

DRAWINGS FOR:

MARIETTA BUILDING H CONSTRUCTION

3365 MARIETTA STREET SE
SALEM, OR 97317

FOR:

JORDAN SPARKS

3311 MARIETTA STREET SE

SALEM, OR 97317

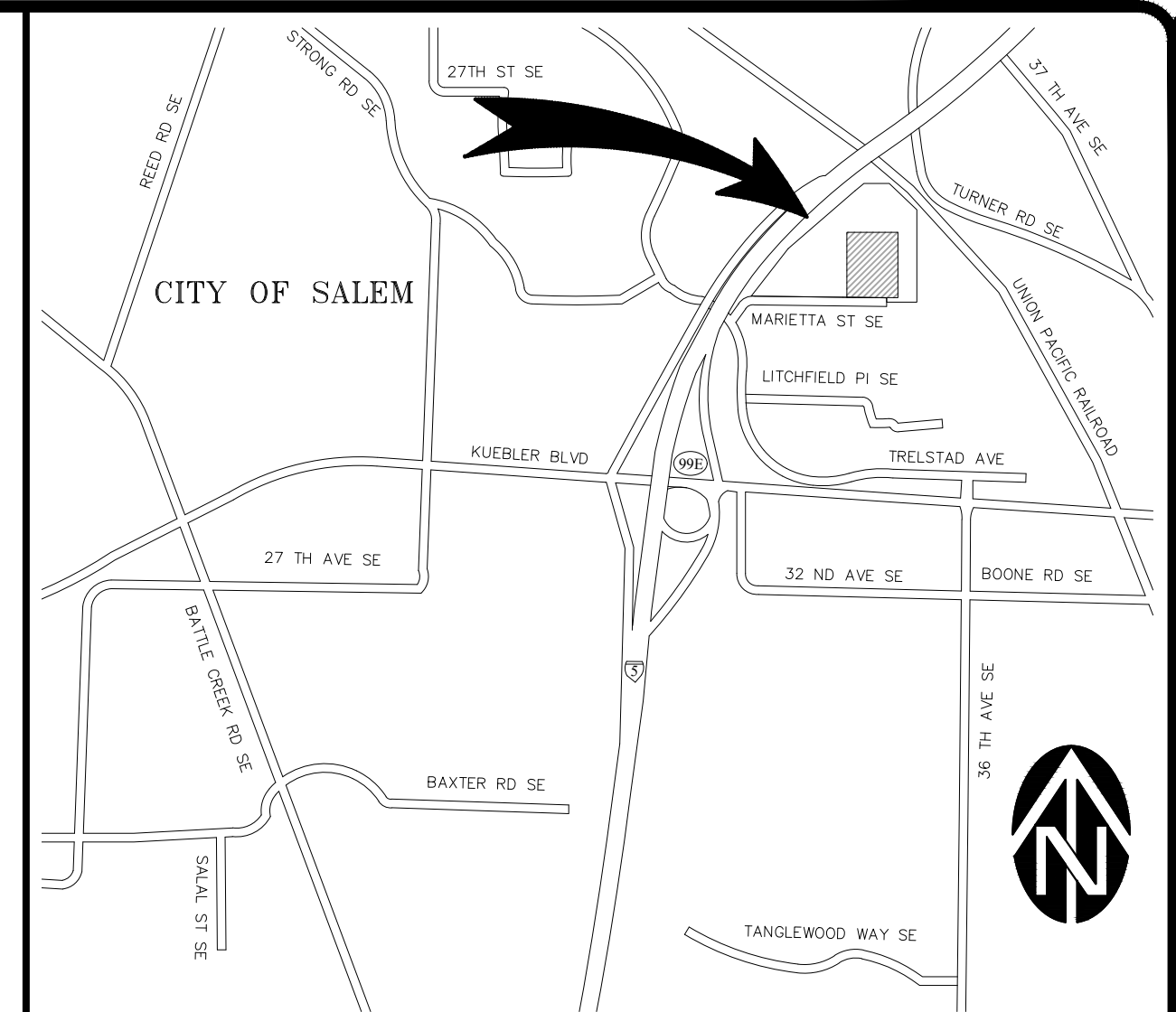
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DRAWING INDEX


