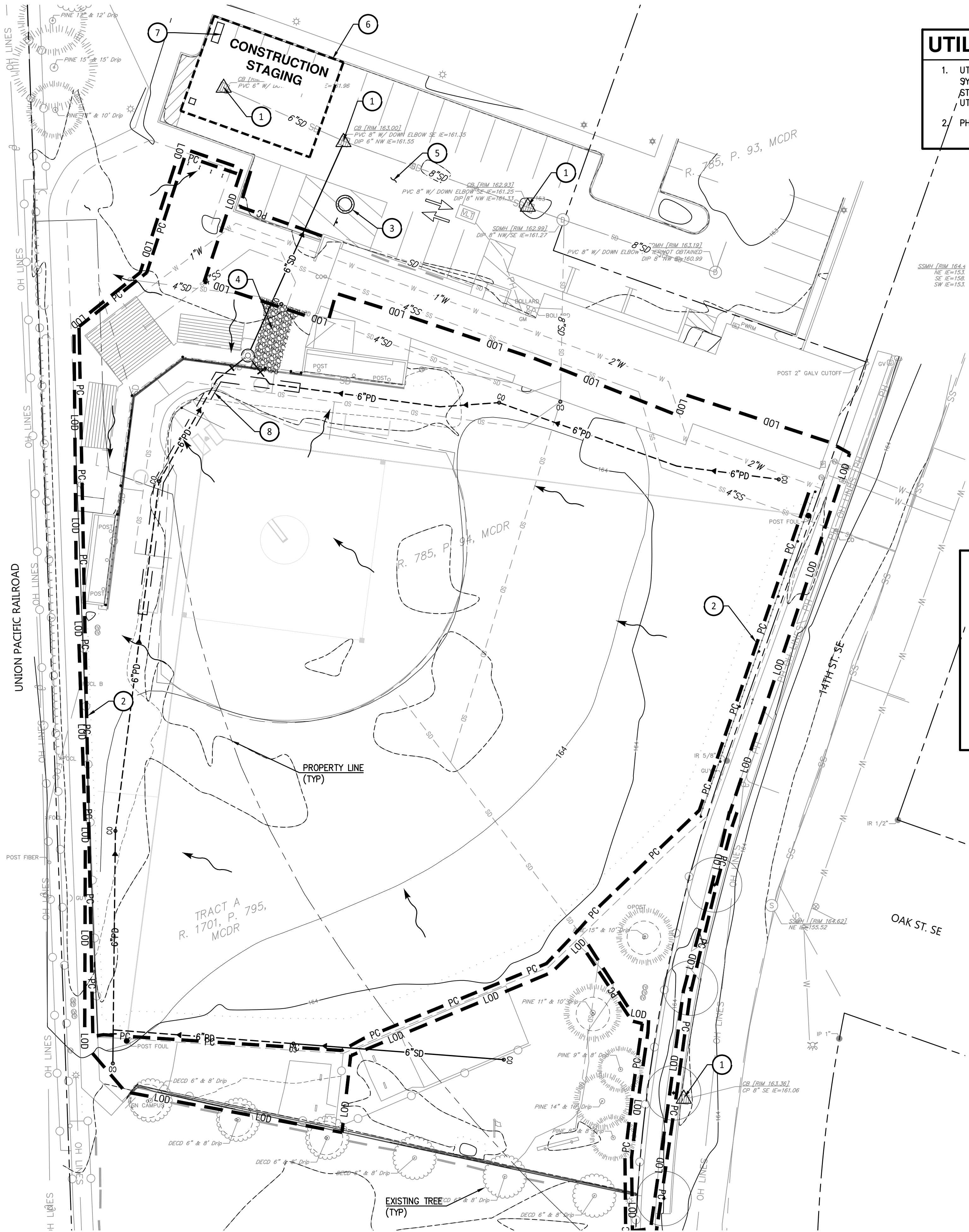
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LAND USE

SHEET TITLE
**ESCP
CLEARING AND
GRADING**

SHEET #

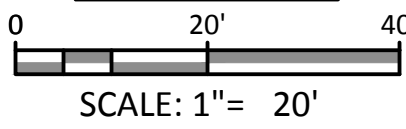
CE1.03



UTILITY PHASE INFORMATION:

- UTILITY PHASE WORK INCLUDES FIELD DRAINAGE SYSTEM, STORM DRAINAGE SYSTEM (INCLUDING STORMWATER TREATMENT FACILITY) AND ELECTRICAL UTILITY INSTALLATION.
- PHASE SCHEDULE:
START: JULY 2025
FINISH: SEPTEMBER 2025

PLAN SCALE



CONSTRUCTION NOTES

- MAINTAIN PREVIOUSLY INSTALLED INLET PROTECTION PER DETAIL 7/CE1.07.
- MAINTAIN PREVIOUSLY INSTALLED PERIMETER CONTROLS. PERIMETER CONTROL MEASURES MAY INCLUDE TEMPORARY SEDIMENT FENCING PER DETAIL 5/CE1.07, BIO BERMS PER DETAIL 3/CE1.07, FILTRATION BAGS AND SOCKS, FIBER ROLLS AND WATTLES, OR OTHER APPROVED MEASURES. USE OF PERIMETER CONTROL MEASURE SHALL COMPLY WITH THE DEQ EROSION AND SEDIMENT CONTROL MANUAL. USE BERMS OR COMPOST SOCKS WITHIN ROOT ZONES OF TREES.
- CONSTRUCT CONCRETE TRUCK WASH PER DETAIL 6/CE1.07. FINAL LOCATION OF CONCRETE TRUCK WASH TO BE ESTABLISHED BY GENERAL CONTRACTOR AND APPROVED BY OWNER. LOCATION SHALL BE OFF OF HARD SURFACE AND AT LEAST 20' AWAY FROM NEAREST STORM DRAIN INLET STRUCTURE.
- MAINTAIN PREVIOUSLY INSTALLED CONSTRUCTION ENTRANCE PER DETAIL 1/CE1.07, AT FOR CONSTRUCTION ACCESS. REFER TO NOTES ON SHEET CE1.01, FOR ADDITIONAL PRECAUTIONS TO ENSURE SEDIMENT IS NOT TRACKED OFF SITE. CONSTRUCT WHEEL WASH PER DETAIL 4/CE1.07, IF CONSTRUCTION ENTRANCE DOES NOT ADEQUATELY REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES.
- UTILIZE EXISTING PAVED ENTRANCE AS STABILIZED CONSTRUCTION ENTRANCE FOR CONSTRUCTION ACCESS.
- CONTRACTOR MATERIAL AND EQUIPMENT STAGING, STORAGE, AND PORTA POTTY AREA.
- DEBRIS AND GARBAGE STORAGE AREA (TO BE CONTAINED IN A COVERED GARBAGE DUMPSTER). REFER TO ESCP CONSTRUCTION NOTES, WASTE MANAGEMENT PROCEDURES, ON SHEET CE1.01, FOR ADDITIONAL REQUIREMENTS.
- FILED UNDERDRAINAGE SYSTEM:** PROTECT NEW FIELD AND UNDERDRAINAGE SYSTEM FROM SEDIMENTATION OR OTHER DAMAGE. INSTALL PERIMETER CONTROLS, AS NEEDED, TO PROTECT FIELD. ONCE INSTALLED NEW FIELD SECTION SHOULD NOT BE USED FOR CONSTRUCTION STAGING AREA. REFER TO TEMPORARY DRAINAGE NOTES. IF CONSTRUCTION STORMWATER IS INADVERTANTLY DISCHARGED TO INFILTRATION FACILITIES, NOTIFY ENGINEER, CLEAN SEDIMENTATION FROM THE INFILTRATION FACILITY, AND DISPOSE OF SEDIMENT OFFSITE.

UTILITY PHASE NOTES:

- IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO SPILL PLAN.
- STRAW MULCH AND/OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF ANY EXPOSED TRENCH SPOILS (INCLUDING STOCKPILE IF PLASTIC SHEETING DOESN'T WORK).

TEMPORARY DRAINAGE NOTES

- TEMPORARY DRAINAGE TO UICS PROHIBITED:** SOAKAGE TRENCH AT INFILTRATION PERIMETER IS CLASSIFIED AS AN UNDERGROUND INJECTION CONTROL SYSTEM (UIC). OREGON DEQ PROHIBITS TEMPORARY RUNOFF FROM CONSTRUCTION SITES FROM ENTERING UIC FACILITIES. TEMPORARY STORM DRAINAGE IS PROHIBITED FROM PROPOSED ONSITE STORM DRAIN SYSTEM DRAINING TO SOAKAGE TRENCH.
- INLETS DRAINING TO ONSITE UICS MUST BE PLUGGED TO PREVENT RUNOFF FROM THE SOAKAGE TRENCH.
- PROVIDE TEMPORARY SURFACE INFILTRATION SYSTEM OR TEMPORARY BYPASS SYSTEM TO DISCHARGE TO THE EXISTING PUBLIC DRAINAGE SYSTEM
- CONTRIBUTING AREAS MAY DRAIN TO UIC SYSTEMS AFTER FINAL STABILIZATION AND WHEN RUNOFF ENTERING SOAKAGE TRENCH IS FREE OF SEDIMENT.

EROSION SEDIMENTATION CONTROL LEGEND

	EXISTING CONTOUR ELEVATION - MAJOR
	EXISTING CONTOUR ELEVATION - MINOR
	NEW CONTOUR ELEVATION - MAJOR
	NEW CONTOUR ELEVATION - MINOR
	PROPERTY LINE
	PERIMETER CONTROL: CONTINUOUS BIO BERM, COMPOST SOCK, STRAW WATTLES, OR SEDIMENT FENCING
	CONSTRUCTION FENCING
	APPROXIMATE LIMITS OF CONSTRUCTION / MAJOR SOIL DISTURBANCE
	PROPOSED STORMWATER FACILITY- PROTECT FROM SEDIMENTATION
	EXISTING TREE TO BE PROTECTED
	EXISTING DRAINAGE FLOW PATTERN
	EXISTING INLET TO BE PROTECTED
	NEW INLET TO BE INSTALLED AND PROTECTED
	STABILIZED CONSTRUCTION ENTRANCE
	CONCRETE TRUCK WASH AREA WITH DESIGNATION SIGN
	CONSTRUCTION TRAFFIC ACCESS ROUTING

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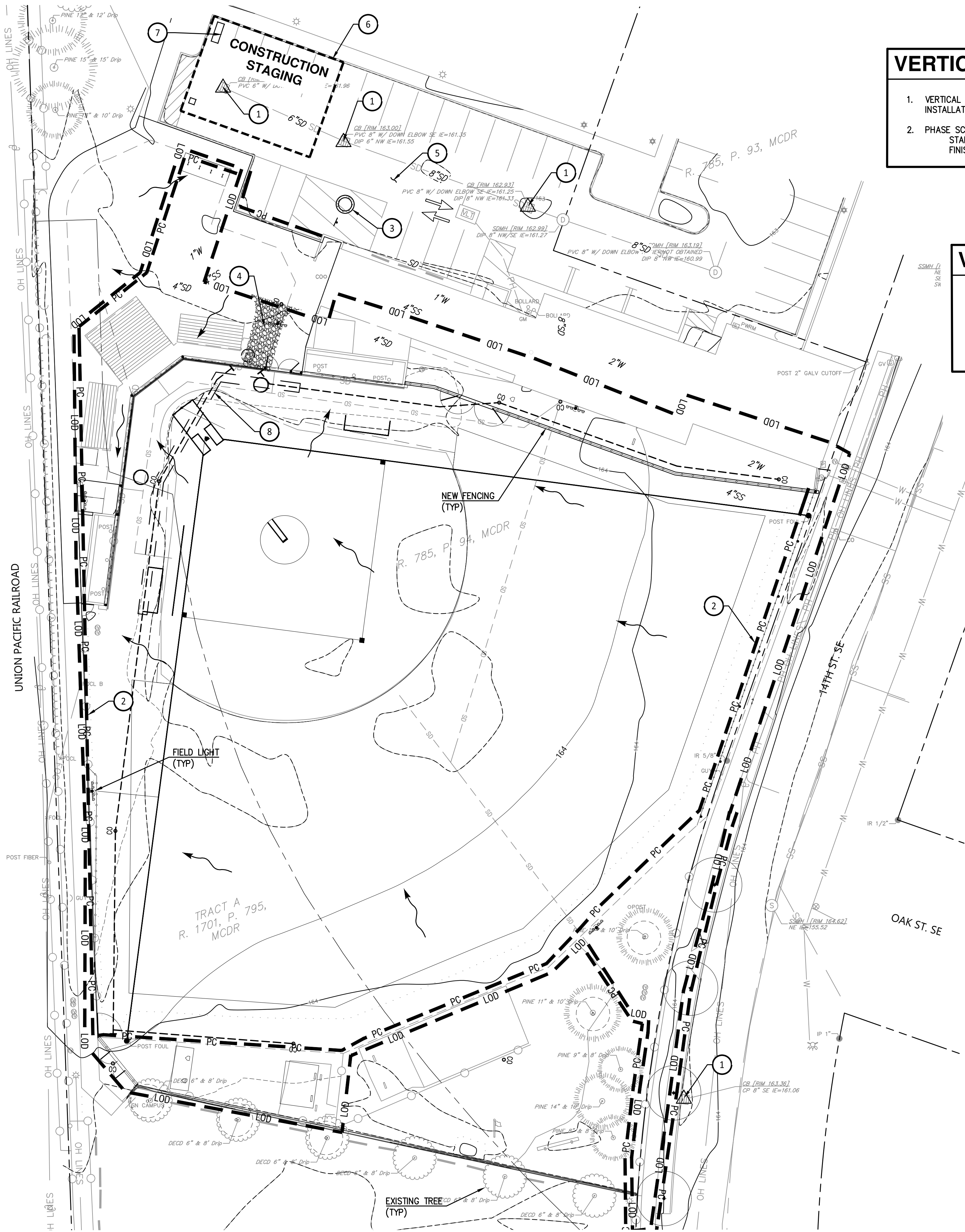
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LAND USE

SHEET TITLE
**ESCP
UTILITIES**

SHEET #

CE1.04



VERTICAL PHASE INFORMATION:

- 1. VERTICAL PHASE WORK INCLUDES FENCING, NETTING, AND LIGHTING INSTALLATION.
- 2. PHASE SCHEDULE:
START: SEPTEMBER 2025
FINISH: OCTOBER 2025

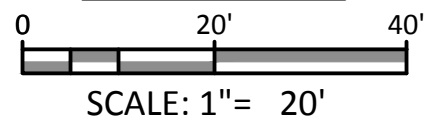
VERTICAL PHASE NOTES:

- 1. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO SPILL PLAN.
- 2. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED, NOT IN IMMEDIATE USE, SHALL BE STORED IN A MANNER TO PREVENT SPILLS AND EXPOSURE TO WEATHER.

TEMPORARY DRAINAGE NOTES

- 1. TEMPORARY DRAINAGE TO UICS PROHIBITED: SOAKAGE TRENCH AT INFIELD PERIMETER IS CLASSIFIED AS AN UNDERGROUND INJECTION CONTROL SYSTEM (UIC). OREGON DEQ PROHIBITS TEMPORARY RUNOFF FROM CONSTRUCTION SITES FROM ENTERING UIC FACILITIES. TEMPORARY STORM DRAINAGE IS PROHIBITED FROM PROPOSED ONSITE STORM DRAIN SYSTEM DRAINING TO SOAKAGE TRENCH.
- 2. INLETS DRAINING TO ONSITE UICS MUST BE PLUGGED TO PREVENT RUNOFF FROM THE SOAKAGE TRENCH.
- 3. PROVIDE TEMPORARY SURFACE INFILTRATION SYSTEM OR TEMPORARY BYPASS SYSTEM TO DISCHARGE TO THE EXISTING PUBLIC DRAINAGE SYSTEM.
- 4. CONTRIBUTING AREAS MAY DRAIN TO UIC SYSTEMS AFTER FINAL STABILIZATION AND WHEN RUNOFF ENTERING SOAKAGE TRENCH IS FREE OF SEDIMENT.

PLAN SCALE



CONSTRUCTION NOTES

- 1. MAINTAIN PREVIOUSLY INSTALLED INLET PROTECTION PER DETAIL 7/CE1.0Z.
- 2. MAINTAIN PREVIOUSLY INSTALLED PERIMETER CONTROLS. PERIMETER CONTROL MEASURES MAY INCLUDE TEMPORARY SEDIMENT FENCING PER DETAIL 5/CE1.0Z, BIO BERMS PER DETAIL 3/CE1.0Z, FILTRATION BAGS AND SOCKS, FIBER ROLLS AND WATTLES, OR OTHER APPROVED MEASURES. USE OF PERIMETER CONTROL MEASURE SHALL COMPLY WITH THE DEQ EROSION AND SEDIMENT CONTROL MANUAL. USE BERMS OR COMPOST SOCKS WITHIN ROOT ZONES OF TREES.
- 3. MAINTAIN PREVIOUSLY INSTALLED CONCRETE TRUCK WASH PER DETAIL 6/CE1.0Z. FINAL LOCATION OF CONCRETE TRUCK WASH TO BE ESTABLISHED BY GENERAL CONTRACTOR AND APPROVED BY OWNER. LOCATION SHALL BE OFF OF HARD SURFACE AND AT LEAST 20' AWAY FROM NEAREST STORM DRAIN INLET STRUCTURE.
- 4. MAINTAIN PREVIOUSLY INSTALLED CONSTRUCTION ENTRANCE PER DETAIL 1/CE1.0Z. AT FOR CONSTRUCTION ACCESS. REFER TO NOTES ON SHEET CE1.01. FOR ADDITIONAL PRECAUTIONS TO ENSURE SEDIMENT IS NOT TRACKED OFF SITE. CONSTRUCT WHEEL WASH PER DETAIL 4/CE1.0Z, IF CONSTRUCTION ENTRANCE DOES NOT ADEQUATELY REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES.
- 5. UTILIZE EXISTING PAVED ENTRANCE AS STABILIZED CONSTRUCTION ENTRANCE FOR CONSTRUCTION ACCESS.
- 6. CONTRACTOR MATERIAL AND EQUIPMENT STAGING, STORAGE, AND PORTA POTTY AREA.
- 7. DEBRIS AND GARBAGE STORAGE AREA (TO BE CONTAINED IN A COVERED GARBAGE DUMPSTER). REFER TO ESCP CONSTRUCTION NOTES, WASTE MANAGEMENT PROCEDURES, ON SHEET CE1.01, FOR ADDITIONAL REQUIREMENTS.
- 8. FILED UNDERDRAINAGE SYSTEM: PROTECT NEW FIELD AND UNDERDRAINAGE SYSTEM FROM SEDIMENTATION OR OTHER DAMAGE. INSTALL PERIMETER CONTROLS, AS NEEDED, TO PROTECT FIELD. ONCE INSTALLED NEW FIELD SECTION SHOULD NOT BE USED FOR CONSTRUCTION STAGING AREA. REFER TO TEMPORARY DRAINAGE NOTES. IF CONSTRUCTION STORMWATER IS INADVERTANTLY DISCHARGED TO INFILTRATION FACILITIES, NOTIFY ENGINEER, CLEAN SEDIMENTATION FROM THE INFILTRATION FACILITY, AND DISPOSE OF SEDIMENT OFFSITE.

SHEET NOTES

- A. REFER TO SHEET EC1.01 FOR EROSION AND SEDIMENTATION CONTROL NOTES.
- B. REFER TO SHEET EC1.0Z FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
- C. REFER TO SHEETS C3.0, C3.1, FOR SITE GRADING PLAN, LANDSCAPING PLANS, AND DETAILS.
- D. REFER TO SHEETS C1.00 FOR PROPOSED UTILITIES.
- E. REFER TO SHEETS L000 AND L001 FOR TREE PROTECTION REQUIREMENTS.
- F. PROVIDE PRE-CONSTRUCTION NOTIFICATION TO DEQ ONE WEEK PRIOR TO START OF CONSTRUCTION. SEE SHEET EC1.00 FOR ADDITIONAL INFORMATION.
- G. SWEEP/CLEAN PAVED SURFACES DAILY AT MINIMUM TO REDUCE SEDIMENT RUNOFF TO THE STORM SYSTEM AND REMOVE HAZARDS TO VEHICLES AND BICYCLISTS.
- H. STABILIZE ALL STORMWATER MANAGEMENT FACILITIES (ONSITE PLANTERS) PROMPTLY FOLLOWING EXCAVATION.
- I. IMPLEMENT DUST CONTROL MEASURES AT ALL TIMES PER THE REQUIREMENTS OF SHEET EC1.01.