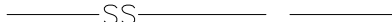











































| DWG | TITLE |
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| C0.0 | COVER SHEET, INDEX, & VICINITY MAP |
| C0.1 | CONSTRUCTION NOTES |
| C0.2 | CONSTRUCTION NOTES |
| C1.0 | OVERALL EXISTING CONDITIONS & EROSION CONTROL PLAN |
| C1.1 | EXISTING CONDITIONS & EROSION CONTROL PLAN (NORTHWEST) |
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| C5.1 | CIVIL DETAILS |
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PROJECT LOCATION

TAX LOT 1300, NE 1/4 SECTION 12,
T.8.S, R.3.W, W.M.



VICINITY MAP

| GENERAL LEGEND | | |
|------------------------|---|---|
| ITEM | PROPOSED | EXISTING |
| SANITARY SEWER |  |  |
| STORM DRAIN |  |  |
| WATER |  |  |
| GAS |  |  |
| TELEPHONE |  |  |
| POWER |  |  |
| FENCE |  |  |
| BARRICADE |  |  |
| TELEPHONE MANHOLE | |  |
| TELEPHONE PEDESTAL | |  |
| SANITARY SEWER MANHOLE |  |  |
| STORM DRAIN MANHOLE |  |  |
| CATCH BASIN |  |  |
| FIRE HYDRANT AND VALVE |  |  |
| WATER METER |  |  |
| WATER VALVE |  |  |
| POWER POLE |  |  |
| POWER POLE W/ANCHOR |  |  |
| POLE W/LUMINARE | |  |
| LIGHT POLE |  |  |
| SIGN POST |  |  |
| MAILBOX |  |  |
| HEDGE OR BRUSH |  |  |
| TREES |  |  |

DISCLAIMER: UTILITIES DEPICTED ARE BASED ON EVIDENCE FOUND IN THE FIELD, MUNICIPALITY AND/OR OTHER GOVERNMENT ENTITY AS-BUILT PLANS, CONTRACTOR PLANS AND OTHER DOCUMENTS OF RECORD. BARKER SURVEYING ASSUMES NO RESPONSIBILITY FOR UTILITIES THAT ARE NO LONGER IN USE, INSTALLED BEFORE THE DATE OF ACTUAL SURVEY, NOT IDENTIFIED OR NOT LOCATED. THIS INCLUDES UTILITIES UPON PUBLIC OR PRIVATE PROPERTY.

SPECIFIC UTILITY POSITIONS INDICATED ON THE GROUND SURFACE PROVIDED BY LOCATION SERVICES MAY VARY DUE TO UNDERGROUND DETECTION CAPABILITIES.

Know what's below.
Call before you dig.

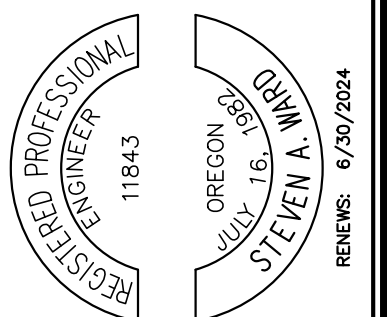
DESIGNATION COS PID 471111

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N G V D      2 9
ELEV: 267.10

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"SW CORNER OF BRIDGE ON KUEBLER BLVD. SE OVER
SOUTHERN PACIFIC RR, 30' EAST OF WEST END BRIDGE RAIL.
4" NORTH OF SOUTH RAIL. MARKER ALUMINUM CAP"

[illegible]

WESTECH ENGINEERING, INC.
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JORDAN SPARKS
BUILDING H CONSTRUCTION
COVER SHEET, INDEX
& VICINITY MAP