EROSION SEDIMENTATION CONTROL LEGEND

- EXISTING CONTOUR ELEVATION - MAJOR
- EXISTING CONTOUR ELEVATION - MINOR
- NEW CONTOUR ELEVATION - MAJOR
- NEW CONTOUR ELEVATION - MINOR
- PROPERTY LINE
- PERIMETER CONTROL: CONTINUOUS BIO BERM, COMPOST SOCK, STRAW WATTLES, OR SEDIMENT FENCING
- CONSTRUCTION FENCING
- APPROXIMATE LIMITS OF CONSTRUCTION / MAJOR SOIL DISTURBANCE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE PROTECTED
- EXISTING DRAINAGE FLOW PATTERN
- EXISTING INLET TO BE PROTECTED
- NEW INLET TO BE INSTALLED AND PROTECTED
- STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE TRUCK WASH AREA WITH DESIGNATION SIGN
- CONSTRUCTION TRAFFIC ACCESS ROUTING

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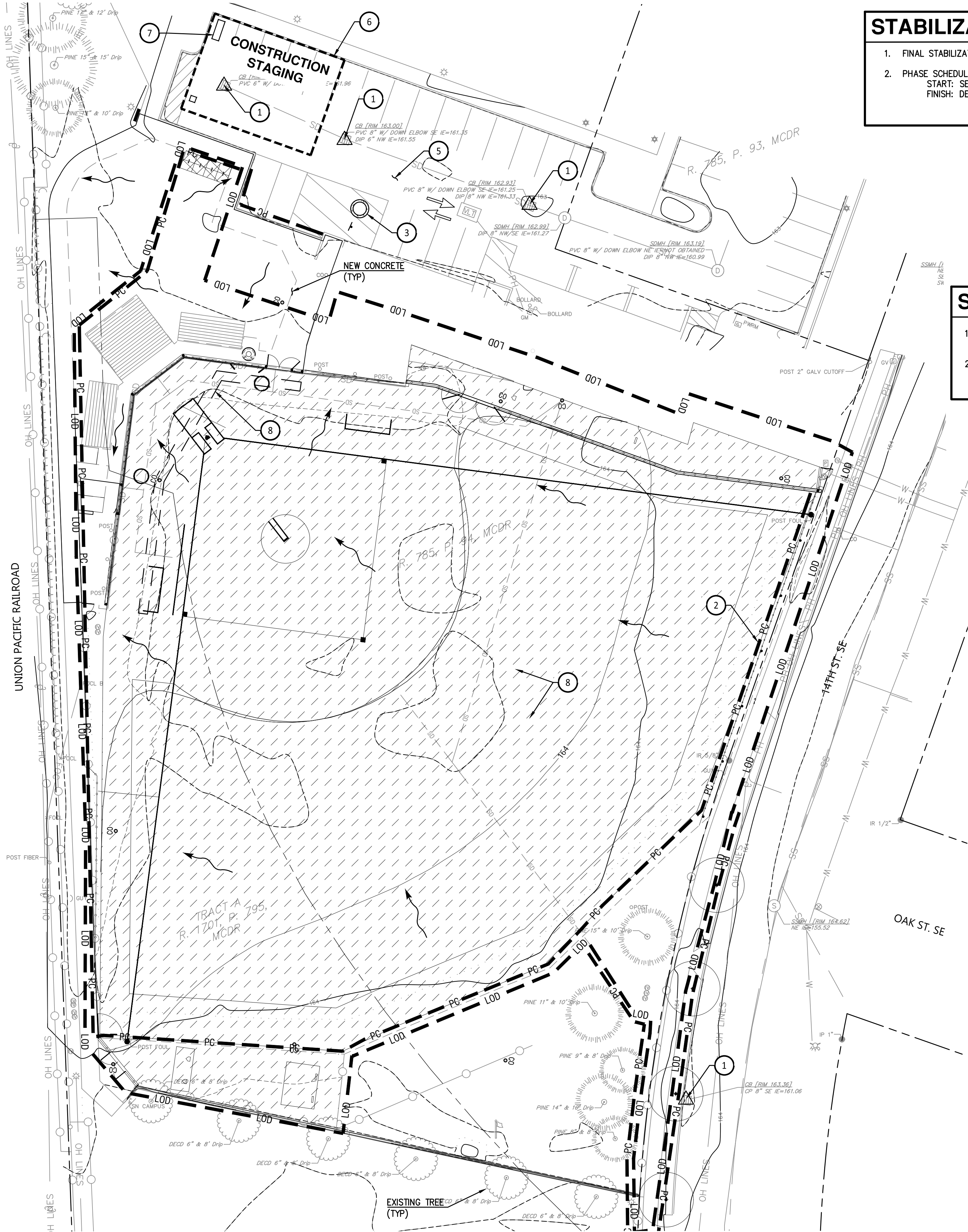
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LAND USE

SHEET TITLE
ESCP
VERTICAL
CONSTRUCTION

SHEET #

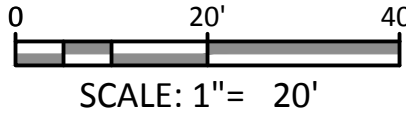
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STABILIZATION PHASE INFORMATION:

- FINAL STABILIZATION PHASE WORK INCLUDES CONCRETE PAVEMENTS AND LANDSCAPING.
- PHASE SCHEDULE:
START: SEPTEMBER 2025
FINISH: DECEMBER 2025

PLAN SCALE



CONSTRUCTION NOTES

- MAINTAIN PREVIOUSLY INSTALLED INLET PROTECTION PER DETAIL 7/CE1.07.
- MAINTAIN PREVIOUSLY INSTALLED PERIMETER CONTROLS. PERIMETER CONTROL MEASURES MAY INCLUDE TEMPORARY SEDIMENT FENCING PER DETAIL 5/CE1.07, BIO BERMS PER DETAIL 3/CE1.07, FILTRATION BAGS AND SOCKS, FIBER ROLLS AND WATTLES, OR OTHER APPROVED MEASURES. USE OF PERIMETER CONTROL MEASURE SHALL COMPLY WITH THE DEQ EROSION AND SEDIMENT CONTROL MANUAL. USE BERMS OR COMPOST SOCKS WITHIN ROOT ZONES OF TREES.
- MAINTAIN PREVIOUSLY INSTALLED CONCRETE TRUCK WASH PER DETAIL 6/CE1.07. FINAL LOCATION OF CONCRETE TRUCK WASH TO BE ESTABLISHED BY GENERAL CONTRACTOR AND APPROVED BY OWNER. LOCATION SHALL BE OFF OF HARD SURFACE AND AT LEAST 20' AWAY FROM NEAREST STORM DRAIN INLET STRUCTURE.
- NOT USED.
- UTILIZE EXISTING PAVED ENTRANCE AS STABILIZED CONSTRUCTION ENTRANCE FOR CONSTRUCTION ACCESS.
- CONTRACTOR MATERIAL AND EQUIPMENT STAGING, STORAGE, AND PORTA POTTY AREA.
- DEBRIS AND GARBAGE STORAGE AREA (TO BE CONTAINED IN A COVERED GARBAGE DUMPSTER). REFER TO ESCP CONSTRUCTION NOTES, WASTE MANAGEMENT PROCEDURES, ON SHEET CE1.01, FOR ADDITIONAL REQUIREMENTS.
- FILED UNDERDRAINAGE SYSTEM:** PROTECT NEW FIELD AND UNDERDRAINAGE SYSTEM FROM SEDIMENTATION OR OTHER DAMAGE. INSTALL PERIMETER CONTROLS, AS NEEDED, TO PROTECT FIELD. ONCE INSTALLED NEW FIELD SECTION SHOULD NOT BE USED FOR CONSTRUCTION STAGING AREA. REFER TO TEMPORARY DRAINAGE NOTES. IF CONSTRUCTION STORMWATER IS INADVERTANTLY DISCHARGED TO INFILTRATION FACILITIES, NOTIFY ENGINEER, CLEAN SEDIMENTATION FROM THE INFILTRATION FACILITY, AND DISPOSE OF SEDIMENT OFFSITE.

SHEET NOTES

- REFER TO SHEET EC1.01 FOR EROSION AND SEDIMENTATION CONTROL NOTES.
- REFER TO SHEET EC1.07 FOR EROSION AND SEDIMENTATION CONTROL DETAILS.
- REFER TO SHEETS C3.0, C3.1, FOR SITE GRADING PLAN, LANDSCAPING PLANS, AND DETAILS.
- REFER TO SHEETS C1.00 FOR PROPOSED UTILITIES.
- REFER TO SHEETS L000 AND L001 FOR TREE PROTECTION REQUIREMENTS.
- PROVIDE PRE-CONSTRUCTION NOTIFICATION TO DEQ ONE WEEK PRIOR TO START OF CONSTRUCTION. SEE SHEET EC1.00 FOR ADDITIONAL INFORMATION.
- SWEEP/CLEAN PAVED SURFACES DAILY AT MINIMUM TO REDUCE SEDIMENT RUNOFF TO THE STORM SYSTEM AND REMOVE HAZARDS TO VEHICLES AND BICYCLISTS.
- IMPLEMENT DUST CONTROL MEASURES AT ALL TIMES PER THE REQUIREMENTS OF SHEET EC1.01.

TEMPORARY DRAINAGE NOTES

- TEMPORARY DRAINAGE TO UICS PROHIBITED:** SOAKAGE TRENCH AT INFIELD PERIMETER IS CLASSIFIED AS AN UNDERGROUND INJECTION CONTROL SYSTEM (UIC). OREGON DEQ PROHIBITS TEMPORARY RUNOFF FROM CONSTRUCTION SITES FROM ENTERING UIC FACILITIES. TEMPORARY STORM DRAINAGE IS PROHIBITED FROM PROPOSED ONSITE STORM DRAIN SYSTEM DRAINING TO SOAKAGE TRENCH.
- INLETS DRAINING TO ONSITE UICS MUST BE PLUGGED TO PREVENT RUNOFF FROM THE SOAKAGE TRENCH.
- PROVIDE TEMPORARY SURFACE INFILTRATION SYSTEM OR TEMPORARY BYPASS SYSTEM TO DISCHARGE TO THE EXISTING PUBLIC DRAINAGE SYSTEM.
- CONTRIBUTING AREAS MAY DRAIN TO UIC SYSTEMS AFTER FINAL STABILIZATION AND WHEN RUNOFF ENTERING SOAKAGE TRENCH IS FREE OF SEDIMENT.

EROSION SEDIMENTATION CONTROL LEGEND

	470	EXISTING CONTOUR ELEVATION - MAJOR
	480	EXISTING CONTOUR ELEVATION - MINOR
		PROPERTY LINE
	PC	PERIMETER CONTROL: CONTINUOUS BIO BERM, COMPOST SOCK, STRAW WATTLES, OR SEDIMENT FENCING
		CONSTRUCTION FENCING
	LOD	APPROXIMATE LIMITS OF CONSTRUCTION / MAJOR SOIL DISTURBANCE
		EXISTING TREE TO BE PROTECTED
		EXISTING DRAINAGE FLOW PATTERN
		EXISTING INLET TO BE PROTECTED
		NEW INLET TO BE INSTALLED AND PROTECTED
		CONCRETE TRUCK WASH AREA WITH DESIGNATION SIGN
		CONSTRUCTION TRAFFIC ACCESS ROUTING
		CONCRETE PEDESTRIAN PAVEMENT
		SYNTHETIC FIELD TURF

**CAMERON
McCARTHY**

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133 SW 2nd Avenue, Ste. 410, Portland, OR 97204
541-485-7385
www.cameronmccarthy.com

MAZZETTI

940 Willamette Street, Suite 310
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TEL: 541.686.8478
www.mazzetti.com
Project Number: 023-000175

**BEARCAT SOFTBALL
FIELD IMPROVEMENTS**

WILLAMETTE UNIVERSITY
605 14th Street SE, Salem, OR 97301

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Project #: 023-000175
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LAND USE

SHEET TITLE
**ESCP
FINAL
STABILIZATION**

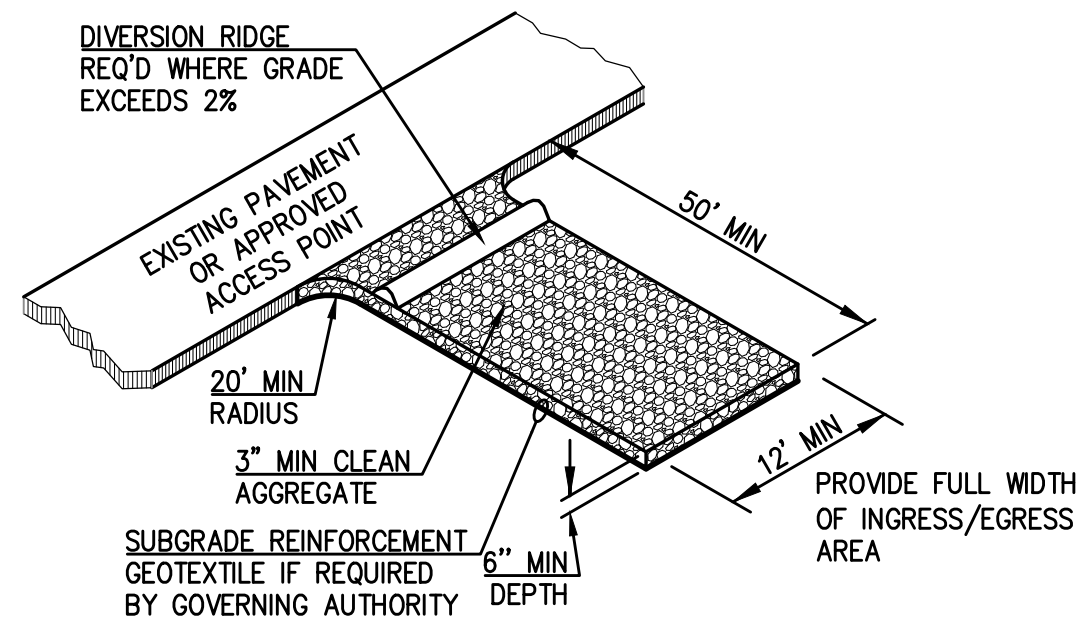
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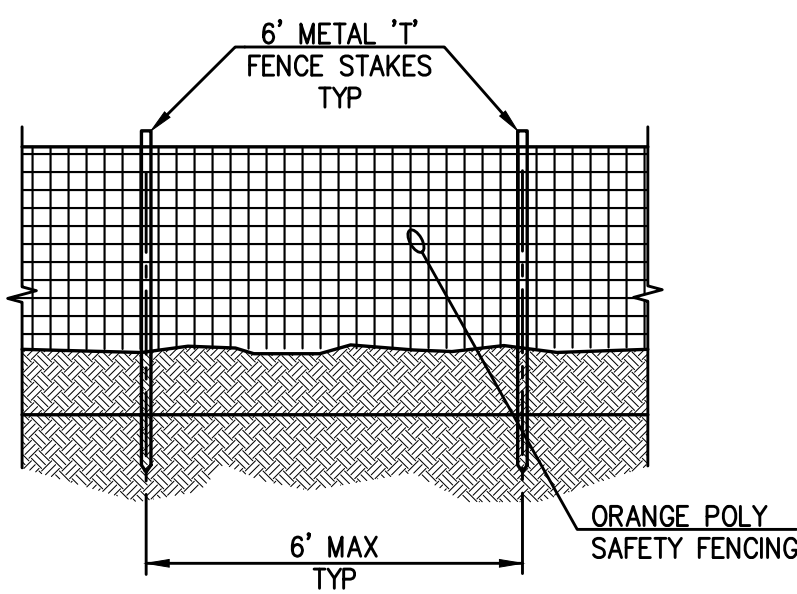
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STABILIZED CONSTRUCTION ENTRANCE

1

No Scale



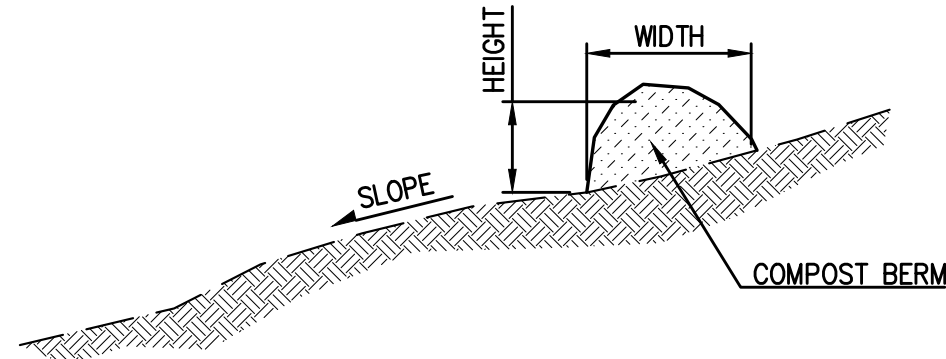
NOTES

1. MAX SLOPE (PERPENDICULAR TO FENCE) - 1H:1V
2. INSTALL 10' UPHILL OF BIO BERM.

PROTECTIVE FENCING

2

No Scale



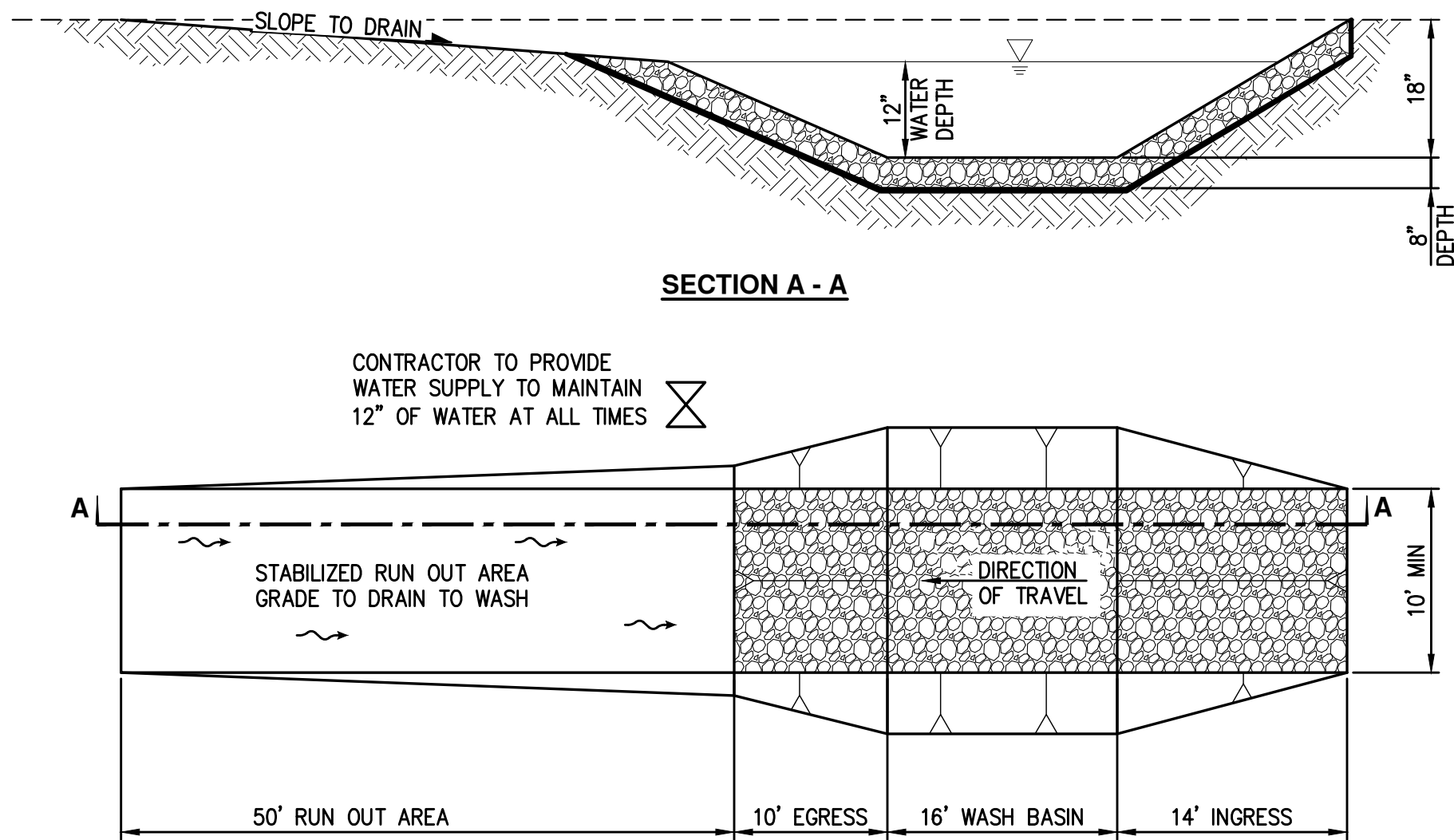
NOTES

1. BERM SIZE:
 - A. SLOPES LESS THAN 5% = 24"-36" WIDE BY 12"-18" HIGH
 - B. SLOPES GREATER THAN 5% = 36"-48" WIDE BY 18"-24" HIGH
2. COMPOST MULCH SHALL BE MEDIUM-GRADE, MIXED YARD DEBRIS.
3. USE ID COMPOST ONLY.

CONTINUOUS BIO BERM

3

No Scale



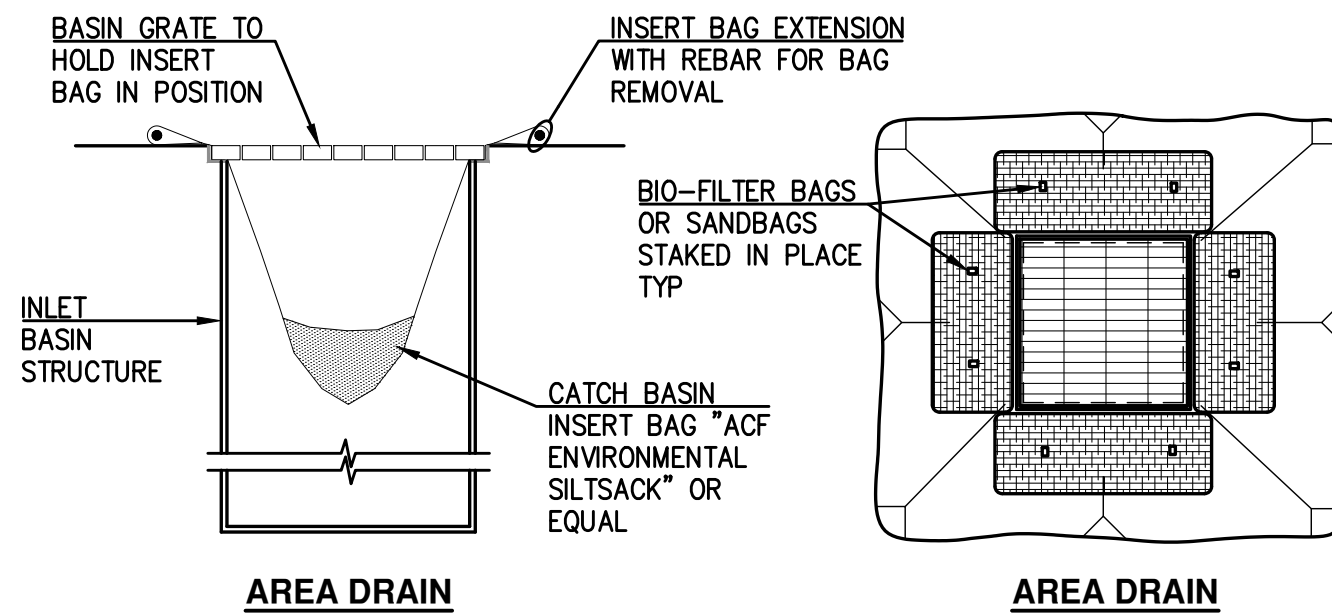
NOTES

1. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS IN TO AN APPROVED SEDIMENT TRAP OR BASIN.
2. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENT FROM BOTTOM OF BASIN AND TO ENSURE WASH WATER COLLECTION AND TREATMENT IS FUNCTIONING.

TRUCK WHEEL WASH

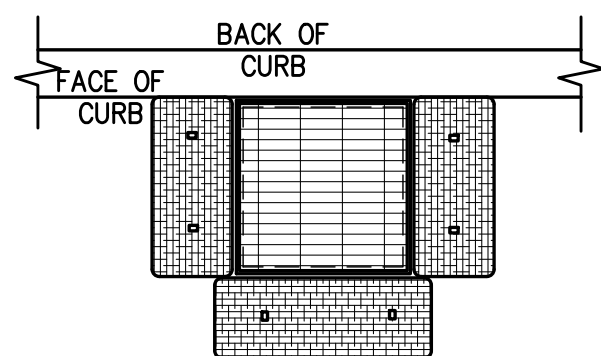
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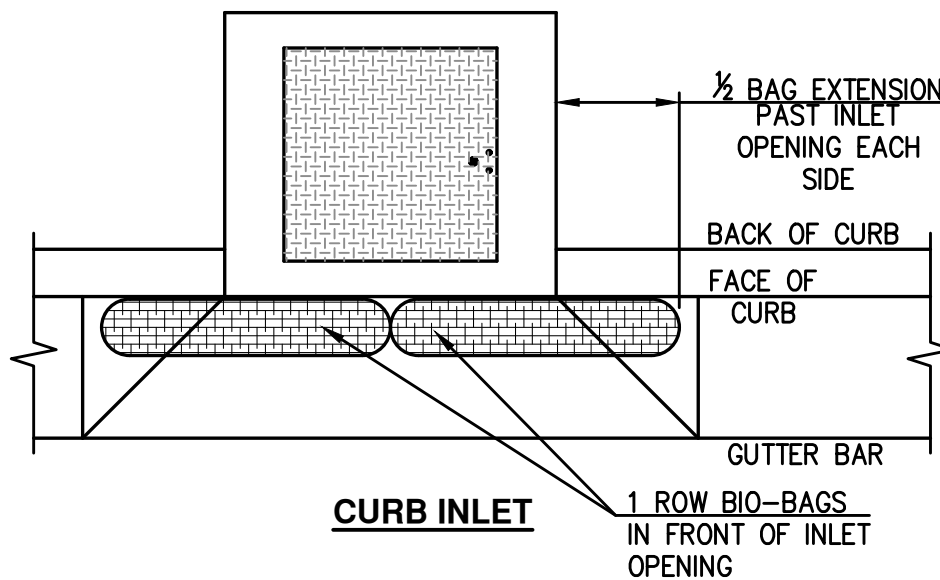


AREA DRAIN

AREA DRAIN



CURB CATCH BASIN



CURB INLET

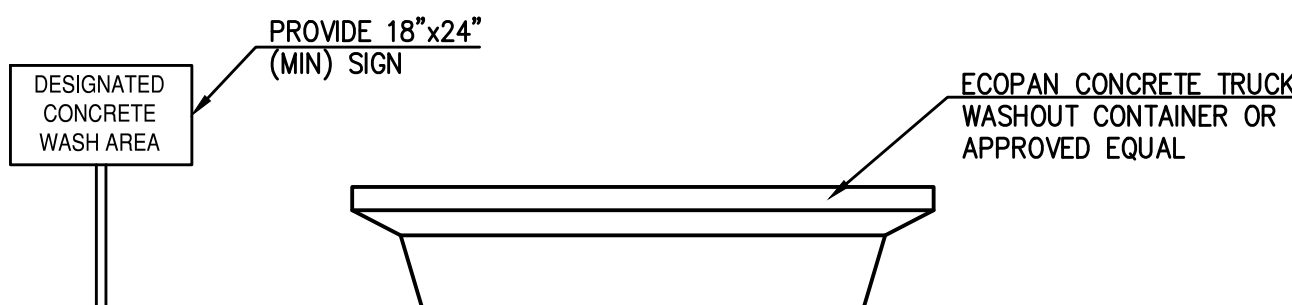
NOTES

1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

DRAINAGE INLET STRUCTURE PROTECTION

7

No Scale



6

CONCRETE TRUCK WASH AREA

NO SCALE

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BEARCAT SOFTBALL FIELD IMPROVEMENTS

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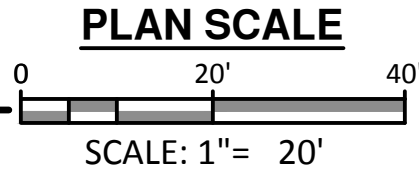
SHEET TITLE
EROSION AND SEDIMENT CONTROL DETAILS

SHEET #

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1 UTILITY DEMOLITION PLAN



SHEET NOTES

1. REFER TO SHEET C2.00 FOR LEGENDS AND GENERAL NOTES.
2. REFER TO LANDSCAPE DRAWINGS FOR PROPOSED IMPROVEMENTS AND LIMITS OF WORK.
3. REFER TO LANDSCAPE DRAWINGS FOR IRRIGATION DEMOLITION AND MODIFICATION.
4. REFER TO LANDSCAPE DRAWINGS FOR SURFACE FEATURE DEMOLITION AND SALVAGE.

GENERAL UTILITY DEMOLITION NOTES

- A. PROTECT EXISTING ELEMENTS TO REMAIN IN PLACE, EXCEPT WHERE OTHERWISE NOTED.
- B. UTILITIES OR STRUCTURES TO BE DEMOLISHED SHALL BE REMOVED IN ENTIRETY. BACKFILL VOID WITH COMPACTED CRUSHED ROCK, AS SPECIFIED.
- C. WHERE APPROVED, PIPES TO BE ABANDONED IN PLACE SHALL BE CAPPED AT BOTH ENDS INCLUDING ABANDONED PIPES INTERCEPTED BY SUBSEQUENT UTILITY CONSTRUCTION.
- D. PROVIDE AS-BUILT MAP OF EXISTING UTILITIES AND STRUCTURES ABANDONED IN PLACE WITH CDF FILL.
- E. PIPES NOT SHOWN ON THIS PLAN THAT ARE ENCOUNTERED DURING EXCAVATION OR TRENCHING MUST BE IDENTIFIED PRIOR TO REMOVAL OR ABANDONMENT. NOTIFY ENGINEER OF PIPES ENCOUNTERED THAT ARE NOT SHOWN ON THIS PLAN.
- F. REFER TO GRADING PLANS AND SITE PLANS TO DETERMINE REQUIRED SUBGRADE ELEVATIONS. REFER TO SECTION 31 20 00 FOR ADDITIONAL EXCAVATION REQUIREMENTS.

CONSTRUCTION NOTES

- C1. CONNECTION POINT. REFER TO C1.00 FOR CONTINUATION.
- D1A. EXISTING STORM DRAIN PIPE TO BE REMOVED.
D1B. EXISTING SUBDRAINAGE PIPE TO BE REMOVED.
D3. NOT USED.
D4. EXISTING TRENCH DRAIN TO BE REMOVED.
- E1. EXISTING STORM DRAIN TO REMAIN.
E2. NOT USED.
E3. EXISTING CATCH BASIN TO REMAIN.
E4. NOT USED.
E5. EXISTING PRIVATE SANITARY SEWER TO REMAIN.
- U1. CROSSING UNDER EXISTING COMMUNICATIONS AND POWER UTILITIES. MAINTAIN 12" MINIMUM CLEARANCE BETWEEN BOTTOM OF EXISTING UTILITIES AND NEW STORM DRAIN. LOCATION OF EXISTING UTILITIES UNKNOWN. COORDINATE WITH SERVING UTILITIES TO ESTABLISH LOCATIONS PRIOR TO CONSTRUCTION AND POTHOLES. POT HOLE AT CROSSING POINTS AND VERIFY CLEARANCE CAN BE ACHIEVED. PROVIDE TEMPORARY SUPPORT/SHORING TO PROTECT EXISTING UTILITIES AS NEEDED.
- P1. EXISTING UNDERGROUND POWER: RECONSTRUCT TO MAINTAIN MINIMUM COVER (MATCH EXISTING). CONDUIT MAY REMAIN IN PLACE IF MINIMUM COVER CAN BE MAINTAINED AND PROTECTED DURING CONSTRUCTION.
P2. EXISTING UNDERGROUND POWER TO REMAIN.
- X1. STORM DRAIN EXPLORATORY WORK: PROVIDE POTHOLES, PRIVATE LOCATES, AND TV-INSPECTION TO DETERMINE ROUTING FOR EXISTING STORM DRAINS. RECONNECT / REROUTE EXISTING PIPES PER C1.00. SUBMIT FINDINGS TO ENGINEER 2-WEEKS PRIOR TO CONSTRUCTION.

UTILITY DEMOLITION LEGEND

- | | |
|--|---------------------------------------|
| | EX UTILITY TO REMAIN |
| | EX UTILITY TO BE DEMOLISHED |
| | EX UTILITY STRUCTURE TO BE DEMOLISHED |

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FIELD IMPROVEMENTS

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UTILITY
DEMOLITION
PLAN

SHEET #

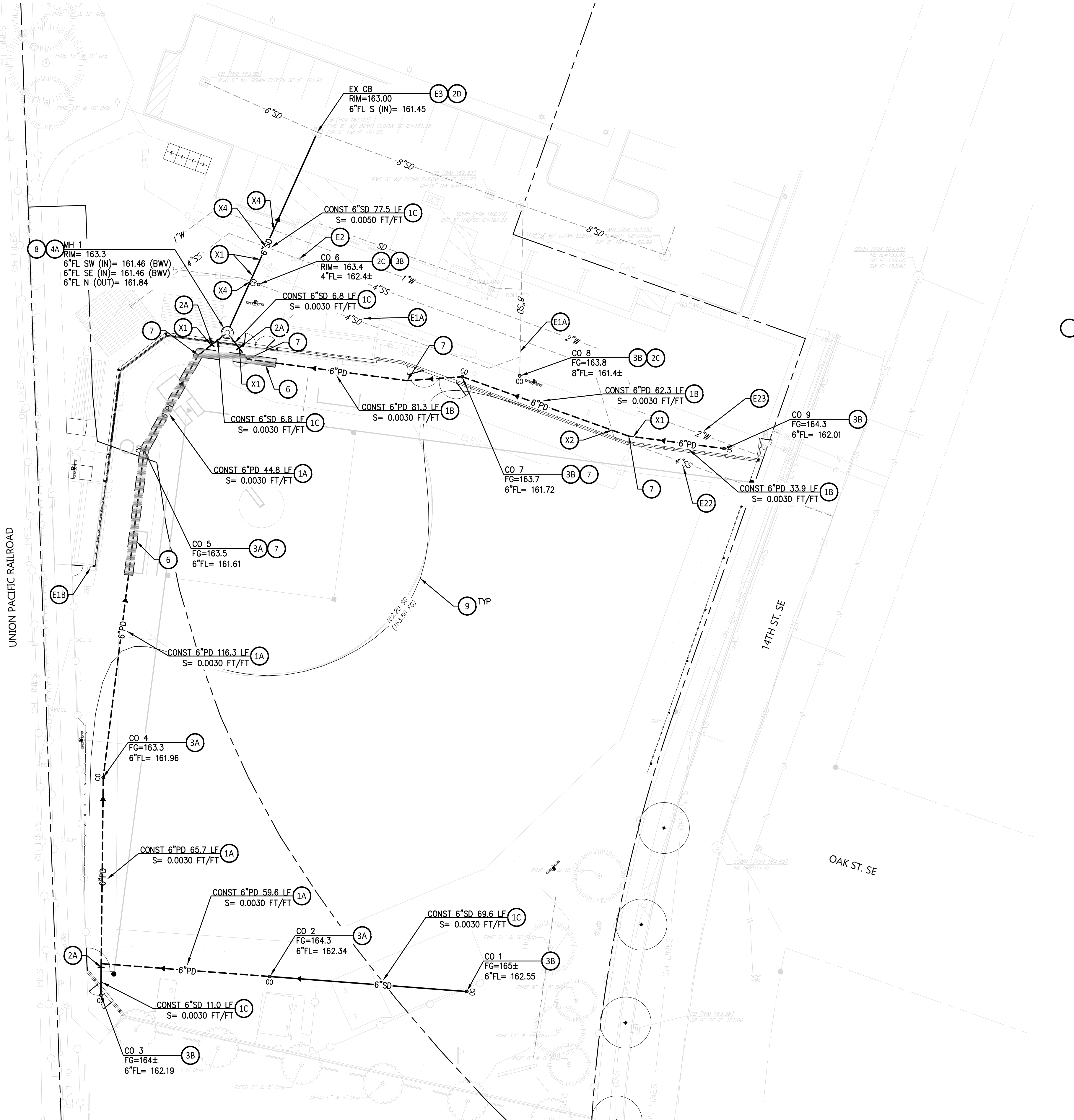
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1

UTILITY PLAN



SHEET NOTES

1. REFER TO TOPOGRAPHICAL SURVEY SHEETS FOR EXISTING SITE CONDITIONS.
2. REFER TO SHEET C1.00 AND C1.01 FOR EROSION AND SEDIMENTATION CONTROL NOTES.
3. REFER TO SHEET C1.07 FOR EROSION AND SEDIMENTATION CONTROL DETAILS
4. REFER TO SHEET L1.01 FOR SITE DEMOLITION.
5. REFER TO SHEET C0.01 FOR DEMOLITION OF EXISTING UTILITIES.
6. REFER TO SHEET L1.00 FOR TREE REMOVAL AND PROTECTION.
7. REFER TO SHEET C2.00 FOR LEGENDS AND GENERAL NOTES.
8. CONSTRUCT TRENCHING AND BACKFILL PER DETAIL A/C2.00 IN AREAS OUTSIDE OF SYNTHETIC TURF FIELD FOOTPRINT.
9. CONSTRUCT LATERAL CONNECTIONS PER DETAIL 3/C2.00.
10. BACKFILL USING CDF WHERE COMPACTION OF CRUSHED ROCK BACKFILL CANNOT BE ACHIEVED.
11. ALIGN UTILITY STRUCTURES WITH ADJOINING CONCRETE WORK. COORDINATE BETWEEN TRADES TO ENSURE CONSISTENT HORIZONTAL CONTROL IS USED.

SURVEY / UTILITY NOTES

1. SURVEY DATA IS BASED ON COMPILATION OF RECORD INFORMATION AND IS INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
2. LOCATIONS OF EXISTING UTILITIES ARE NOT KNOWN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING UTILITY LOCATES (PRIVATE AND PUBLIC) AND COORDINATING WITH SERVING UTILITIES TO ESTABLISH LOCATIONS AND CONFIRM NECESSARY CLEARANCES.

CONSTRUCTION NOTES

- 1A. CONSTRUCT FIELD DRAINAGE HEADER PIPE PER LANDSCAPE DETAILS AND DETAIL 4/C2.00.
- 1B. CONSTRUCT PERFORATED PIPE.
- 1C. CONSTRUCT SOLID WALL STORM DRAIN PIPE PER SECTION A/C2.00.
- 2A. CONNECT SOLID WALL PIPE TO PERFORATED PIPE
- 2B. CONNECT TO EXISTING PIPE.
- 2C. CONNECT TO EXISTING PIPE. PERFORM EXPLORATORY WORK PER C0.01 AND POTHOLE AT CONNECTION POINT TO VERIFY LOCATION AND ELEVATION.
- 2D. CONNECT TO EXISTING CATCHBASIN. CORE DRILL CB WALL AND GROUT PIPE WATERTIGHT.
- 3A. CONSTRUCT CLEANOUT WITHIN SYNTHETIC TURF PER DETAILS 1/C2.01 AND 2/C2.01.
- 3B. CONSTRUCT CLEANOUT OUTSIDE OF SYNTHETIC TURF PER DETAIL 1/C2.01.
- 4A. CONSTRUCT MANHOLE WITH 2' SUMP PER DETAIL RD335, RD336, RD345, AND RD356/C2.02.
5. NOT USED.
6. CONSTRUCT INFILTRATION TRENCH PER DETAIL 3/C2.01.
7. INSTALL BEND FITTINGS (11.25' MAX) AND DEFLECT PIPE PER MANUFACTURER RECOMMENDATIONS TO FOLLOW CURVED ALIGNMENT SHOWN.
8. INSTALL BACKWATER VALVE ON INDICATED PIPE PER DETAIL 2/C2.00.
9. CONSTRUCT ROCK CHECK DAM PER DETAIL 1/C2.00.
- E1A. EXISTING STORM DRAIN TO REMAIN.
- E1B. EXISTING DOWNSPOUT AND SPLASH BLOCK TO REMAIN.
- E2. EXISTING SS CLEANOUT TO REMAIN.
- E3. EXISTING CATCH BASIN TO REMAIN
- E22. EXISTING PRIVATE SANITARY SEWER TO REMAIN.
- E23. EXISTING PRIVATE WATER LINE TO REMAIN.
- X. UTILITY CROSSINGS:
ELEVATION OF EXISTING UTILITIES IS UNKNOWN. POTHOLE IN ADVANCE OF CONSTRUCTION TO DETERMINE ELEVATION AND PROVIDE FINDINGS TO ENGINEER AND NOTIFY ENGINEER IF MINIMUM CLEARANCE CANNOT BE MAINTAINED. FOR CROSSINGS WITH NEW UTILITIES, COORDINATE WORK AND SCHEDULE BETWEEN TRADES TO ENSURE VERTICAL CLEARANCE / OFFSETS ARE PROVIDED. PROVIDE CDF BACKFILL WHERE ADEQUATE COMPACTION CANNOT BE ACHIEVED.
1. UTILITY CROSSING - STORM AND EXISTING POWER / COMMUNICATIONS:
POTHOLE. MAINTAIN 6" MINIMUM CLEARANCE.
2. UTILITY CROSSING - STORM AND EXISTING SANITARY SEWER:
POTHOLE. MAINTAIN 6" MINIMUM CLEARANCE.
3. UTILITY CROSSING - STORM AND NEW POWER:
ELEVATION OF STORM IS FIXED. ADJUST ELEVATION OF POWER TO MAINTAIN 6" MINIMUM CLEARANCE AND MAINTAIN COVER OVER POWER.
4. UTILITY CROSSING - STORM AND INACTIVE UTILITIES:
EXISTING UTILITES ARE SHOWN ON AS-BUILT DRAWINGS AS "FUTURE" UTILITIES AND ARE ASSUMED TO BE INACTIVE. IF GRADE CONFLICTS WITH NEW STORM, CONFIRM THAT UTILITY IS INACTIVE AND CUT AND CAP PIPE AT CROSSING.
- L1A. FLAT SUBDRAINAGE PIPE PER LANDSCAPE DRAWINGS.
- L1B. DISCHARGE FLAT FIELD SUBDRAINAGE PIPE TO FIELD DRAINAGE HEADER PIPE PER LANDSCAPE DETAILS.
- L2. REFER TO LANDSCAPE DRAWINGS FOR TREE PROTECTION.
- P1. RECONSTRUCT TO MAINTAIN MINIMUM COVER (MATCH EXISTING). CONDUIT MAY REMAIN IN PLACE IF MINIMUM COVER CAN BE MAINTAINED AND PROTECTED DURING CONSTRUCTION