DRAWING
C0.0

JOB NUMBER
2822.0000.0

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GENERAL NOTES

1. Contractor shall procure, pay all costs for, and conform to all construction permits required by the City of Salem.
2. Owner to pay all project permit costs, including but not limited to utility tapping, TV, and chlorination costs. The Contractor shall coordinate with the Approving Agency to determine appropriate fees and provide the Owner with 48 hours notice prior to the required payment of fees or costs.
3. Oregon law requires the Contractor to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. Obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 503-232-1987).
4. Contractor to notify City, ODOT and all utility companies a minimum of 48 business hours (2 business days) prior to start of construction, and comply with all other notification requirements of the Approving Agency with jurisdiction over the work.
5. Contractor shall procure a right-of-entry permit from ODOT State Highway Division for all work within the State right-of-way and conform to all conditions of the permit.
6. Contractor shall provide all bonds and insurance required by public and/or private agencies having jurisdiction. Where required by public and/or private agencies having jurisdiction, the Contractor shall submit a suitable maintenance bond prior to final payment.
7. For City Construction Permits, contact Salem Public Works Engineering Construction Management at 588-6211. For City Building Permits, contact Salem Permit Application Center at 588-6256.
8. Contractor to apply and pay (Owner to Reimburse) for services at the Permit Application Center (PAC office) for work to be done by City forces on public mains.
9. All materials and workmanship for facilities in street right-of-way or easements shall conform to Approving Agencies' construction specifications wherein each has jurisdiction, including but not limited to the City, Oregon Health Division (OHD) and the Oregon Department of Environmental Quality (DEQ).
10. Unless otherwise approved by the Public Works Director, construction of all public facilities shall be done between 7:00 a.m. and 6:00 p.m., Monday through Saturday.
11. The Contractor shall perform all work necessary to complete the project in accordance with the approved construction drawings including such incidentals as may be necessary to meet the Approving Agencies' requirements and provide a completed project.
12. Any inspection by the City or other Approving Agency shall not, in any way, relieve the Contractor from any obligation to perform the work in strict compliance with the contract documents, applicable codes, and Approving Agency requirements.
13. Contractor shall maintain one complete set of approved drawings on the construction site at all times whereon he will record all approved deviations in construction from the approved drawings, as well as the station locations and depths of all existing utilities encountered. These field record drawings shall be kept up to date at all times and shall be available for inspection by the Approving Agency or Owner's Representative upon request. Failure to conform to this requirement may result in delay in payment and/or final acceptance of the project.
14. Upon completion of construction of all new facilities, Contractor shall submit a clean set of field record drawings containing all as-built information to the Engineer. All information shown on the Contractor's field record drawings shall be subject to verification. If significant errors or deviations are noted, an as-built survey prepared and stamped by a registered professional Land Surveyor shall be completed at the Contractor's expense.
15. Contractor shall procure and conform to DEQ stormwater permit No. 1200C for construction activities where 1 acre or more are disturbed.
16. The contractor shall retain and pay for the services of a registered Civil Engineer and/or Land Surveyor licensed in the State of Oregon to establish construction control and perform initial construction surveys to establish the lines and grades of improvements as indicated on the drawings. Staking for buildings, structures, curbs, gravity drainage pipes/structures and other critical improvements shall be completed using equipment accurate to 0.04 feet horizontally and 0.02 feet vertically, or better. Use of GPS equipment for final construction staking of these critical improvements is prohibited. The registered professional surveyor shall provide the design engineer with copies of all grade sheets for construction staking performed for the project.

TRAFFIC CONTROL

17. Contractor shall erect and maintain barricades, warning signs, traffic cones (and all other traffic control devices required) per City requirements in accordance with the current MUTCD (including Oregon amendments). Access to driveways shall be maintained at all times. All traffic control measures shall be approved and in place prior to any construction activity. Prior to any work in the existing public right-of-way, Contractor shall submit final traffic control plan to the Approving Agency for review and issuance of a Lane Closure or Work in Right-of-Way Permit.
18. Prior to any work in the existing right-of-way, Contractor shall submit final traffic control plan to City of Salem for review and issuance of lane closure permit. Contractor to obtain a lane closure permit before construction starts for any work within the existing public right-of-way, including public street improvements or driveway connections to existing streets.