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SHEET TITLE
UTILITY PLAN

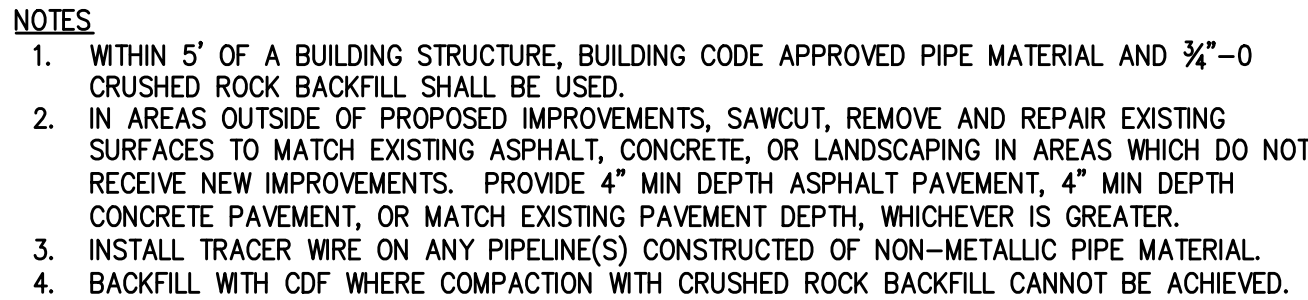
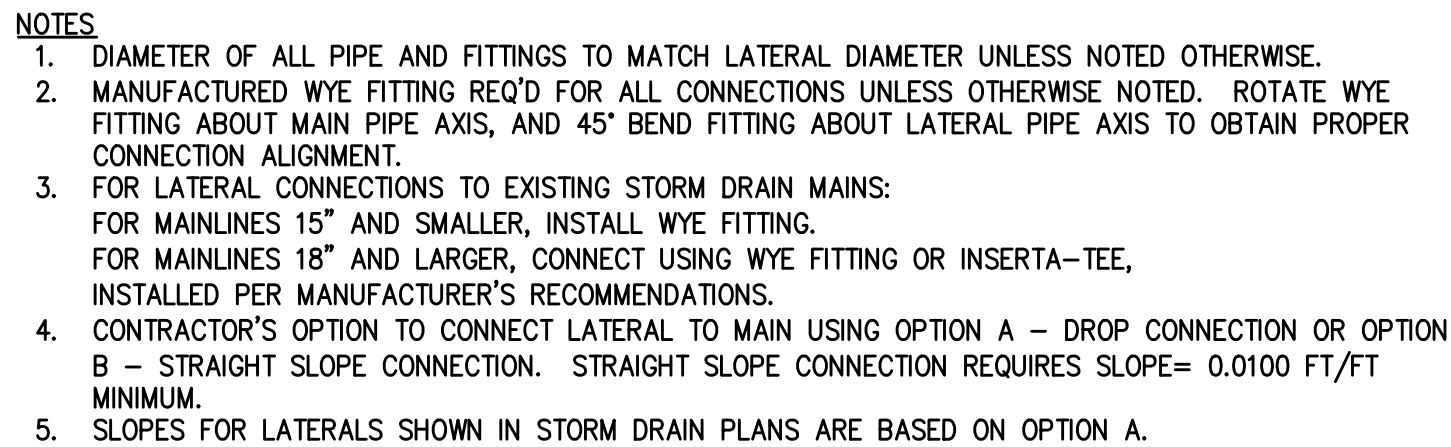
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1. THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING CONSTRUCTION OF THE PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY ORS 209.150.
2. LOCATIONS OF EXISTING UTILITIES ARE ASSUMED FROM INFORMATION AVAILABLE AND ARE NOT GUARANTEED TO BE COMPLETE AND ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, POTHOLE AND VERIFY LOCATION AND ELEVATION OF EXISTING STORM, SANITARY, AND WATER UTILITIES AT CONNECTION POINT(S) SHOWN ON PLANS, AND OF OTHER UTILITIES AT CROSSINGS WITH NEW UTILITIES. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
4. CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY PRIOR TO EXCAVATING, BORING, OR POTHOLING. ATTENTION: OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN O.A.R. 952-001-0010 - 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 1-800-332-2344)
5. CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS AND COMPLY WITH REQUIREMENTS AND SPECIFICATIONS OF ANY RESPECTIVE UTILITY COMPANY FOR UTILITIES TO BE CUT, MOVED, RELOCATED, OR RE-CONNECTED TO AN EXISTING FACILITY.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ANY SERVING UTILITY COMPANY INSTALLING UTILITIES ON SITE. CONSTRUCTION OF OTHER UTILITIES MAY OCCUR AT SAME TIME ON SITE.
7. QUANTITIES SHOWN ARE FOR THE PURPOSE OF IDENTIFYING LENGTHS. ACTUAL QUANTITIES MAY VARY. CONTRACTOR TO PROVIDE QUANTITIES NEEDED FOR LAYOUT OF SYSTEM.
8. CONTRACTOR SHALL PROVIDE AND INSTALL FITTINGS AS REQUIRED TO COMPLETE PIPE CONNECTIONS AND TRANSITIONS PER PLAN, AND TO CONFORM TO TRENCHING REQUIREMENTS AND SITE GRADES.
9. MANHOLE AND CLEANOUT RIM ELEVATIONS ARE APPROXIMATE. FINAL ELEVATIONS MAY VARY AND SHALL MATCH FINISHED ELEVATIONS OF ADJACENT SURFACES.
10. TRACER WIRE SHALL ENTER ALL MANHOLE, CATCH BASIN, INLET, CLEANOUT, AND VALVE BOX STRUCTURES. EXTEND TRACER WIRE INTO STRUCTURE FAR ENOUGH TO PROVIDE ADEQUATE FREE WIRE TO EXTEND END OF WIRE 24" ABOVE/OUTSIDE OF STRUCTURE TO FACILITATE TESTING. COIL AND SECURE TRACER WIRE WITHIN EASY REACH OF STRUCTURE OPENING. VERIFY WIRE IS CLEAR OF ALL FILL MATERIAL IN CLEANOUT AND VALVE BOX STRUCTURES.
11. ALL STORM DRAIN AND SANITARY SEWER LATERAL CONNECTIONS TO BE CONSTRUCTED USING WYE FITTINGS OR MANHOLES. HORIZONTAL BENDS SHALL BE MADE USING FITTINGS WITH MAXIMUM 45° BEND.
12. CAP AND MARK ALL STORM PIPE ENDS WITH A 2"x4" BOARD STUCK IN GROUND. END OF BOARD SHALL BE PAINTED WHITE AND EXTEND MINIMUM 18" ABOVE GROUND SURFACE.
13. REFER TO SHEET ~~CE~~-SERIES DRAWINGS, FOR EROSION SEDIMENT CONTROL MEASURES AND ADDITIONAL CONSTRUCTION REQUIREMENTS.



3 LATERAL CONNECTION



A



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CIVIL GENERAL
NOTES,
LEGEND, AND
DETAILS

C2.00

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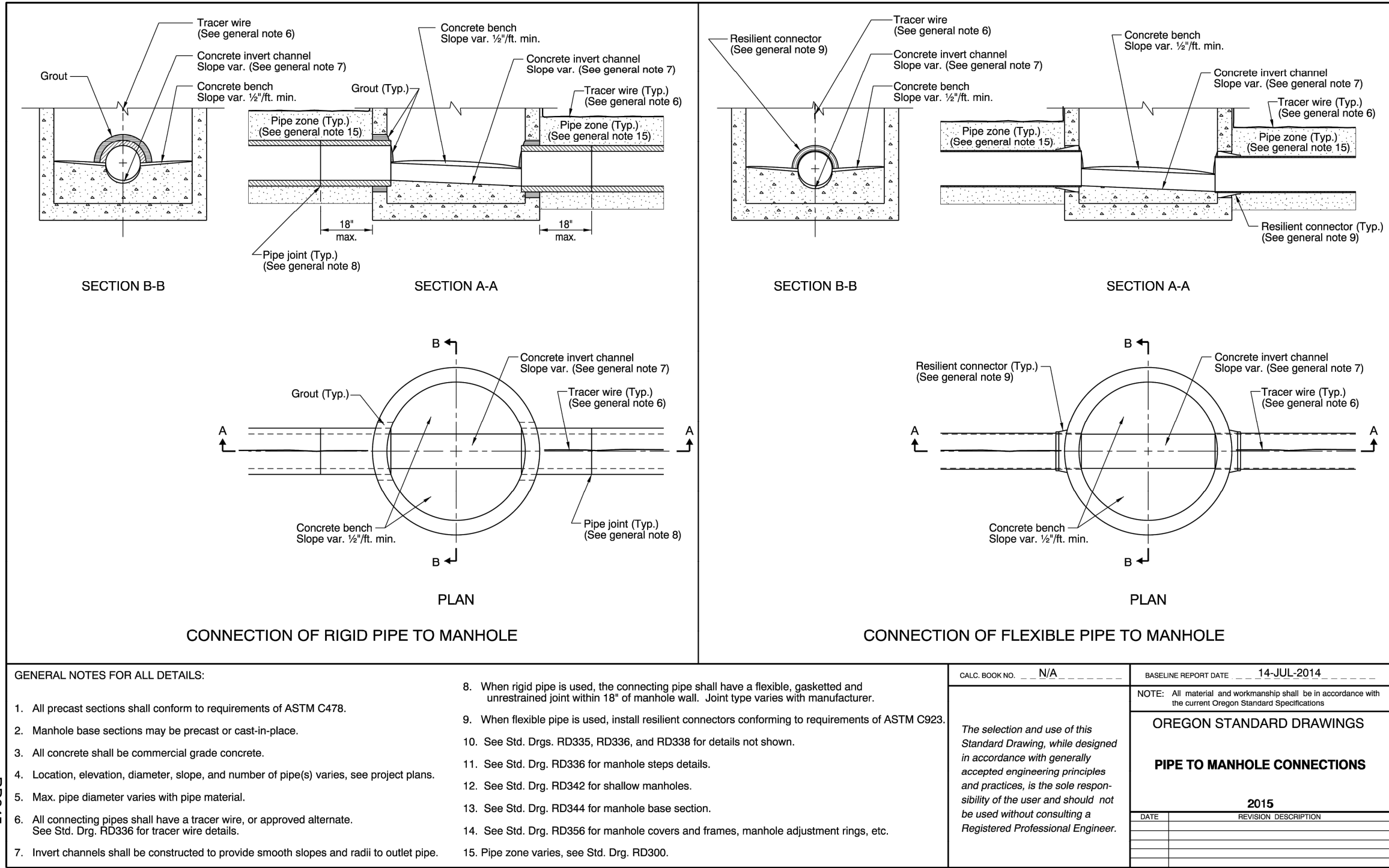