TESTING AND INSPECTION:

19. For public and private improvements, the Contractor shall be responsible to ensure that all required or necessary inspections are completed by authorized inspectors prior to proceeding with subsequent work which covers or that is dependent on the work to be inspected. Failure to obtain necessary inspection(s) and approval(s) shall result in the Contractor being fully responsible for all problems and/or corrective measures arising from uninspected work.
20. Unless otherwise specified, the attached "Required Testing and Frequency" table outlines the minimum testing schedule for private improvements on the project. This testing schedule is not complete, and does not relieve the Contractor of the responsibility of obtaining all necessary inspections or observations for all work performed, regardless of who is responsible for payment. Cost for retesting shall be borne by the Contractor.

EXISTING UTILITIES & FACILITIES:

21. The location and descriptions of existing utilities shown on the drawings are compiled from available records and/or field surveys. The Engineer or utility companies do not guarantee the accuracy or the completeness of such records. Contractor shall field verify locations and sizes of all existing utilities prior to construction.
22. Utility locations are based on record information and should be field-verified. Call 1-800-332-2344 at least 48 hours prior to construction for on-site locating of utilities.
23. Contractor shall field verify location and depth of all existing utilities where new facilities cross. All utility crossings marked or shown on the drawings shall be potholed using hand tools or other non-invasive methods prior to excavating or boring. Contractor shall be responsible for exposing potential utility conflicts far enough ahead of construction to make necessary grade or alignment modifications without delaying the work. If grade or alignment modification is necessary, Contractor shall notify the Design Engineer, and the Design Engineer or the Owner's Representative shall obtain approval from the Approving Agency prior to construction.
24. The Contractor shall be responsible for locating and marking all existing survey monuments of record (including but not limited to property and street monuments) prior to construction. If any survey monuments are removed, disturbed or destroyed during construction of the project, the Contractor shall retain and pay for the services of a Registered Professional Surveyor licensed in the State of Oregon to reference and replace all such monuments prior to final payment. The monuments shall be replaced within a maximum of 90 days, and the County Surveyor shall be notified in writing as required by per ORS 209.150.
25. All facilities shall be maintained in-place by the Contractor unless otherwise shown or directed. Contractor shall take all precautions necessary to support, maintain, or otherwise protect existing utilities and other facilities at all times during construction. Contractor to leave existing facilities in an equal or better-than-original condition and to the satisfaction of the Approving Agency and Owner's Representative.
26. Utilities or interfering portions of utilities that are abandoned in place shall be removed by the Contractor to the extent necessary to accomplish the work. The Contractor shall plug the remaining exposed ends of abandoned utilities after appropriate verification procedures have taken place.
27. Contractor shall remove all existing signs, mailboxes, fences, landscaping, etc., as required to avoid damage during construction and replace them to existing or better condition.
28. Unless otherwise approved by the Approving Agency, all field tiles or drain lines intercepted or exposed during construction shall be connected to new storm lines, unless they are removed completely during construction, or are located and plugged at 50 foot maximum intervals uphill of the location intercepted. Any abandoned drain tiles downstream of the intercepting trenches shall be plugged with grout.
29. The Contractor shall be responsible for managing construction activities to ensure that public streets and right-of-ways are kept clean of mud, dust or debris. Dust abatement shall be maintained by adequate watering of the site by the Contractor.

GRADING, PAVING & DRAINAGE:

30. All materials and workmanship for compaction, fills, grading, rocking and paving within the public right-of-way shall conform to City of Salem Standard Construction Specifications.
31. Unless otherwise noted, all grading, rocking and paving to conform to Oregon Standard Specifications for Construction (OSSC/ODOT/APWA), 2008 edition.
32. Clear and grub within work limits all surface vegetation, trees, stumps, brush, roots, etc. Do not damage or remove trees except as approved by the Owner's Representative or as shown on the drawings. Protect all roots two inches in diameter or larger.
33. Strip work limits, removing all organic matter, which cannot be compacted into a stable mass. All trees, brush, and debris associated with clearing, stripping or grading shall be removed and disposed of off-site.
34. For public and private improvements, except as otherwise allowed by the specifications required by Salem Standard Construction Specifications, drawing details or notes, immediately following stripping and grading operations, compact subgrade to 92% of the maximum dry density per AASHTO T-180 test method (Modified Proctor). Subgrade must be inspected and approved by the Owner's authorized representative before placing, engineered fills or fine grading for base rock.

35. Unless otherwise required by Salem Standard Construction Specifications, Engineered fills shall be constructed and compacted in 6" lifts over approved subgrade. All fills shall be engineered and comply with the Oregon Structural Specialty Code, with each lift compacted to 92% of the maximum dry density per AASHTO T-180 test method (Modified Proctor).
36. For private improvements, unless otherwise required by Salem Standard Construction Specifications, Granular baserock shall conform to the requirements of OSSC (ODOT/APWA) 02630.10 (Dense Graded Base Aggregate), with no more than 10% passing the #40 sieve and no more than 5% passing the #200 sieve.
37. Compact granular baserock to 92% of the maximum dry density per AASHTO T-180 test method (Modified Proctor). Written baserock compaction test results from an independent testing laboratory must be received by the Owner's authorized representative before placing AC pavement, and a finished rock grade proof-roll (witnessed by the Owners authorized representative) must be performed.
38. For private improvements, unless otherwise required by Salem Standard Construction Specifications, A.C. pavement shall conform to OSSC (ODOT/APWA) 00745 (Hot Mixed Asphalt Concrete Pavement) for standard duty mix. Unless otherwise specified or shown on the drawings, base lifts shall be 3/4" dense graded mix, while wearing courses shall be 1/2" dense graded mix. Unless otherwise specified or shown on the drawings, A.C. pavement for parking lots and streets shall be Level 2 mix (50 blow Marshall) per OSSC (ODOT/APWA) 00744.13. A.C. Pavement shall be compacted to a minimum of 91% of maximum density as determined by the Rice standard method. Written AC pavement compaction test results from an independent testing laboratory must be received by the Owner's authorized representative before final payment.
39. Pavement surface shall be a smooth, well-sealed, tight mat without depressions or bird baths. Bony or open graded pavement surfaces shall be repaired to the satisfaction of the Owner's authorized representative, prior to final acceptance of the work.
40. For private improvements, unless otherwise required by Salem Standard Construction Specifications, HMAc mixtures shall be placed only when the surface is dry and weather conditions are such that proper handling, finishing and compaction can be accomplished. In no case shall bituminous mixtures be placed when the surface temperature is below the minimum established under 2008 OSSC (ODOT/APWA) 00744.40 (AC - Season and Temperature Limitations) or the project specifications, whichever is more stringent.
41. Contractor shall protect new pavement against traffic as required, until it has cooled sufficiently to avoid tracking.
42. For parking lots or private access drives, the final lift of AC pavement shall not be placed until after the building is fully enclosed and weatherproof, unless otherwise approved by the Owner's authorized representative.
43. Unless otherwise shown on the drawings or details, straight grades shall be run between all finish grade elevations and/or finish contour lines shown (exception: where grades shown cross sidewalks, slopes shall be adjusted to ensure that maximum allowable sidewalk cross slopes are not exceeded).
44. Finish pavement grades at transition to existing pavement shall match existing pavement grades or be feathered past joints with existing pavement as required to provide a smooth, free draining surface.
45. All existing or constructed manholes, cleanouts, monument boxes, gas valves, water valves and similar structures shall be adjusted to match finish grade of the pavement, sidewalk, landscaped area or median strip wherein they lie. Verify that all valve boxes and risers are clean and centered over the operating nut.
46. Unless otherwise shown on the drawings, no cut or fill slopes shall be constructed steeper than 3H:1V.
47. All planter areas shall be backfilled with approved topsoil minimum 8" thick. Stripping materials shall not be used for planter backfill.
48. Contractor shall seed and mulch (uniformly by hand or hydroseed) all exposed slopes and disturbed areas which are not scheduled to be landscaped, including trench restoration areas. If the Contractor fails to apply seed and mulch in a timely manner during periods favorable for germination, or if the seeded areas fail to germinate, the Owner Representative may (at his discretion) require the Contractor to install sod to cover such disturbed areas.
49. Grading shown on the drawings is critical to functioning of detention system and shall be strictly followed.
50. Contractor shall coordinate and ensure that detention pond volumes are inspected and approved by public agencies having jurisdiction before paving and landscaping.