1 STANDARD CLEANOUT (CO)

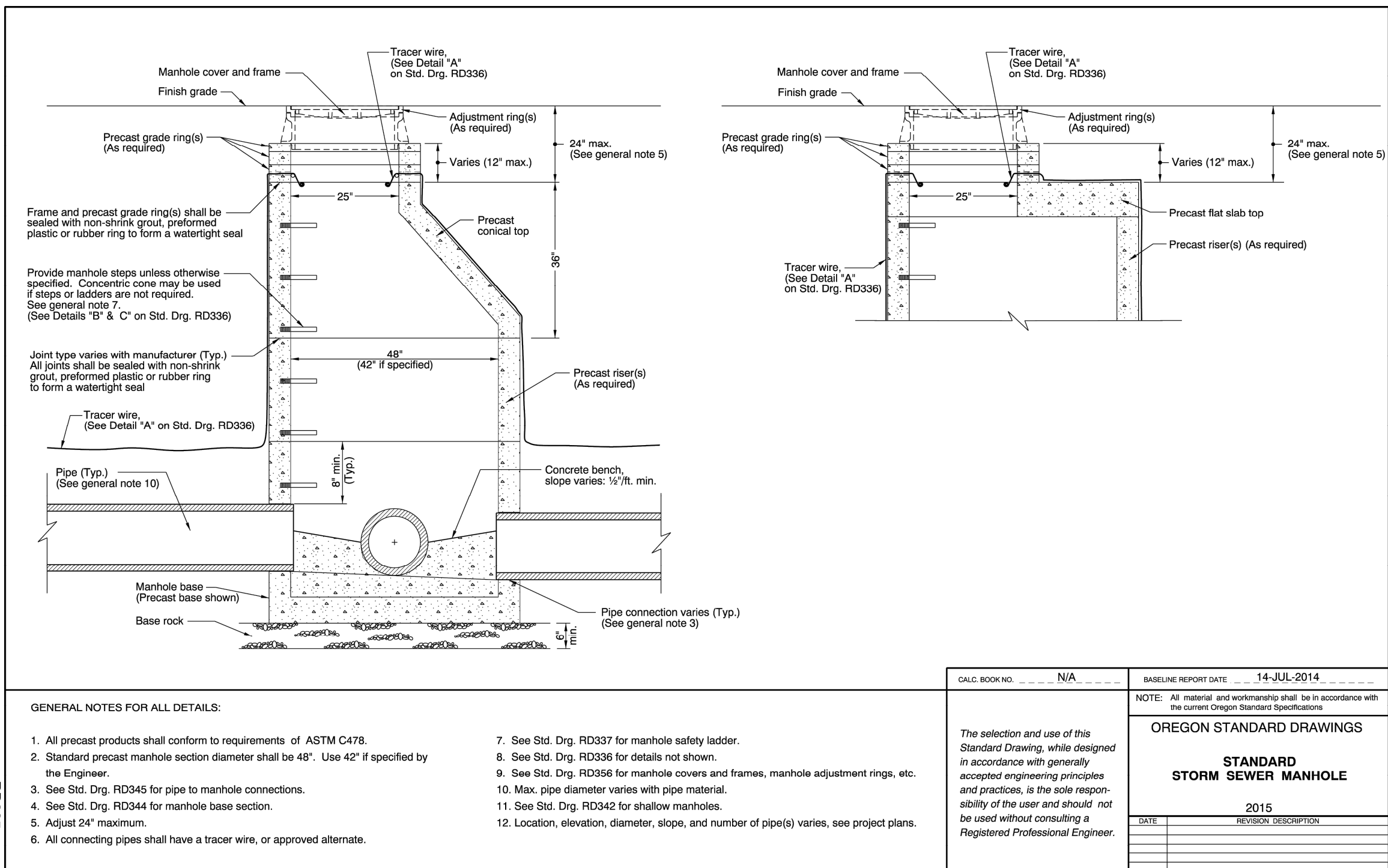


2 COVERS IN SYNTHETIC TURF AREAS

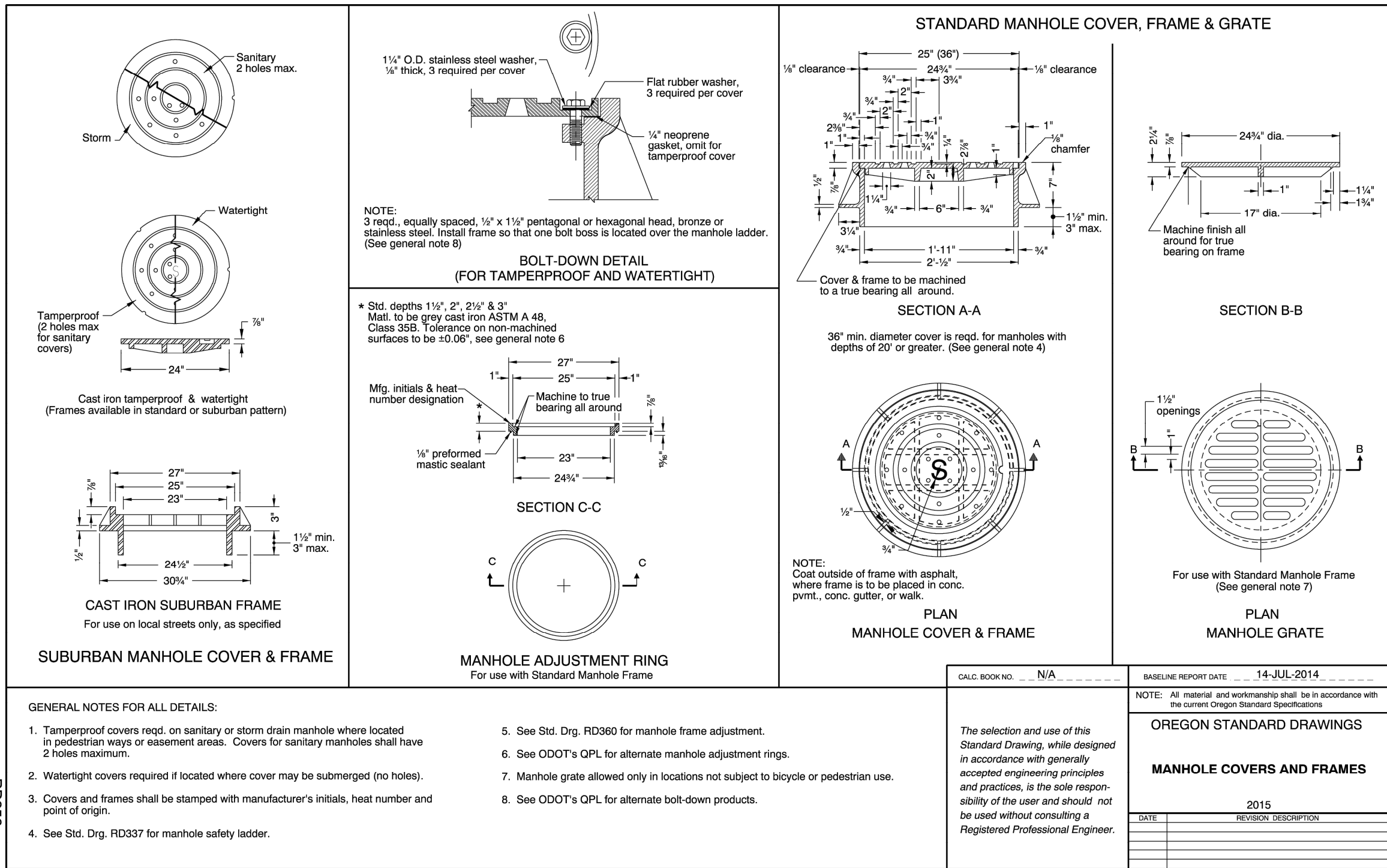




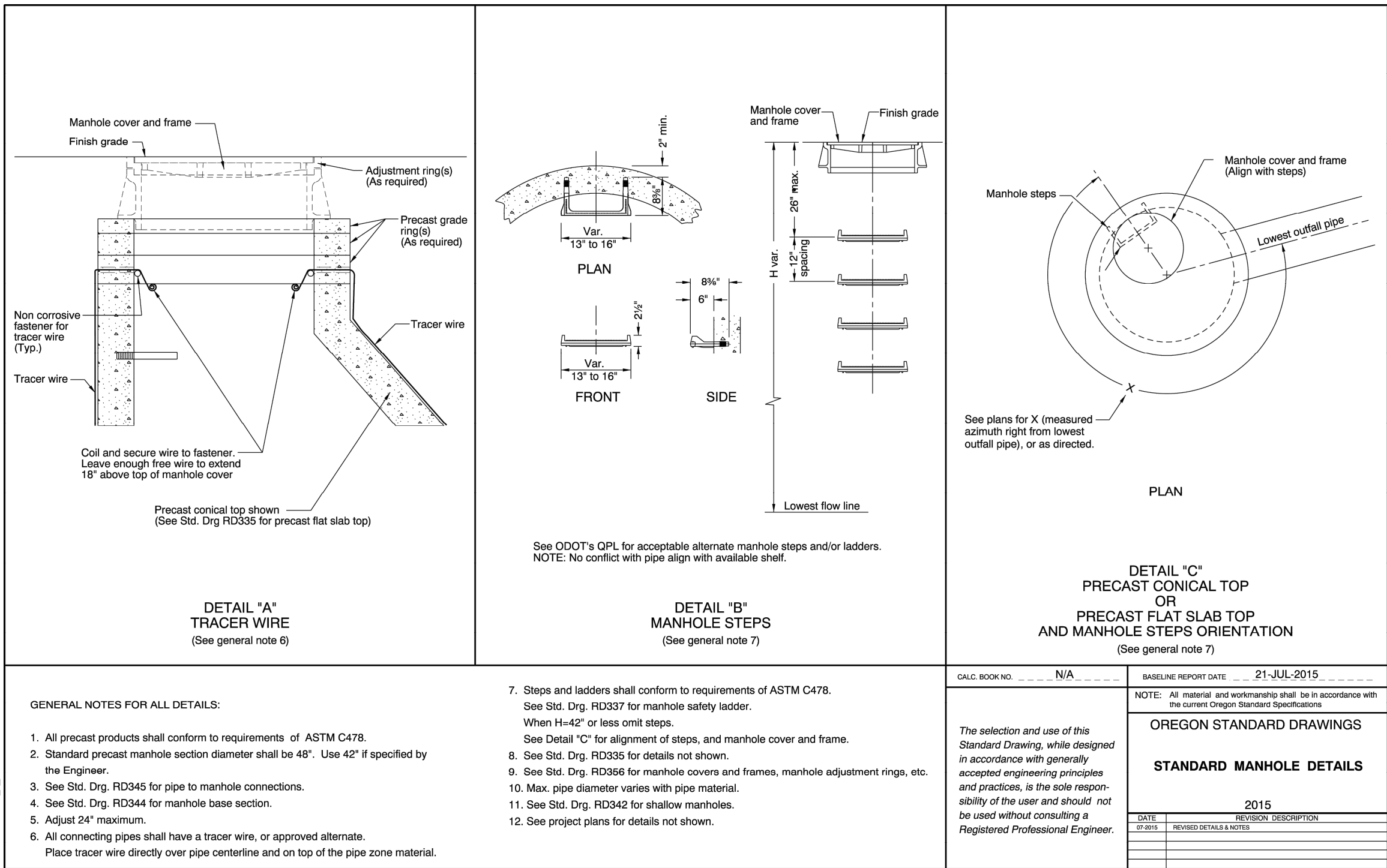
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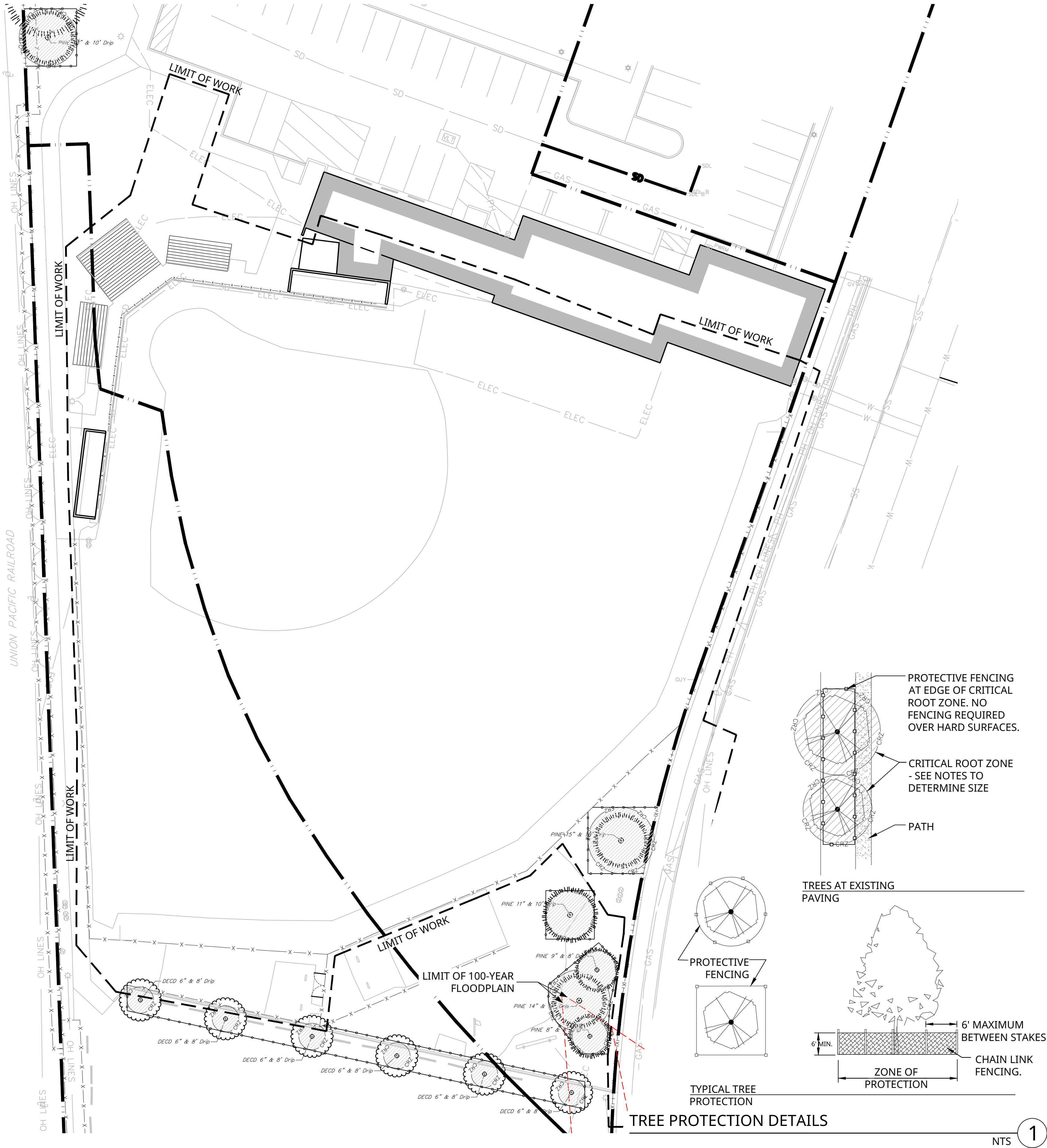
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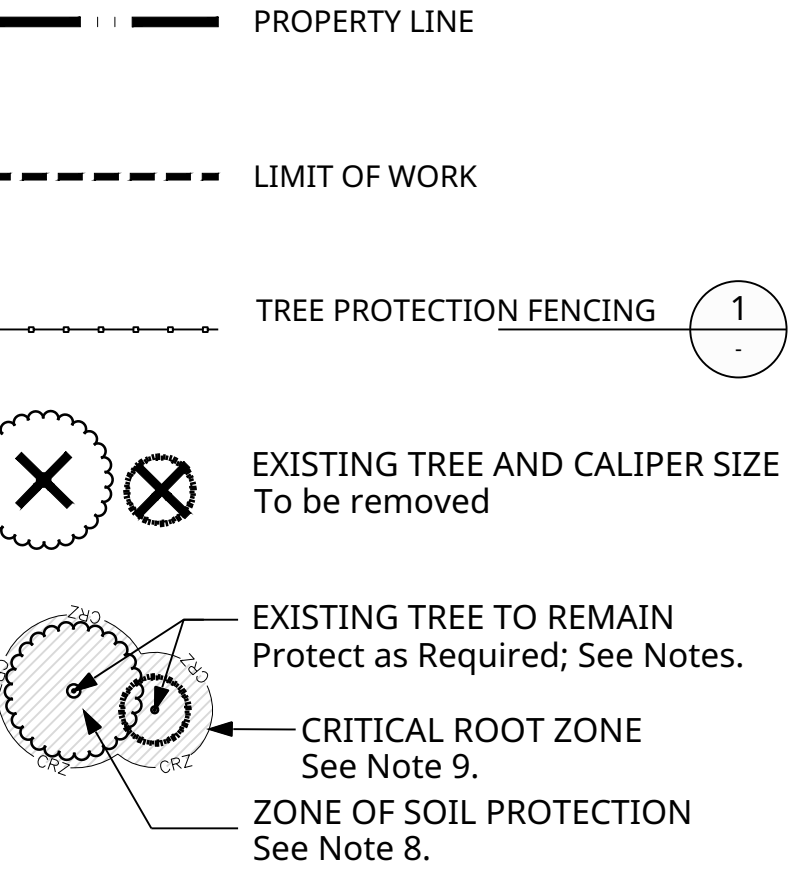
RD356



RD336



TREE PROTECTION AND REMOVAL LEGEND



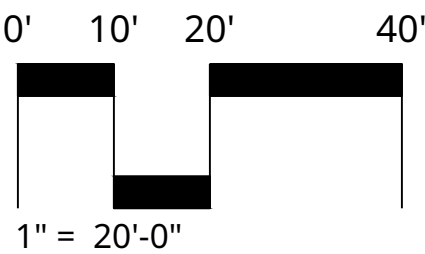
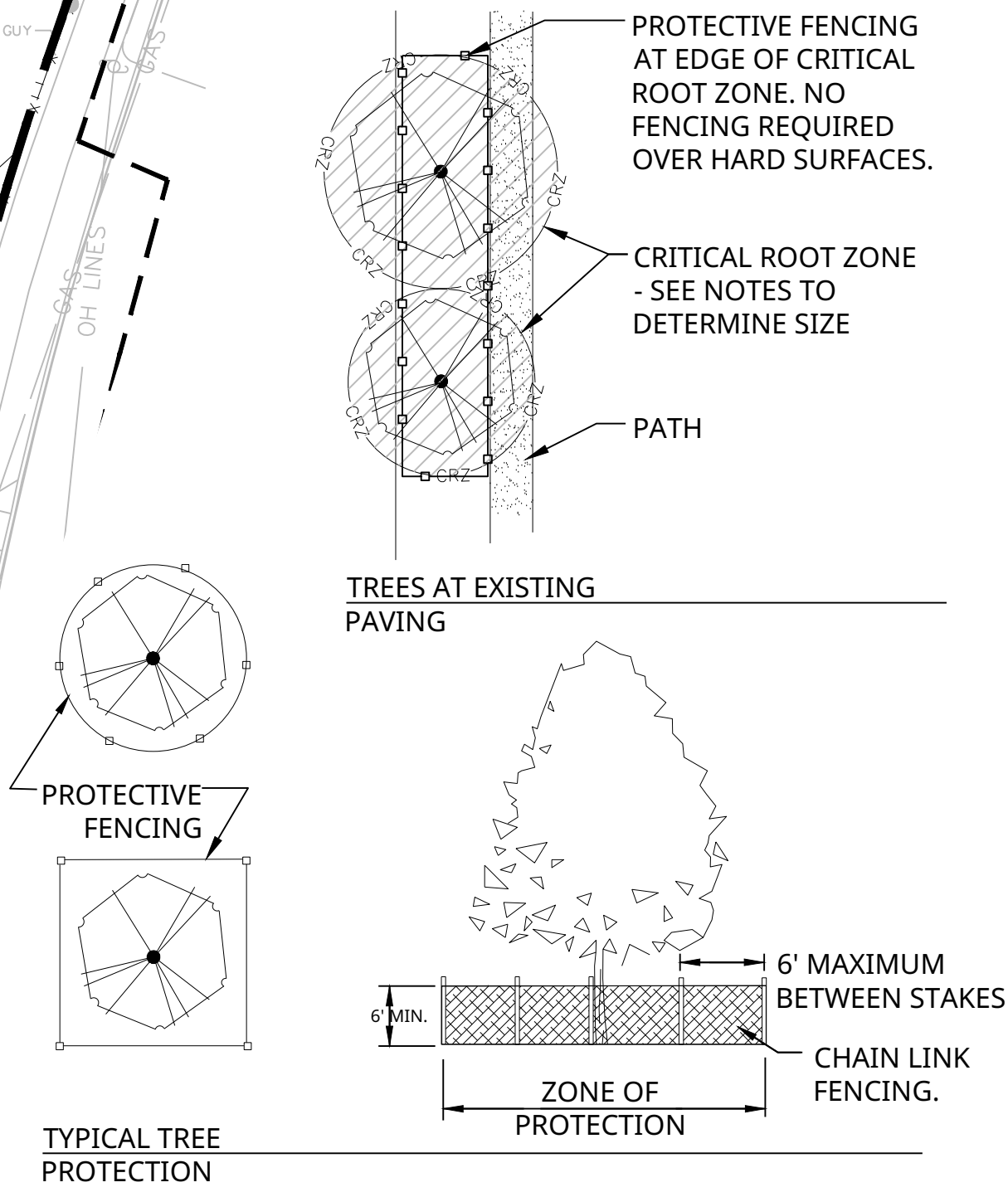
GENERAL TREE PROTECTION NOTES

1. All survey information provided by:
BARKER SURVEYING
3657 Kashmir Way
Salem, Oregon 97317
Phone: (503) 588.8800
2. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.
3. Barricade and protect trunks, limbs, roots and root zones beyond CRZ of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 1.5 inch in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
4. If roots are encountered within the Limits of Construction and the City of Eugene determines that modification of the work is not practical, cut roots in accordance with these specifications. Do not cut roots greater than 2 inch diameter without approval of Certified Arborist. All roots to be cut shall be cleanly severed with sharp pruning equipment such as saws and loppers must be used.
5. Do not allow exposed roots to dry out before permanent backfill is in place; provide temporary earth cover, pack with wet bark mulch, or 4 layers of wet untreated burlap, and temporarily support and protect from damage until roots are permanently relocated and covered with backfill. Water the soil to settle backfill and eliminate voids and air pockets.
6. Water trees if required by Owner's Representative. Use a slow drip or soaker hose to provide necessary water until completion of project.
7. No disturbance, including parking, material storage, equipment storage, etc., on existing lawns is allowed without approval from the Owner's Representative.
8. See Civil and Electrical drawings for additional Demolition Items.
9. Tree Protection Fence - Install fence during initial mobilization at the site and maintain until substantial completion. Fence is 6-foot height chain link and secured with rigid metal, plastic, or wood posts 6'-0" min. length and adequate strength to support fencing and resist wind and moderate live loads.
10. Protect existing trees as specified within 25' of Limit of Work unless otherwise noted.

CRITICAL ROOT ZONE (CRZ) NOTES

1. The critical root zone (CRZ) for trees 4" diameter or smaller shall be an area with a radius at least 5'-0" from the trunk.
2. The CRZ for trees over 4" diameter shall be an area with a radius of at least 1'-6" from the trunk for every 1" of diameter size.
3. No soil grade changes or compaction shall take place within the CRZ, except as approved.
4. No storage of material shall be allowed within the CRZ.
5. If work is done with the CRZ, care must be taken to minimize root disturbance. special care shall be taken during excavation and removal of existing curb, gutter, and sidewalks to avoid damage to tree roots. Locate existing tree roots using hand tools or other approved methods such as an airspade.
6. Protective fencing is required when the work area is within the CRZ of trees, except where portions of the CRZ are covered with pavement such as streets or walks.
7. No root over 2" shall be cut without approval of a Certified Arborist. Roots shall be cut with approved saws. No roots over 2" shall be cut or torn during trenching with power equipment such as backhoes and trenchers. utility lines and irrigation or other pipes shall be installed by hand digging or tunneling under roots, as necessary, to avoid cutting roots 2" and larger.

TREE PROTECTION DETAILS



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Checked:	MK
Project #:	23.054
Date:	03.24.2025

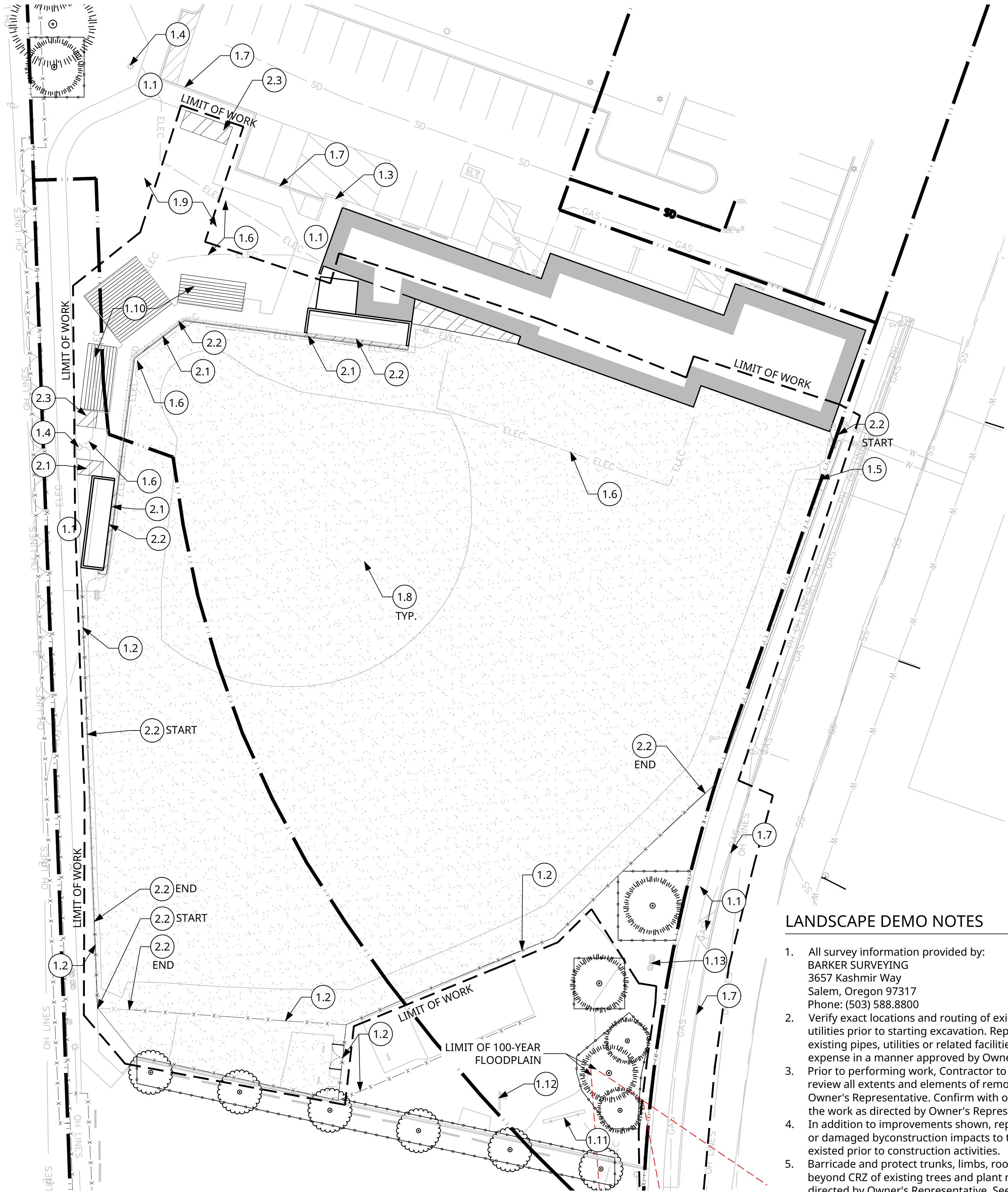
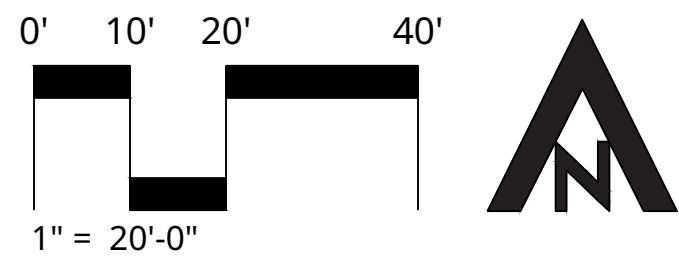
Rev. #:	Date:

LAND USE

SHEET TITLE
TREE
PROTECTION
AND REMOVAL
PLAN

SHEET #

L0.00



LANDSCAPE DEMO NOTES

- All survey information provided by:
BARKER SURVEYING
3657 Kashmir Way
Salem, Oregon 97317
Phone: (503) 588.8800
- Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.
- Prior to performing work, Contractor to field mark, verify and review all extents and elements of removal and salvage with Owner's Representative. Confirm with or make adjustments to the work as directed by Owner's Representative.
- In addition to improvements shown, repair all areas disturbed or damaged by construction impacts to the condition that existed prior to construction activities.
- Barricade and protect trunks, limbs, roots and root zones beyond CRZ of existing trees and plant material to remain as directed by Owner's Representative. See Tree Protection Plan for tree fencing and CRZ requirements.
- Boundaries are approximate. Adjust limits as required to implement improvements shown on Drawings and Specifications.
- Refer to Civil and Electrical drawings for Utility demo drawings.

DEMO PLAN LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- TREE PROTECTION FENCING
See L0.00
- EXISTING TREE TO REMAIN
Protect as Required; See L0.00
- EXISTING PAVING TO BE REMOVED
Full Depth, Sawcut as required; Dispose off-site.
- EXISTING LANDSCAPE TO BE REMOVED
Strip and Remove top 4"; Remove additional soil as needed for proposed improvements.

KEY NOTES

EXISTING ELEMENTS TO REMAIN

- 1.1 EXISTING PAVING
To Remain.
- 1.2 EXISTING FENCING
To Remain.
- 1.3 EXISTING WALLS
To Remain.
- 1.4 EXISTING LIGHT POLE
To Remain.
- 1.5 EXISTING FOUL POLE
Salvage and adjust alignment to conform with new home plate location.
- 1.6 EXISTING UTILITIES
See Civil.
- 1.7 EXISTING CURB
To Remain.
- 1.8 EXISTING PITCHING RUBBER, HOME PLATE AND BASES
Salvage and store per Owner direction.
- 1.9 EXISTING GRAVEL
To Remain.
- 1.10 EXISTING BLEACHERS
To Remain.
- 1.11 EXISTING SCOREBOARD
To Remain.
- 1.12 EXISTING FLAG POLE
To Remain.
- 1.13 EXISTING IRRIGATION VALVES
To Remain.

KEY NOTES

EXISTING ELEMENTS TO REMOVE

- 2.1 EXISTING PAVING
To be removed.
- 2.2 EXISTING FENCING
To be removed.
- 2.3 EXISTING GRAVEL SURFACING
To be removed.

BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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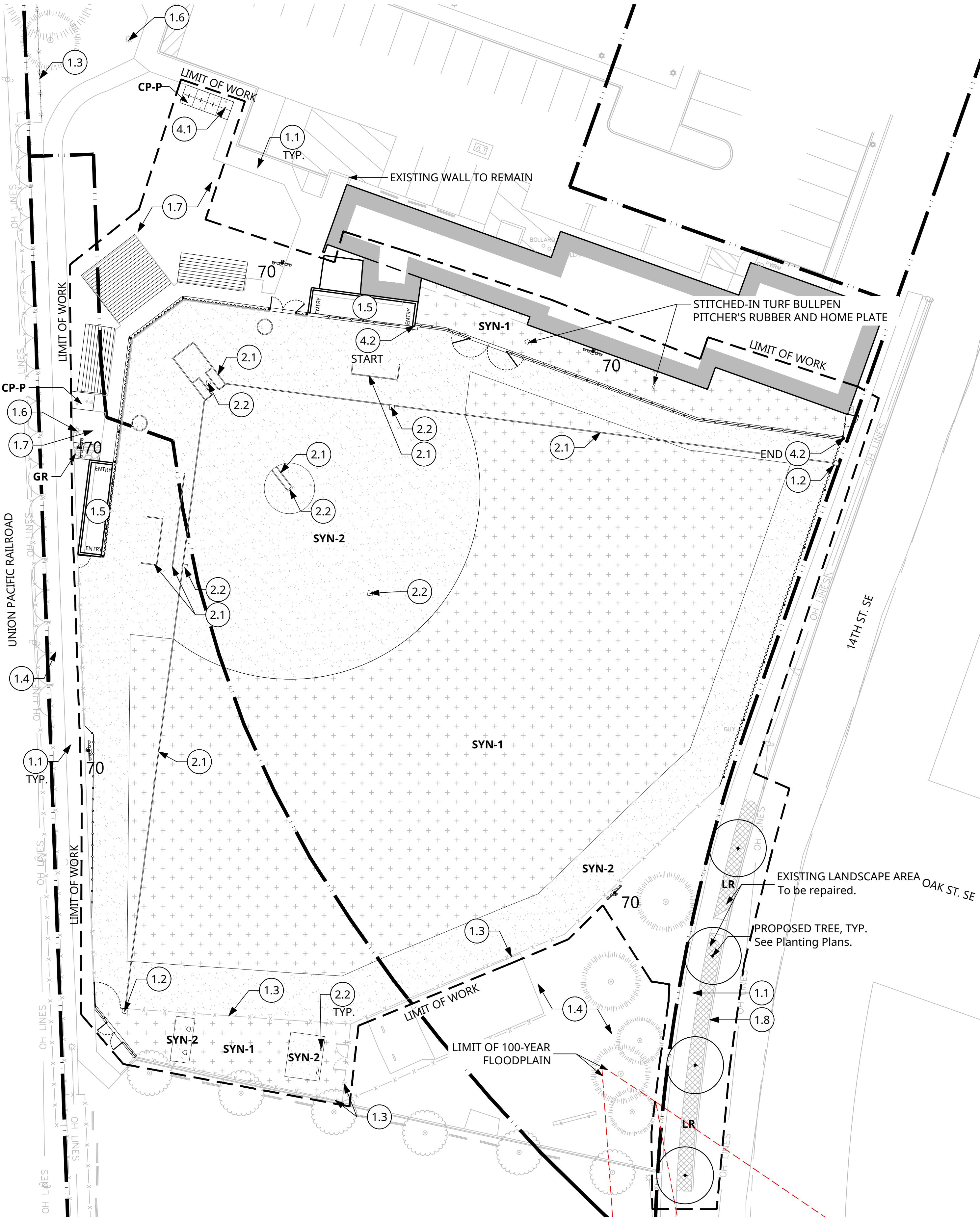
LAND USE

SHEET TITLE

LANDSCAPE
DEMOLITION
PLAN

SHEET #

L0.01



LEGEND

- PROPERTY LINE
Total Property Area: 331,056 sf
- LIMIT OF WORK LINE
Total Site Work Area: 55,772 sf
- EXISTING TREES
To Remain.
- SYN-1
SYNTHETIC TURF - TYPE 1
Color: Field Green
Site Area: 24,401 sf (44% of Site Work Area)
- SYN-2
SYNTHETIC TURF - TYPE 2
Color: Brown
Site Area: 19,256 sf (35% of Site Work Area)
- CP-P
PEDESTRIAN RATED CONCRETE PAVING
Site Area: 375 sf (<1% of Site Work Area)
- GR
CRUSHED GRAVEL
Site Area: 42 sf (>1% of Site Work Area)
- LR
LANDSCAPE REPAIR
Re-seed existing landscape strip as necessary following installation of new trees and irrigation.
Site Area: 578 sf (1% of Site Work Area)
- 70
FIELD LIGHTING
Height: As noted; 70' ht. Max.
Mfr.: SITECO.