CURBS & SIDEWALKS:

51. Unless otherwise shown or indicated on the drawings, 6-inches nominal curb exposure used for design of all parking lot and street grades.
52. Where new curbing connects to existing curbing or is installed along existing streets or pavement, the gutter grade shall match the existing street grades so as to allow drainage from the street to the gutter and through any transitions. The Contractor shall notify the Owner's Representative in writing of any grade discrepancies or problems prior to curb placement.

53. Road widening design is based on available survey taken at random intervals. Street pavement widening cross slope shall be a minimum of 2% and a maximum of 5% except at intersections, where the street cross slopes shall not exceed 2% maximum (intersection defined from end of curb radius both directions). Prior to placing curbs, Contractor shall field verify pavement widening cross slope and contact Engineer if the design pavement widening cross slope is not within the limits stated above.
54. Contractor shall construct all handicap access ramps in accordance with current ADA requirements.
55. Sidewalks shall be a minimum of 4-inches thick and standard residential driveways shall be a minimum of 6-inches thick. Commercial use driveways and alley approaches shall be minimum 8-inches thick. All curbs, sidewalks and driveways shall be constructed using 3300-psi concrete, and shall be cured with Type 1 or Type 1D clear curing compound. All sidewalks shall be ADA compliant.
56. Curb & sidewalk concrete shall be placed only during periods when it will not be damaged by rain (protect unhardened concrete from precipitation). Concrete shall not be placed on frozen baserock. Do not begin concrete placement until temperature in the shade is a minimum of 35°F and rising, and stop placement if air temperature falls below 35°F. Protect concrete from freezing for a minimum of 5 days after placement per OSSC (ODOT/APWA) 0000440.40.d & 00756.40 or the project specifications, whichever is more stringent.
57. Contraction joints shall be installed directly over any pipes that cross under the sidewalk, to control cracking. In general, cracks in new curbs or sidewalks (at locations other than contraction joints) are not acceptable, and cracked panels shall be removed & replaced unless otherwise approved by the Approving Agency and the design engineer.
58. All sidewalks shall be ADA compliant. Direction of sidewalk cross slope shall conform with the slope direction shown on the grading plan. Sidewalk cross slopes shall not exceed 1:67 (1.5%) nor be less than 1%. Longitudinal slope shall not exceed 1:20 (5%).
59. Where trench excavation requires removal of PCC curbs and/or sidewalks, the curbs and/or sidewalks shall be sawcut and removed at a tooled joint unless otherwise authorized in writing by the Approving Agency. The sawcut lines shown on the drawings are schematic and not intended to show the exact alignment of such cuts.
60. Unless otherwise shown on the drawings, areas along curbs and sidewalks shall be backfilled with approved topsoil, as well as being seeded and mulched (or hydroseeded).