KEY NOTES

EXISTING ELEMENTS

- 1.1 EXISTING PAVING
To Remain.
- 1.2 EXISTING FOUL POLE
To Remain. Salvage and adjust alignment to conform with new home plate location.
- 1.3 EXISTING FENCING
To Remain.
- 1.4 EXISTING LANDSCAPE
To Remain.
- 1.5 EXISTING DUGOUT
To Remain.
- 1.6 EXISTING LIGHT POLE
To Remain.
- 1.7 EXISTING GRAVEL PAVING
To Remain.
- 1.8 EXISTING CURB
To Remain.

KEY NOTES

PROPOSED ELEMENTS - FIELD MARKINGS & EQUIPMENT

- 2.1 SYNTHETIC TURF FIELD MARKINGS
See L7.00
Color: White
Width: 4"
- 2.2 HOME PLATE, PITCHING RUBBER AND BASES
Per NCAA Standards

SITE PLAN NOTES

1. Refer to Utility Plan for associated stormwater utility design.
2. Refer to sheet L7.01 for Field Marking Plan.

KEY NOTES

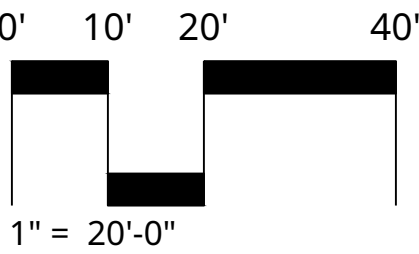
PROPOSED ELEMENTS - FENCING & GATES

See L1.01 Site Fencing Plan.

KEY NOTES

PROPOSED SITE ELEMENTS

- 4.1 BIKE RACKS
Product: The Staple, surface mounted.
Mfr.: Huntco.
- 4.2 CONCRETE MOWSTRIP



BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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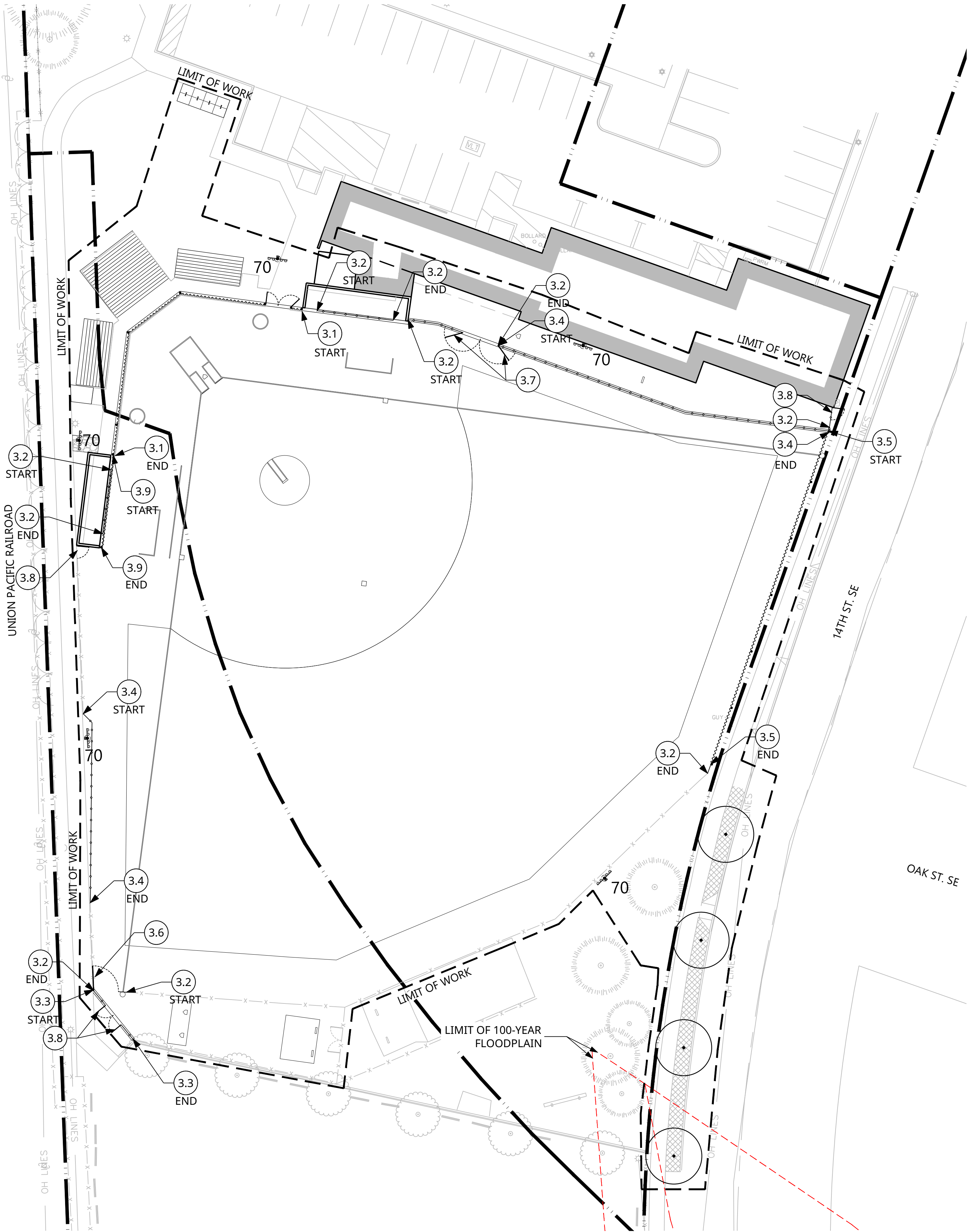
LAND USE

SHEET TITLE

SITE PLAN

SHEET #

L1.00



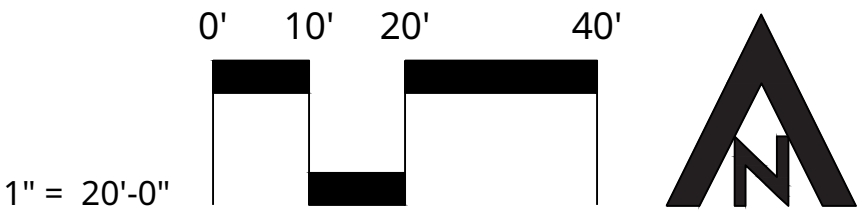
LEGEND

- PROPERTY LINE
Total Property Area: 331,056 sf
- LIMIT OF WORK LINE
Total Site Work Area: 55,772 sf
- EXISTING TREES
To Remain.

KEY NOTES

PROPOSED ELEMENTS - FENCING & GATES

- 3.1 PRE-FABRICATED PADDED BACKSTOP W/POST-TO-POST TENSION NETTING ABOVE
Product: SportsField Specialties TNPP36WPB
Backstop Height: 3'-0"
Netting Height: 30'
- 3.2 CHAINLINK FIELD PERIMETER FENCING
Height: 8'-0"
Color: Galvanized
- 3.3 CHAINLINK PERIMETER FENCING
Height: 4'-0"
Color: Galvanized
- 3.4 CHAINLINK FIELD PERIMETER FENCING
Height: 3'-6"
Color: Galvanized
- 3.5 CHAINLINK FIELD PERIMETER FENCING W/NETTING ABOVE
Height: 8'-0"
Color: Galvanized
Locate Chain-link fabric at face of netting posts, typ.
See Keynote 3.9 for Protective Netting.
- 3.6 PROPOSED CHAINLINK GATE
Height: Matches Fence Height
Width: 8'-0" each
- 3.7 PROPOSED CHAINLINK GATE
Height: Matches Fence Height
Width: 6'-0" each
- 3.8 PROPOSED CHAINLINK GATE
Height: Matches Fence Height
Width: 4'-0" each
- 3.9 PROPOSED PROTECTIVE NETTING
Product: SportsField Specialties TNPPUC
Height: 30'-0"



BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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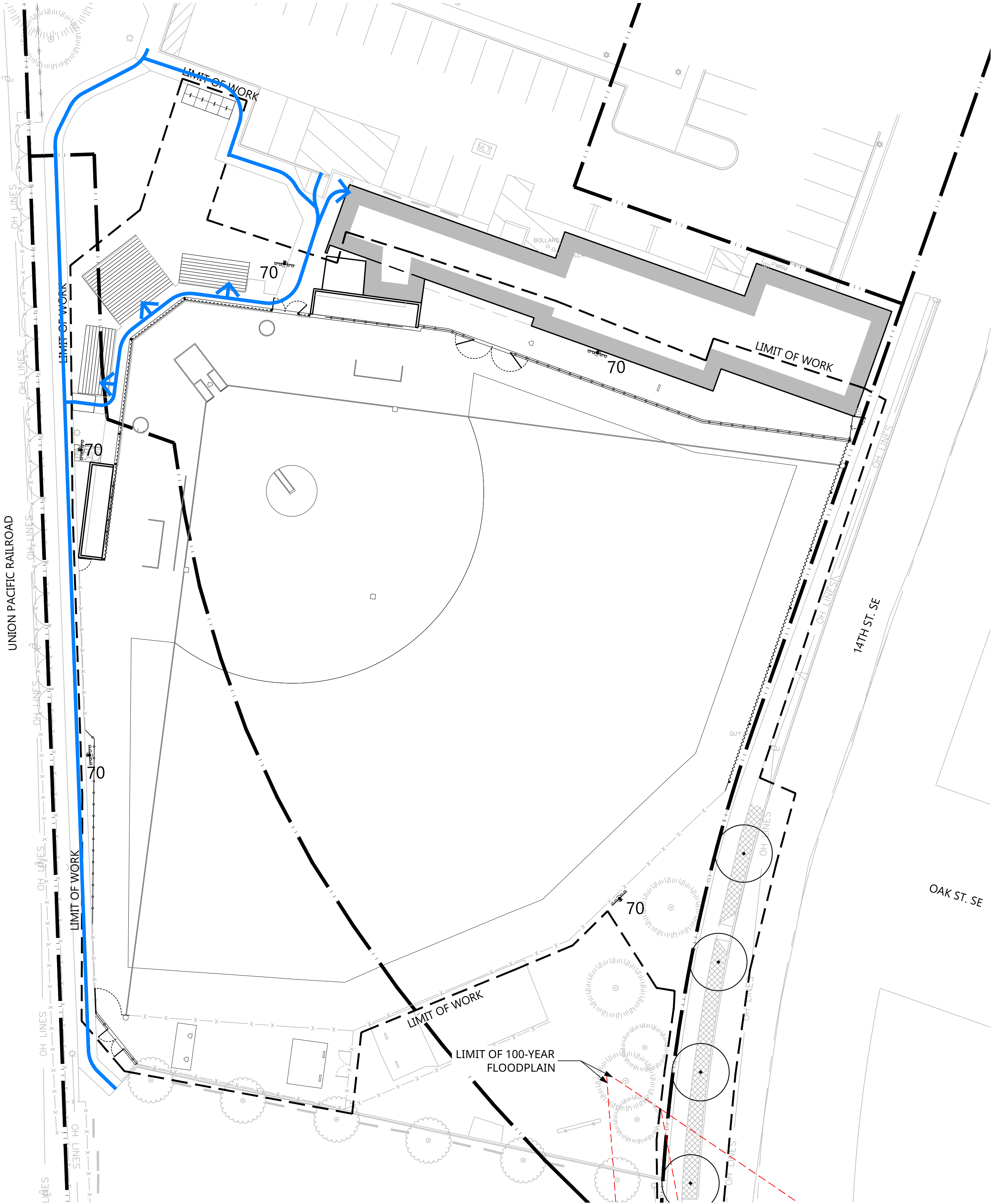
LAND USE

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SITE FENCING
AND NETTING
PLAN

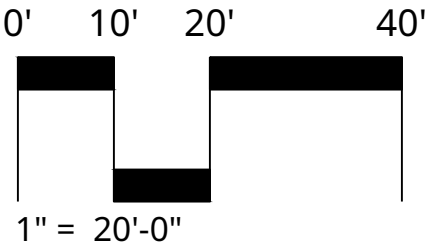
SHEET #

L1.01



LEGEND

- PROPERTY LINE
Total Property Area: 331,056sf
- LIMIT OF WORK LINE
Total Site Work Area: 58,371sf
- EXISTING TREES
To Remain.
- PEDESTRIAN ACCESSIBLE ROUTE
To/From Pedestrian Areas



BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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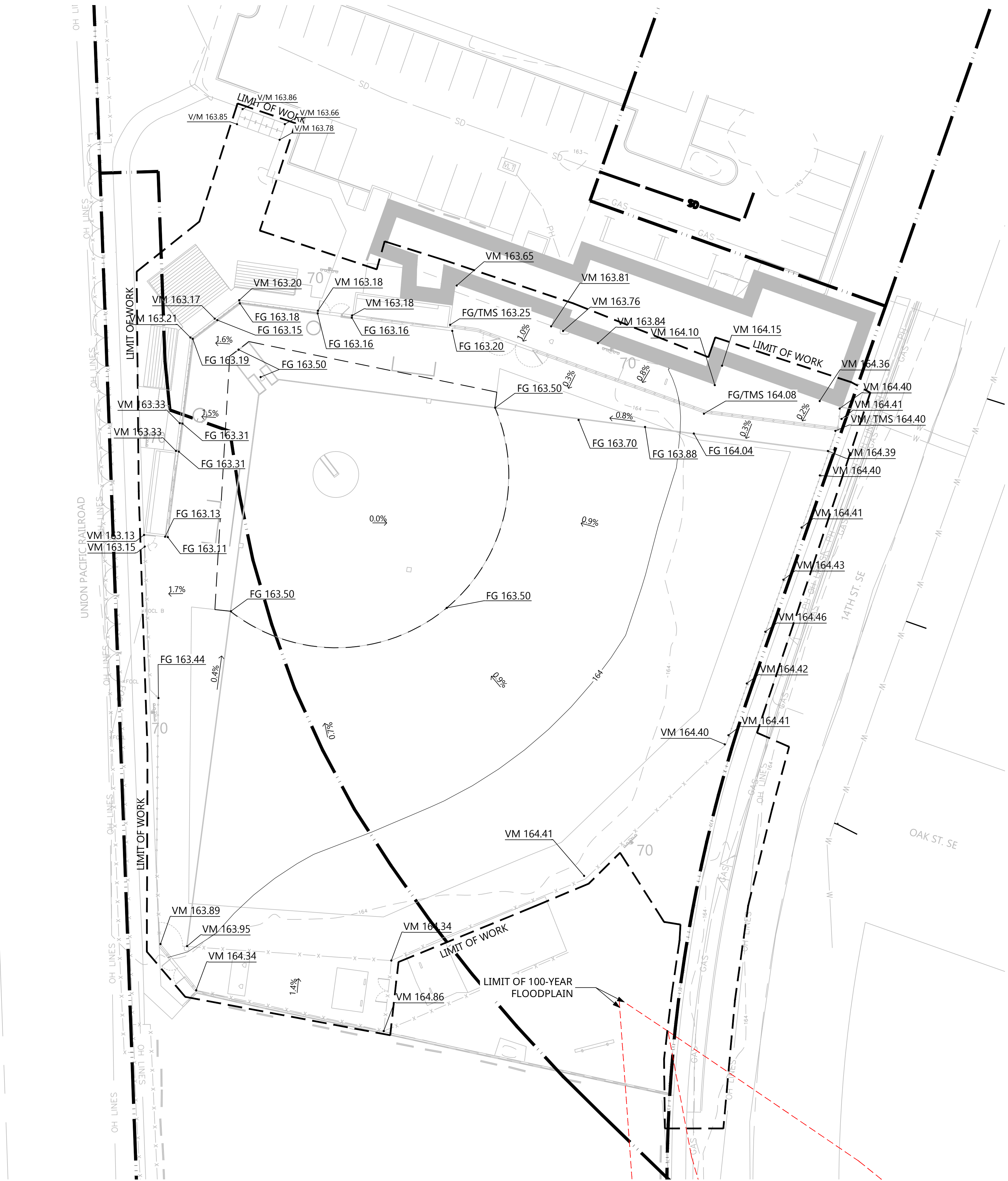
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LAND USE

SHEET TITLE
PEDESTRIAN
CIRCULATION
PLAN

SHEET #
L1.02

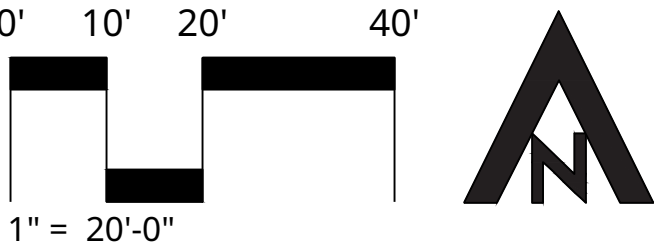


LEGEND

- PROPERTY LINE
- LIMIT OF WORK LINE
- EXISTING TREES To Remain
- EXISTING CONTOUR 1' interval
- PROPOSED CONTOUR 1' interval
- BREAK IN GRADE Arrows indicate slope direction
- <XXX.XX> EXISTING ELEVATION TO REMAIN
- V/M XXX.XX VERIFY AND MATCH EXISTING ELEVATION
- FG XXX.XX FINISHED GRADE
- TMS XXX.XX TOP OF MOWSTRIP

GRADING PLAN NOTES

- All Survey information provided by: BARKER SURVEYING 3657 Kashmir Way SE Salem, OR 97317
- Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities or related facilities at Contractor's expense in a manner approved by Owner's Representative.
- Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Property Representative. Cut no limbs or roots larger than 2" in diameter without approval of Owner's Representative. Notify Owner's Representative prior to performing any excavation within protection areas.
- Path and sidewalk slopes N.T.E. 4.5% longitudinally and 1.5% cross-slope, unless noted otherwise.
- All accessible components including, but not limited to signs, ramps, tactile warning, markings, etc. shall conform to all Oregon State Standards for parking and access for the disabled. Obtain Owner's Representative approval prior to installing any related work.
- Install new utilities so that rim elevations are flush with finish grades at pavement, lawn and plant beds. Adjust rim elevations of existing utilities accordingly.
- Verify existing elevations where new work abuts existing to remain. Notify Owner's Representative of any discrepancies prior to any construction.
- Adjust rim elevations of existing utilities so that rims are flush with finish grade at new paving and lawns.
- Blend all new elevations back to existing grade to create a uniform slope. Maximum slope, 4:1.
- Construct smooth transitions between new paving improvements and existing paving to remain.



CAMERON McCARTHY

Landscape Architecture & Planning
160 E Broadway, Eugene, OR 97401
133 SW 2nd Avenue, Ste. 410, Portland, OR 97204
541-485-7385
www.cameronmccarthy.com

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FIELD IMPROVEMENTS

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LAND USE

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GRADING PLAN

SHEET #

L3.00

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SUBGRADE DRAINAGE PLAN

L4.00



— || — || — PROPERTY LINE

--- LIMIT OF WORK LINE

||||| BREAKLINE

—————/ HARD PIPE CONNECTION TO STORM SYSTEM
See Civil.

← - ← PERFORATED COLLECTOR PIPE
Arrow indicates direction of flow; See Civil.

← PERF ← FIELD SUBGRADE DRAINAGE PIPE
15' O.C typ.; Arrow indicates direction of flow.

FG XXX.XX	FINISHED GRADE See Grading Plan.
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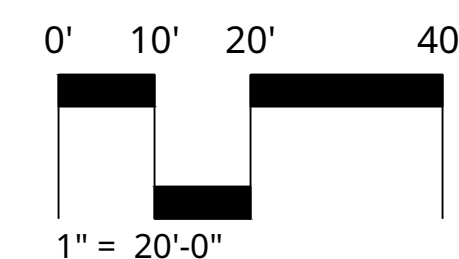
FGS XXX.XX FINISHED GRADE OF SUBGRADE

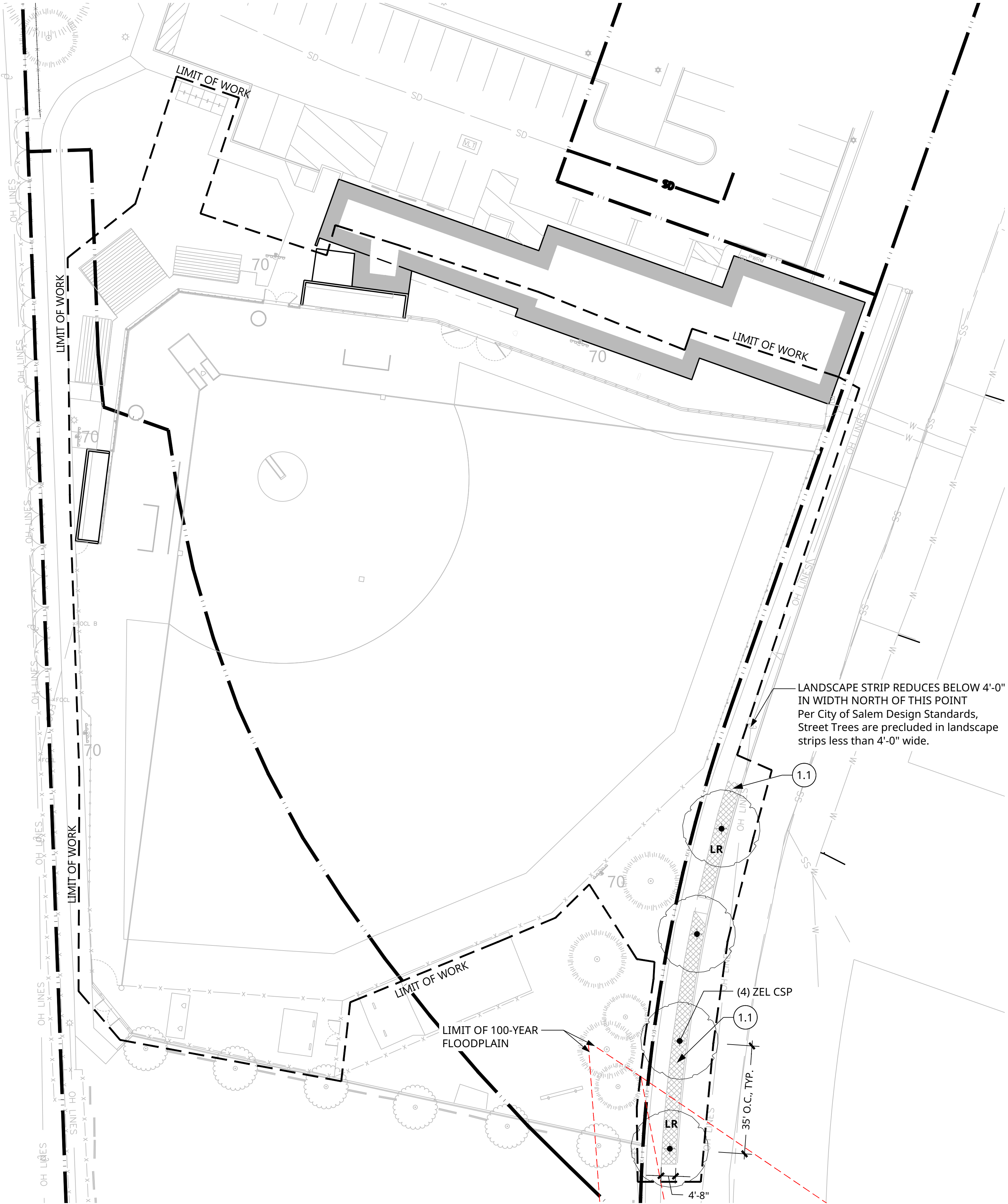


DIRECTION OF SUBGRADE FLOW

SUBGRADE DRAINAGE PLAN NOTES

1. Refer to the Topographic Survey Sheet (V1.0) for Surveyor's information.
2. Verify exact locations and routing of existing underground utilities prior to starting excavation. Repair any damage to existing pipes, utilities, or related facilities at Contractor's expense in a manner approve by Owner's Representative.
3. Refer to Civil drawings for utility locations and elevations.
4. Install new utilities so that exposed elements such as manhole lids and drain covers are below synthetic turf U.N.O. Coordinate with applicable trades.
5. Coordinate collector pipe installation w/Field Subgrade drainage pipe. Verify collector pipe routing and elevations w/Civil drawings.

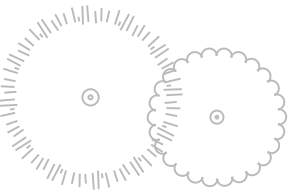




PLANTING PLAN LEGEND

PROPERTY LINE

LIMIT OF WORK LINE



EXISTING TREES
To Remain.

KEY NOTES

PLANTING AREAS

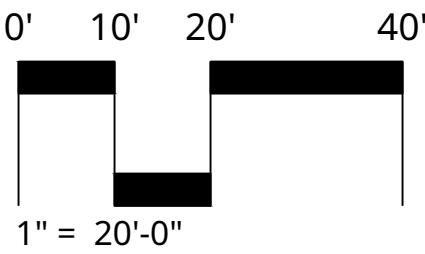
- 1.1 LANDSCAPE REPAIR
Re-seed existing landscape strip as necessary following installation of new trees and irrigation.
Product: Champion GQ

PLANTING SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING
TREES					
ZEL CSP	Zelkova serrata 'JFS-KW1'	City Sprite® Japanese Zelkova	1.5" cal	B&B or Cont	As Shown

PLANTING NOTES

- Do not install any plant materials until Owner's Representative has reviewed and approved irrigation system installation, area coverage balancing, soil preparation and finish grading. Refine the shape and finish grade of plant beds as directed by Owner's Representative.
- Protect all existing trees and plant materials to remain including limbs, trunks, roots and root zones.
- Finish grade is top of topsoil. Mulch is in addition.
- Prune all new plant materials as directed by Owner's Representative.
- Make minor adjustments in tree spacing as neccessary to accommodate the irrigation system as installed.
- Where new lawn abuts existing, provide a smooth transition and make repairs as necessary to existing lawn.
- Plant quantities shown are for Contractor's convenience only. Contractor is responsible to provide 100% coverage of entire area at spacing shown.
- Triangle space all shrubs and groundcovers, unless otherwise noted.



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LAND USE

SHEET TITLE

PLANTING
PLAN

SHEET #

L6.00



LEGEND

- PROPERTY LINE
Total Property Area: 331,056 sf
- LIMIT OF WORK LINE
Total Site Work Area: 55,772 sf
- SYN-1

SYN-2

FIELD SURFACE
See L1.00 for type and color.
Site Area: SYN 1 24,401 sf / SYN 2 19,256 sf
- CP-P

CONCRETE PAVING
Pedestrian-rated.
Site Area: 375 sf
- GR

CRUSHED GRAVEL PAVING
Site Area: 42 sf
- LR

LAWN REPAIR AREA
Site Area: 578 sf

FIELD MARKING NOTES

1.

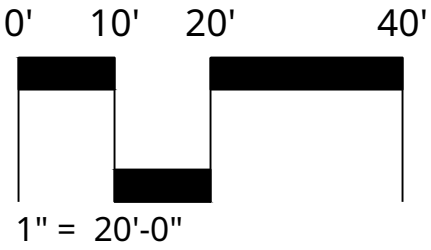
Notify Owner's Representative of any discrepancies with dimensions and obtain approval of any required adjustments prior to installation.
2.

Install Softball field markings to conform to most current NCAA Softball Rules Book.
3.

Obtain any logo graphics from Owners Representative and provide mock up prior to fabrication and installation

TURF LINE MARKING SCHEDULE

SOFTBALL MARKINGS
Color: White
Width: 3"



BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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LAND USE

SHEET TITLE

ILLUSTRATIVE
FIELD PLAN

SHEET #

L7.01



AERIAL PERSPECTIVE - LOOKING NORTHWEST

NTS 1



PERSPECTIVE AT FIELD - LOOKING SOUTHEAST

NTS 2

BEARCAT SOFTBALL
FIELD IMPROVEMENTS

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LAND USE

SHEET TITLE

SITE
RENDERINGS

SHEET #

L8.06

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ELECTRICAL SYMBOL SCHEDULE

DESIGNATION SYMBOLS	
	COLUMN LINE
	FEEDER DESIGNATION TAG
	KEY NOTE TAG
	DETAIL REFERENCE BUBBLE DETAIL NUMBER SHEET BEARING DETAIL
	EQUIPMENT TAG
	FIXTURE DESIGNATION LUMINAIRE TYPE
	CIRCUIT NUMBER, SWITCH LEG (WHERE SHOWN). PANEL NAME
	CIRCUIT NUMBER (WHERE SHOWN)

CONDUIT SYMBOLS	
	CONDUIT INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS IN FINISHED AREAS, OR EXPOSED IN UNFINISHED AREAS
	CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUBBED OUT WITH BUSHING
	CONDUIT STUBBED OUT AND CAPPED
	FLEXIBLE CONDUIT WITH SINGLE POINT OF CONNECTION AT ELECTRICAL EQUIPMENT
	GROUNDING CONDUCTOR
	CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE

WIRING DEVICE SYMBOLS	
	120V, SINGLE RECEPTACLE OUTLET
	120V, ABOVE COUNTER SINGLE RECEPTACLE OUTLET
	120V, DUPLEX RECEPTACLE OUTLET
	120V, ABOVE COUNTER DUPLEX RECEPTACLE OUTLET
	120V, CONTROLLED DUPLEX RECEPTACLE OUTLET
	120V, 5MA GFCI TYPE DUPLEX RECEPTACLE OUTLET
	120V, ABOVE COUNTER 5MA GFCI TYPE DUPLEX RECEPTACLE OUTLET
	120V, CONTROLLED 5MA GFCI TYPE DUPLEX RECEPTACLE OUTLET
	120V, DOUBLE DUPLEX RECEPTACLE OUTLET
	120V, ABOVE COUNTER DOUBLE DUPLEX RECEPTACLE OUTLET
	120V, CONTROLLED DOUBLE DUPLEX RECEPTACLE OUTLET
	120V, 5MA GFCI TYPE DOUBLE DUPLEX RECEPTACLE OUTLET
	120V, ABOVE COUNTER 5MA GFCI TYPE DOUBLE DUPLEX RECEPTACLE OUTLET
	120V, CONTROLLED 5MA GFCI TYPE DOUBLE DUPLEX RECEPTACLE OUTLET
	SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE AS NOTED
	WALL MOUNTED EQUIPMENT CONNECTION
	EQUIPMENT CONNECTION
	POKE THROUGH; SEE SPECIFICATIONS
	120V, DUPLEX RECEPTACLE OUTLET, FLOOR MOUNTED
	120V, DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED
	120V, DOUBLE DUPLEX RECEPTACLE OUTLET, FLOOR MOUNTED
	120V, DOUBLE DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED
	POWER POLE CONNECTION TO MODULAR FURNITURE
	SURFACE RACEWAY - TYPE, OUTLETS, SPACING AND FINISH AS NOTED

POWER SYMBOLS	
	MOTOR OUTLET
	FUSED DISCONNECT SWITCH SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE
	HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES
	MOTOR STARTER
	COMBINATION MOTOR STARTER
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
	VARIABLE FREQUENCY DRIVE
	AUTOMATIC TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH WITH BY-PASS SWITCH
	TRANSFORMER
	TRANSFORMER
	TRANSFORMER
	GENERATOR
	STATIONARY CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
	DRAWOUT CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	GROUND ROD IN GROUND WELL
	JUNCTION BOX
	PUSH BUTTON STATION
	PHOTOCELL
	TIME CLOCK
	CONTROL PANEL FURNISHED WITH EQUIPMENT
	LIGHTING CONTACTOR
	208V/120V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
	208V/120V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
	480V/277V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
	480V/277V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
	ELAPSE CLOCK
	AUTO SINK TOILET OUTLET
	WALL MOUNTED AUTO SINK TOILET OUTLET

PANEL DESIGNATIONS	
	PANEL DESIGNATION TAG 1EH1 — PANEL NO. H — 480/277V L — 208/120V E — EMERGENCY BRANCH N — NORMAL POWER BRANCH — LEVEL NO.
	DISTRIBUTION PANEL DESIGNATION TAG 1DP1 — PANEL NO. DP — DISTRIBUTION PANEL — LEVEL NO.

ELECTRICAL GENERAL NOTES	
A.	ALL ELECTRICAL WORK SHALL COMPLY WITH THE CURRENT APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE, AS ACCEPTED AND AMENDED BY LOCAL ORDINANCES.
B.	WHERE GROUNDED CONDUCTORS OF DIFFERENT SYSTEMS ARE INSTALLED IN THE SAME RACEWAY, CABLE, BOX, AUXILIARY GUTTER, OR OTHER TYPE OF ENCLOSURE, EACH GROUNDED CONDUCTOR SHALL BE IDENTIFIED BY SYSTEM PER NEC ARTICLE 200.6 (D). MEANS OF IDENTIFICATION SHALL BE PERMANENTLY POSTED AT EACH BRANCH CIRCUIT PANELBOARD.
C.	PER NEC ART 210.5 (C), UNDERGROUND CONDUCTORS OF MORE THAN ONE NOMINAL VOLTAGE SYSTEM SHALL BE IDENTIFIED BY SYSTEM. PROVIDE MEANS OF IDENTIFICATION AS REQUIRED PER THIS ARTICLE.
D.	PER NEC ART 215.12, FEEDER IDENTIFICATION IS REQUIRED WHEN MORE THAN ONE NOMINAL VOLTAGE SYSTEM EXISTS. PROVIDE MEANS OF IDENTIFICATION AS REQUIRED PER THIS ARTICLE.
E.	CONTRACTOR SHALL VERIFY FINAL PLACEMENT AND CONNECTION REQUIREMENTS PRIOR TO ROUGHING IN EQUIPMENT UTILITIES.
F.	FINAL ACCEPTANCE OF WORK IN PLACE SHALL BE SUBJECT TO APPROVAL BY OWNER'S REPRESENTATIVE. INSTALLATION APPROVAL SHALL BE BASED ON APPROVED SUBMITTAL, SHOP DRAWINGS AND LOCAL INSPECTIONS.
G.	CONTRACTOR SHALL SUBMIT RED-LINE RECORD DRAWINGS WITHIN TWO (2) WORK WEEKS OF DATE OF NOTIFICATION OF FINAL APPROVAL.
H.	ALL WORK SHOWN ON DRAWINGS IS IN PART SCHEMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL LAYOUT. VERIFY ALL EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS REQUIRED. ELECTRICAL DRAWINGS ARE LARGELY DIAGRAMMATIC AND, THEREFORE, REPRESENT INSTALLATION INTENT AND GUIDELINES; IT IS THE CONTRACTOR'S RESPONSIBILITY TO COVER ALL CONDITIONS ON HIS PREPARED SHOP DRAWINGS.
I.	CONTRACTOR SHALL PROVIDE UP-TO-DATE, ACCURATE, AND LEGIBLE CIRCUIT DIRECTORY WHICH APPLIES TO PANELBOARDS AND SWITCHBOARDS AS REQUIRED BY NEC ART. 408.4 DIRECTORY SHALL BE LOCATED ON THE FACE OR ON THE DOOR OF EACH PANELBOARD OR AT EACH SWITCH ON A SWITCHBOARD. WITHIN EACH PANELBOARD PRIOR TO FINAL ACCEPTANCE OF WORK IN PLACE.
J.	LABEL ALL WIRING DEVICES WITH SOURCE PANELBOARD AND CIRCUIT NUMBER ON COVER PLATE. SEE SPECIFICATIONS.
K.	LABEL ALL NEW PANELBOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS WITH ENGRAVED LAMINATED-PLASTIC NAMEPLATES MOUNTED WITH CORROSION-RESISTANT SCREWS. SEE SPECIFICATIONS.
L.	ALL INTERIOR OUTLET, JUNCTION AND PULL BOXES SHALL BE METALLIC, SIZED PER CODE FOR THE NUMBER OF CONDUCTORS THEREIN.
M.	ALL ELECTRICAL RACEWAYS SHALL BE CONCEALED IN THE WALLS AND ABOVE SUSPENDED CEILING UNLESS OTHERWISE NOTED.
N.	ALL CONDUCTORS SHALL BE #12 AWG MINIMUM TYPE THHN/THWN UNLESS OTHERWISE NOTED.
O.	ALL CEILING MOUNTED ELECTRICAL DEVICES SHALL BE SUPPORTED FROM THE CEILING GRID, NOT FROM CEILING TILE. LIGHTING SHALL BE SUPPORTED FROM STRUCTURE ABOVE.
P.	ELECTRICAL PLANS ARE MOSTLY DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE CONNECTIONS BETWEEN FIXTURES AND LIGHTING CONTROL DEVICES SUCH AS OCCUPANCY SENSORS, LIGHT SWITCHES, AND LIGHTING CONTROL PANEL TO PROVIDE AN OPERABLE LIGHTING SYSTEM.
Q.	IN THE EVENT OF ANY INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR THE SPECIFICATIONS, THE ONE WHICH PROVIDED THE MOST COMPLETE WORK OR HIGHER STANDARD SHALL PREVAIL.
R.	SUPPLY AND INSTALL ALL REQUIRED SUPPORTS AND BRACING OF EQUIPMENT AND CONDUITS FOR PROPER EQUIPMENT INSTALLATIONS AND CODE COMPLIANCE.
S.	ALL EXPOSED CONDUITS SHALL BE INSTALLED AT RIGHT ANGLE TO ROOM OR STRUCTURE. EXPOSED CONDUITS SHALL BE SUPPORTED FROM BUILDING STRUCTURE USING APPROVED PIPE HANGERS.
T.	ALL CONDUITS SHALL BE SIZED AS PER NEC UNLESS LARGER SIZES ARE NOTED ON THE DRAWINGS.
U.	ALL CUTTING, PATCHING A PAINTING REQUIRED FOR THE CONCEALED INSTALLATION OF CONDUITS SHALL BE PROVIDED BY THE CONTRACTOR. DO NOT CUT OR DRILL STRUCTURAL MEMBERS WITHOUT WRITTEN APPROVAL FROM STRUCTURAL ENGINEER. ALL CUTTING AND PATCHING SHALL BE NEAT, AND PATCHING SHALL MATCH ADJACENT SURFACE AS TO TEXTURE AND FINISH.
V.	ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR CEILINGS SHALL BE SEALED IN ACCORDANCE WITH A UL APPROVED SYSTEM THAT MAINTAINS THE INTEGRITY OF THE EXISTING FIRE RATING. PROVIDE AN ENCLOSURE OF EQUAL FIRE RESISTANT RATING AROUND ALL FIXTURES AND EQUIPMENT INSTALLED IN OR PENETRATING FIRE RATED SEPARATIONS.
W.	ALL DATA CABLING TO BE PROVIDED BY THE OWNERS'S IT VENDOR. COORDINATE ROUGH-IN WORK WITH OWNER'S IT VENDOR.

LIGHTING SYMBOLS	
	RECESSED DOWNLIGHT
	RECESSED ADJUSTABLE DOWNLIGHT
	SURFACE DOWNLIGHT
	SURFACE ADJUSTABLE DOWNLIGHT
	RECESSED TROFFER
	SURFACE TROFFER
	WALL MOUNT
	PENDANT MOUNT LINEAR
	PENDANT MOUNT
	SURFACE LINEAR
	SURFACE STRIP
	CONCEALED LED STRIP / TAPE
	EXTERIOR POLE MOUNT
	FLOOD / ACCENT
	BOLLARD
	TRACK
	EMERGENCY BATTERY UNIT
	EXIT SIGN CEILING MOUNT - ARROW AND FACES AS SHOWN ON PLANS
	EXIT SIGN WALL MOUNT - ARROW AND FACES AS SHOWN ON PLANS
	WALL MOUNTED EXIT SIGN LOW LEVEL

LIGHTING CONTROL SYMBOLS	
	S SINGLE POLE SWITCH
	SS TWO SINGLE POLE SWITCHES UNDER COMMON FACEPLATE
	S2 DOUBLE POLE SWITCH
	S3 3-WAY POLE SWITCH
	S4 4-WAY POLE SWITCH
	SP SINGLE POLE SWITCH WITH PILOT LIGHT
	SK SINGLE POLE KEY OPERATED SWITCH
	SD DIMMER SWITCH
	SD3 DIMMER SWITCH WITH 3-WAY SWITCHING
	SV VARIABLE INTENSITY CONTROL FOR SURGICAL LIGHT
	SM MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROPERTIES
	ST TIMER SWITCH
	SLM LOW VOLTAGE MOMENTARY CONTACT SWITCH (TOGGLE STYLE)
	PUSH BUTTON SWITCH
	SOS WALL MOUNTED OCCUPANCY SENSOR SWITCH
	CS CEILING MOUNTED OCCUPANCY SENSOR
	WS WALL MOUNTED OCCUPANCY SENSOR
	P PUSH PLATE (FOR AUTOMATIC DOOR)
	PB PUSH BUTTON (FOR AUTOMATIC DOOR)
	PC PHOTOCELL

LIGHTING CONTROL NOTES	
THE FOLLOWING NOTATIONS MAY BE USED WITH MOST SWITCH TYPES TO FURTHER DEFINE THE SYMBOL:	
\$	= A LINE THROUGH THE SWITCH SYMBOL MEANS THE DEVICE SHALL BE RED WITH A RED COVER PLATE IF PLASTIC PLATES ARE USED
WP	= WEATHERPROOF DEVICE AND COVER

WIRING DEVICE NOTES	
THE FOLLOWING NOTATIONS MAY BE USED WITH ANY RECEPTACLE TYPE TO FURTHER DEFINE THE SYMBOL:	
C	= CRITICAL BRANCH RECEPTACLE, PROVIDE RED DEVICE AND RED COVER PLATE IF PLASTIC, SEE SPECIFICATIONS
IG	= ISOLATED GROUND RECEPTACLE
L	= LOCKING
LS	= LIFE SAFETY BRANCH RECEPTACLE, PROVIDE RED DEVICE AND RED COVER PLATE IF PLASTIC, SEE SPECIFICATIONS
M	= FOR MONITORING EQUIPMENT, COORDINATE MOUNTING HEIGHT WITH
Q	= EQUIPMENT EQUIPMENT SYSTEM RECEPTACLE, PROVIDE SPECIAL LABEL, SEE SPECIFICATIONS
T	= TAMPER RESISTANT RECEPTACLE
TV	= FOR TELEVISION, COORDINATE MOUNTING HEIGHT WITH TELEVISION
WP	= WEATHERPROOF, CORD CAN BE PLUGGED IN WITH COVER CLOSED

ABBREVIATIONS			
A, AMP	AMPERE	GFCI	GROUND FAULT CIRCUIT INTERRUPTING
AC	ALTERNATING CURRENT	G, GND	GROUND
ACT	ABOVE COUNTER TOP	GEN	GENERATOR
AIC	AMPERE INTERRUPTING CAPACITY	IG	ISOLATED GROUND.
AFF	ABOVE FINISHED FLOOR	HID	HIGH INTENSITY DISCHARGE
AFG	ABOVE FINISHED GRADE	HOA	HAND - OFF - AUTO
ATS	AUTOMATIC TRANSFER SWITCH	HP	HORSEPOWER
AF	FRAME RATING IN AMPERES	HPF	HIGH POWER FACTOR
AS	SWITCH RATING IN AMPERES	LED	LIGHT EMITTING DIODE
AT	TRIP RATING IN AMPERES	LS	LIFE SAFETY BRANCH
AWG	AMERICAN WIRE GAUGE	LLF	LIGHT LOSS FACTOR
AV	AUDIO VISUAL	LRC	LIGHTING RELAY CABINET
C	CONDUIT	MECH	MECHANICAL
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	MCB	MAIN CIRCUIT BREAKER
CL	CENTERLINE	MLO	MAIN LUGS ONLY
CEC	CALIFORNIA ELECTRIC CODE	MCA	MINIMUM CIRCUIT AMPS
CKT	CIRCUIT	MOC	MAXIMUM OVER CURRENT PROTECTION
CLG	CEILING	(N)	NEW
CR	CRITICAL BRANCH	N	NEUTRAL
CFL	COMPACT FLUORESCENT	NC	NORMALLY CLOSED
CL	CONNECTED LOAD	NEC	NATIONAL ELECTRIC CODE
CCT	CORRELATED COLOR TEMPERATURE	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
CRI	COLOR RENDERING INDEX	NL	NIGHT LIGHT
(D)	DEMOLISH EXISTING	NO	NORMALLY OPEN
DF	DEMAND FACTOR	NTS	NOT TO SCALE
DL	DESIGN LOAD	OF	OWNER FURNISHED CONTRACTOR INSTALLED
DC	DIRECT CURRENT	OC	OVER CURRENT
DPDT	DOUBLE POLE, DOUBLE THROW	PB	PULL BOX
DPST	DOUBLE POLE SINGLE THROW	Ø, PH	PHASE
DIST	DISTRIBUTION	PNL	PANEL
EQ	EQUIPMENT BRANCH	PVC	POLYVINYL CHLORIDE CONDUIT
(E)	EXISTING TO REMAIN	PTS	PNEUMATIC TUBE STATION
(ER)	REMOVE EXISTING.	P	POLE
(EL)	RELOCATE EXISTING.	PWR	POWER
EC	EMPTY CONDUIT	(R)	RELOCATE EXISTING
ELEC	ELECTRICAL	RCP	REFLECTED CEILING PLAN
ELEV	ELEVATOR	RSC	RIGID STEEL CONDUIT
E, EMER	EMERGENCY	SPDT	SINGLE POLE, DOUBLE THROW
EMT	ELECTRO METALLIC TUBING	SPST	SINGLE POLE, SINGLE THROW
EW	ELECTRIC WATER COOLER	SWBD	SWITCHBOARD
EW	ELECTRIC WATER HEATER	SWGR	SWITCH GEAR
EMS	EMERGENCY MANAGEMENT SYSTEM	SYS	SYSTEM
FA	FIRE ALARM	TP	TAMPER RESISTANT
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TB, TTB	TERMINAL BACKBOARD
FACP	FIRE ALARM CONTROL PANEL	TC	TERMINAL CABINET
FATC	FIRE ALARM TERMINAL CABINET	TEL	TELEPHONE
FARA	FIRE ALARM REMOTE ANNUNCIATOR	TP	TAMPER PROOF
FCIP	FIRE ALARM CONTROL & INDICATING PANEL	TV	TELEVISION
FPRP	FIRE ALARM PUMP STATUS PANEL	V	VOLT
VCS	FIRE ALARM VOICE COMMUNICATION PANEL	VD	VOLTAGE DROP
FSD	FIRE SMOKE DAMPER	VFD	VARIABLE FREQUENCY DRIVE
FVNR	FULL-VOLTAGE, NON-REVERSING	VA	VOLT AMPERES
FVR	FULL-VOLTAGE, REVERSING	W	WATT
FLA	FULL LOAD AMPS (NAME PLATE)	W	WIRE
FLC	FULL LOAD CURRENT (NEC)	WP	WEATHERPROOF
(F)	FUTURE	XFMR	TRANSFORMER
		XP	EXPLOSION PROOF

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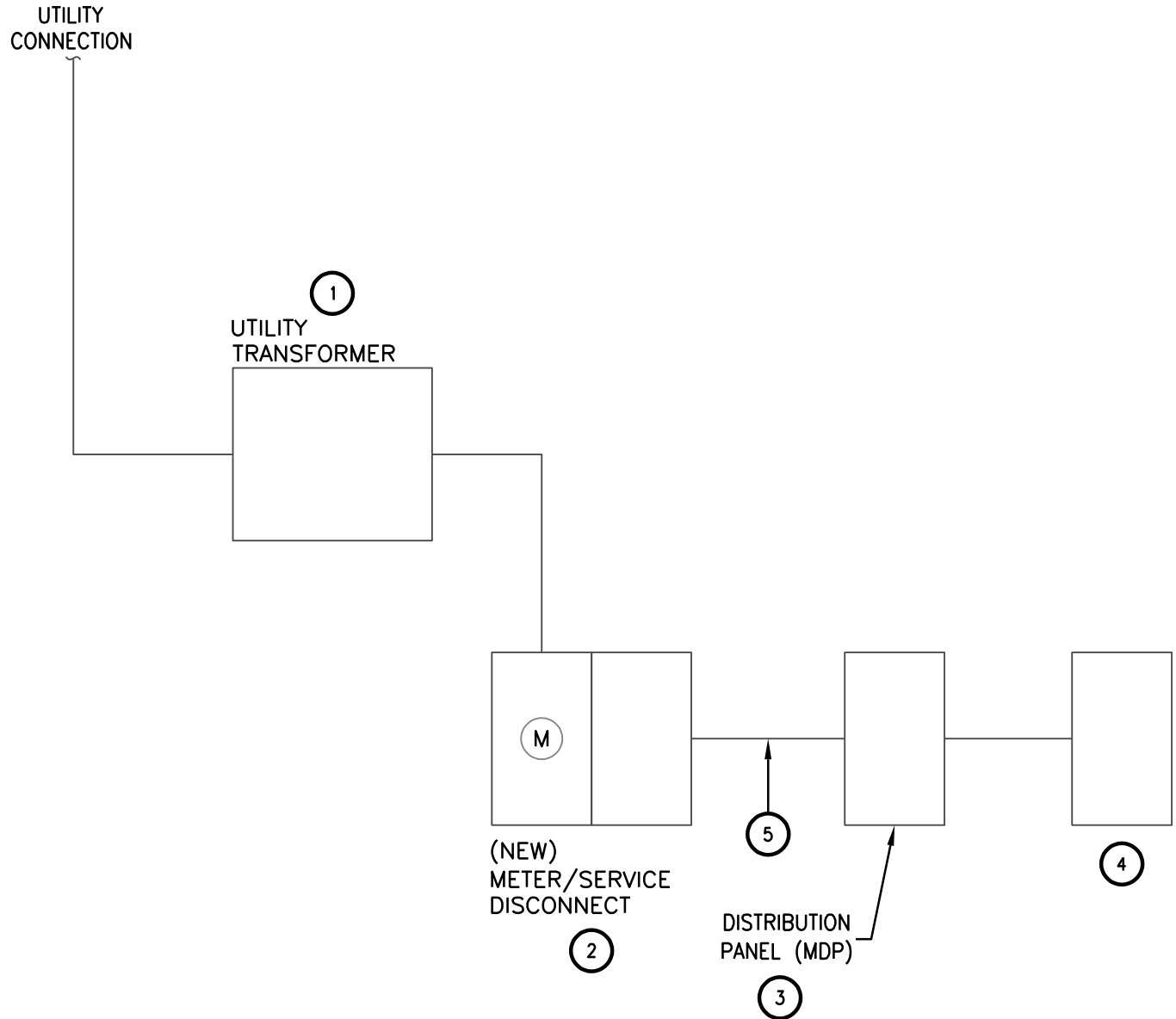
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LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE: FL1
MANUFACTURER: SITECO USA
MAKE/MODEL: SI-FLOOD MAXI PRO PL33T SERIES
LUMEN OUTPUT: 162,010 LM, 5,700K, 1,251W
CRI: RA-70
VOLTAGE: 240V

NOTE: COORDINATE WITH LIGHTING MANUFACTURER FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

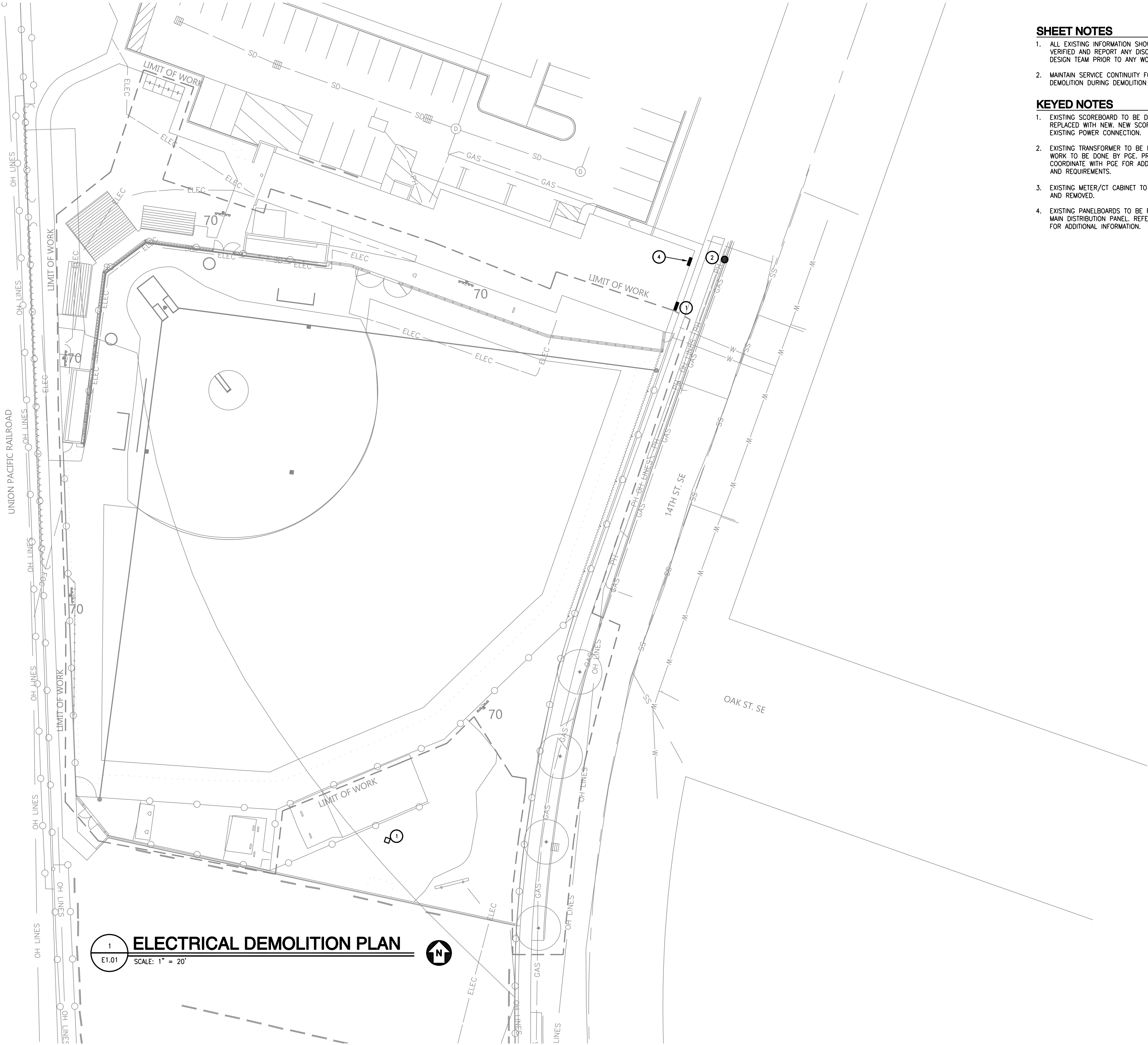


NOTE: UTILITY AND POWER DISTRIBUTION SCOPE TO BE DETERMINED PENDING COORDINATION WITH UTILITY COMPANY.

KEYED NOTES: ONE-LINE DIAGRAM

1. EXISTING TRANSFORMER TO BE REPLACED WITH NEW. TRANSFORMER AND WORK TO BE DONE BY PGE. PROJECT CONTRACTOR TO COORDINATE WITH PGE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. EXISTING METER/CT CABINET TO BE DISCONNECTED AND REPLACED WITH NEW.
3. PROVIDE NEW 225A, 208/120V, 1-PHASE MAIN DISTRIBUTION PANEL (MDP).
4. EXISTING PANELBOARD TO REMAIN AND REFed FROM NEW MDP. EXTEND EXISTING FEEDERS TO NEW MDP.
5. PROVIDE (2) #4/0, (1) #4GND IN 2" CONDUIT.

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SHEET NOTES

1. ALL EXISTING INFORMATION SHOWN TO BE FIELD VERIFIED AND REPORT ANY DISCREPANCIES TO THE DESIGN TEAM PRIOR TO ANY WORK.
2. MAINTAIN SERVICE CONTINUITY FOR AREA OUTSIDE OF DEMOLITION DURING DEMOLITION WORK.

KEYED NOTES

1. EXISTING SCOREBOARD TO BE DISCONNECTED AND REPLACED WITH NEW. NEW SCOREBOARD TO UTILIZED EXISTING POWER CONNECTION.
2. EXISTING TRANSFORMER TO BE REPLACED WITH NEW. WORK TO BE DONE BY PGE. PROJECT CONTRACTOR TO COORDINATE WITH PGE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. EXISTING METER/CT CABINET TO BE DISCONNECTED AND REMOVED.
4. EXISTING PANELBOARDS TO BE RE-FED FROM NEW MAIN DISTRIBUTION PANEL. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.

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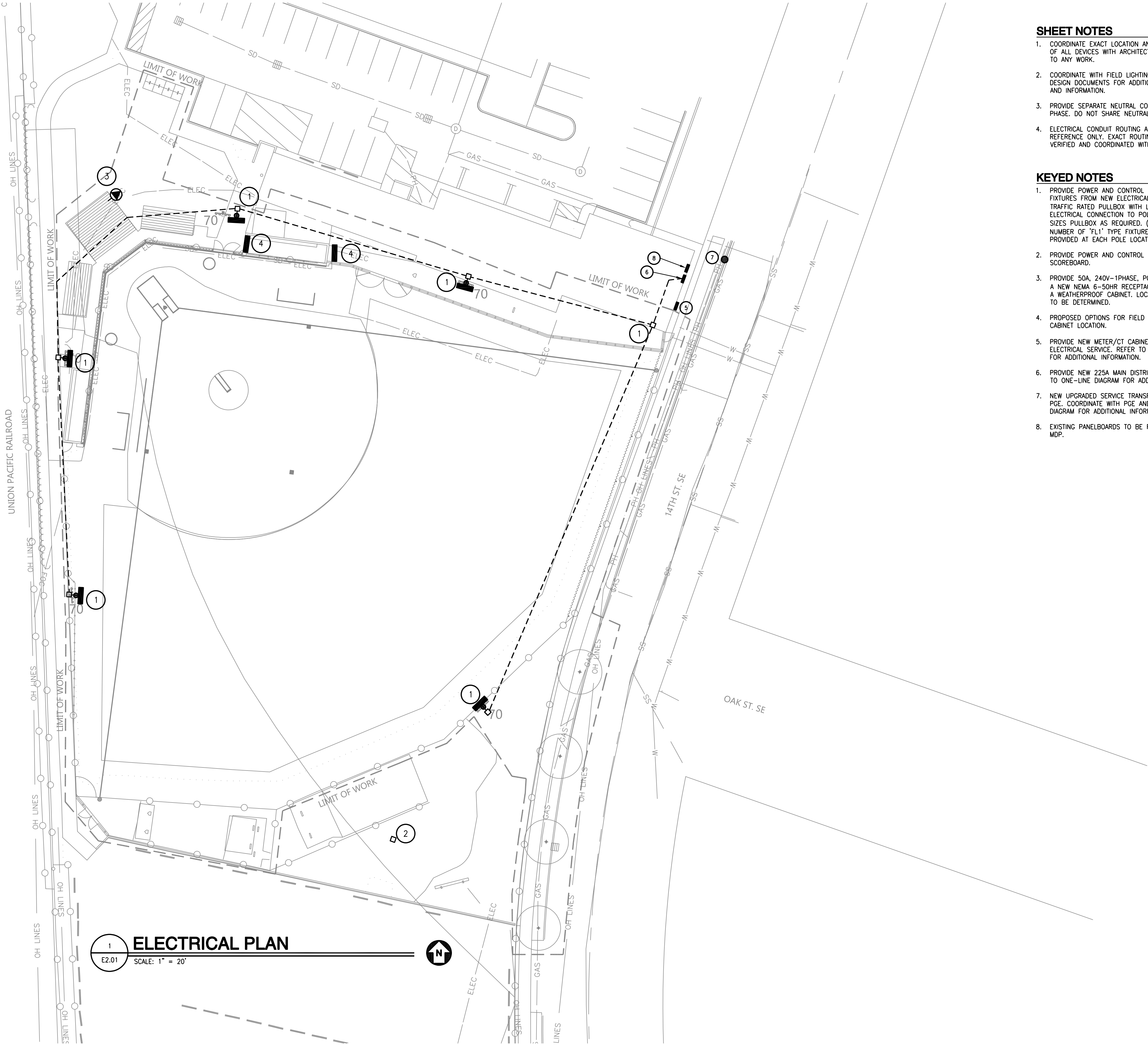
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- SHEET NOTES
1.

COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ANY WORK.
2.

COORDINATE WITH FIELD LIGHTING MANUFACTURER DESIGN DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
3.

PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH PHASE. DO NOT SHARE NEUTRAL.
4.

ELECTRICAL CONDUIT ROUTING ARE SHOWN FOR REFERENCE ONLY. EXACT ROUTING TO BE FIELD VERIFIED AND COORDINATED WITH ALL SITE CONDITIONS.

- KEYED NOTES
1.

PROVIDE POWER AND CONTROL CONNECTIONS TO LIGHT FIXTURES FROM NEW ELECTRICAL PANEL. PROVIDE TRAFFIC RATED PULLBOX WITH LID/COVER FOR ELECTRICAL CONNECTION TO POLE LIGHT FIXTURES. SIZES PULLBOX AS REQUIRED. (#) REPRESENTS THE NUMBER OF 'FL1' TYPE FIXTURES THAT ARE BEING PROVIDED AT EACH POLE LOCATION.
2.

PROVIDE POWER AND CONTROL CONNECTIONS TO NEW SCOREBOARD.
3.

PROVIDE 50A, 240V-1PHASE, POWER CONNECTION TO A NEW NEMA 6-50HR RECEPTACLE/CONNECTION WITH A WEATHERPROOF CABINET. LOCATION AND MOUNTING TO BE DETERMINED.
4.

PROPOSED OPTIONS FOR FIELD LIGHTS CONTROL CABINET LOCATION.
5.

PROVIDE NEW METER/CT CABINET FOR NEW UPGRADED ELECTRICAL SERVICE. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
6.

PROVIDE NEW 225A MAIN DISTRIBUTION PANEL. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
7.

NEW UPGRADED SERVICE TRANSFORMER PROVIDED BY PGE. COORDINATE WITH PGE AND REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
8.

EXISTING PANELBOARDS TO BE RE-FED FROM NEW MDP.

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