PIPED UTILITIES:

61. All tapping of existing sanitary sewer, storm drain mains, and manholes must be done by City forces.
62. All tapping to be done by City of Salem forces. To schedule water/sewer/storm taps call 503/588-6333. Taps are generally available within two business days.
63. The Contractor shall have appropriate equipment on site to produce a firm, smooth, undisturbed subgrade at the trench bottom, true to grade. The bottom of the trench excavation shall be shall be smooth, free of loose materials or tooth grooves for the entire width of the trench prior to placing the granular bedding material.
64. All pipes shall be bedded with minimum 6-inches of 3/4"-0 crushed rock bedding and backfilled with compacted 3/4"-0 crushed rock in the pipe zone (crushed rock shall extend a minimum of 12-inches over the top of the pipe in all cases). Unless CDF or other backfill is shown or noted on the drawings, crushed rock trench backfill shall be used under all improved areas, including pavement, sidewalks, foundation slabs, buildings, etc.
65. Granular trench bedding and backfill shall conform to the requirements of OSSC (ODOT/APWA) 02630.10 (Dense Graded Base Aggregate), 3/4"-0. Unless otherwise shown on the drawings, compact granular backfill to 92% of the maximum dry density per AASHTO T-180 test method (Modified Proctor).
66. Contractor shall arrange to abandon existing sewer and water services not scheduled to remain in service in accordance with approving agency requirements.
67. All piped utilities abandoned in place shall have all openings closed with concrete plugs with a minimum length equal to 2 times the diameter of the abandoned pipe.
68. The end of all utility service lines shall be marked with a 2-x-4 painted white and wired to pipe stub. The pipe depth shall be written on the post in 2" block letters.
69. All non-metallic water, sanitary and storm sewer piping shall have an electrically conductive insulated 12 gauge solid core copper tracer wire the full length of the installed pipe using blue wire for water and green wire for storm and sanitary piping. Tracer wire shall be extended up into all valve boxes, catch basins, manholes and lateral cleanout boxes. Tracer wire penetrations into manholes shall be within 18 inches of the rim elevation and adjacent to manhole steps. The tracer wire shall be tied to the top manhole step or otherwise supported to allow retrieval from the outside of the manhole. All tracer wire splices shall be made with waterproof splices or waterproof/corrosion resistant wire nuts.
70. No trenches in sidewalks, roads, or driveways shall be left in an open condition overnight. All such trenches shall be closed before the end of each workday and normal traffic and pedestrian flows restored.

71. Before mandrel testing, TV inspection or final acceptance of gravity pipelines, all trench compaction shall be completed and all sewers and storm drains flushed & cleaned to remove all mud, debris & foreign material from the pipelines, manholes and/or catch basins.
72. Where future extensions are shown upstream of new manholes (sewer or storm), catch basins or junction boxes, pipe stubs (with gasketed caps) shall be installed at design grades to a point 2' minimum outside of the structure.

WATER SYSTEM:

73. City forces to operate all valves, including fire hydrants, on existing public mains.
74. All public water mains shall be class 52 ductile iron.
75. All private water mains shall be Class 52 ductile iron or C-900 PVC (DR 18).
76. All fittings 4-inches through 24-inches in diameter shall be ductile iron fittings in conformance with AWWA C-153 or AWWA C-110. The minimum working pressure for all MJ cast iron or ductile iron fittings 4-inches through 24-inch in diameter shall be 350 psi for MJ fittings and 250 psi for flanged fittings.
77. All water mains to be installed with a minimum 36 inch cover to finish grade unless otherwise noted or directed. Water service lines shall be installed with a minimum 30-inch cover. Deeper depths may be required as shown on the drawings or to avoid obstructions.
78. Unless otherwise shown or approved by the Engineer, all valves shall be flange connected to adjacent tees or crosses.
79. Thrust restraint shall be provided on all bends, tees and other direction changes per Approving Agency requirements and as specified or shown on the drawings.
80. Water service pipe 2-inch and smaller on the public side of the meter shall be Type K soft copper tubing conforming to ASTM B-88. Water service pipe 3-inch and larger shall conform to the construction drawings and approving agency standards.
81. Unless otherwise noted, water service pipe 3-inch and smaller on the private side of the meter shall be Schedule 40 PVC. Water service pipe 4-inches and larger on the private side of the meter shall be ASTM D2241 DR 21 (200 psi), with rubber gaskets conforming to ASTM F477. Unless otherwise specified, private water service piping shall be hydrostatically pressure tested to a minimum of 150% of the maximum static pressure at the site. All materials and workmanship for all private water lines, including water lines located within any building envelope, shall be installed in conformance with Uniform Plumbing Code requirements. All water service pipe on the private side of the meter shall be installed by a licensed plumber in accordance with Uniform Plumbing Code requirements.
82. Domestic and fire backflow prevention devices and vaults shall conform to requirements of public and/or private agencies having jurisdiction. The Contractor shall be responsible for having backflow devices tested and certified prior to final acceptance of the work.
83. Contractor shall provide all necessary equipment and materials (including plugs, blowoffs, valves, service taps, etc.) required to flush, test and disinfect waterlines per the Approving Agency requirements.
84. The work shall be performed in a manner designated to maintain water service to buildings supplied from the existing waterlines. In no case shall service to any main line or building be interrupted for more than four (4) hours in any one-day. Contractor shall notify the Approving Agency and all affected residents and businesses a minimum of 24 business hours (1 business day) before any interruption of service.
85. Where new waterlines cross below or within 18-inches vertical separation above a sewer main or sewer service lateral, center one full length of waterline pipe at point of crossing the sewer line or sewer lateral. In addition (unless otherwise approved in writing by the Approving Agency, existing sewer mains and/or service laterals within this zone shall be replaced with a full length of Class 50 Ductile Iron or C-900 PVC pipe (DR 18) centered at the crossing in accordance with OAR 333-061 and Approving Agency requirements. Connect to existing sewer lines with approved rubber couplings. Example: For an 8-inch waterline with 36-inches cover, 4-inch service lateral inverts within 5.67-feet (68-inches) of finish grade must be DI or C-900 PVC at the crossing.
86. All waterlines, services and appurtenances shall be pressure tested for leakage. All testing shall conform to requirements as outlined in the specifications, Approving Agency standards and/or testing forms. The hydrostatic test shall be performed with all service line corporation stops open and meter stops closed, and with all hydrant line valves open. Prior to the start of each pressure test, the position of all mainline valves, hydrant line valves and service line corporation stops in the test segment shall verified.
87. After the pressure test and prior to disinfecting, the water lines shall be thoroughly flushed through hydrants, blow offs or by other approved means.

VERIFICATION SCALE
BASE IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON DRAWING, SCALE ACCURACLY

1"
0

DSN. SAW
DRN. AR
CHKD. SAW

NO. 1
DATE: AUG. 2022

REGISTERED PROFESSIONAL ENGINEER
11843
OREGON
JULY 16, 2016
STEVEN N. L. CHAN
RENEW: 6/30/2024

JORDAN SPARKS
BUILDING H - CONSTRUCTION

WESTTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS
3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

DRAWING
C0.1

JOB NUMBER
2822.0000.0

CONSTRUCTION NOTES

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R:\Jva\SPARKS-JORDAN\MARIETTA SITE 2822.0000\Civil\Plot\Building H_CONST\CI.1 Overall Existing Conditions.dwg. (Layout)

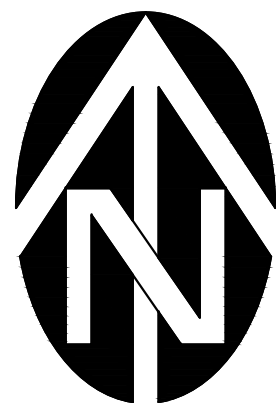
DEMOLITION LEGEND

- (P) CONTRACTOR TO SAVE & PROTECT AT ALL TIMES.
(R) CONTRACTOR TO REMOVE & DISPOSE OFF SITE.
(R1) CONTRACTOR TO RELOCATE.
(R2) CONTRACTOR TO COORDINATE W/ OWNER TO RELOCATE.
(S) SAWCUT.
(A) ABANDON IN PLACE.
(A2) ADJUST TO NEW FINISH GRADE.

EROSION CONTROL LEGEND

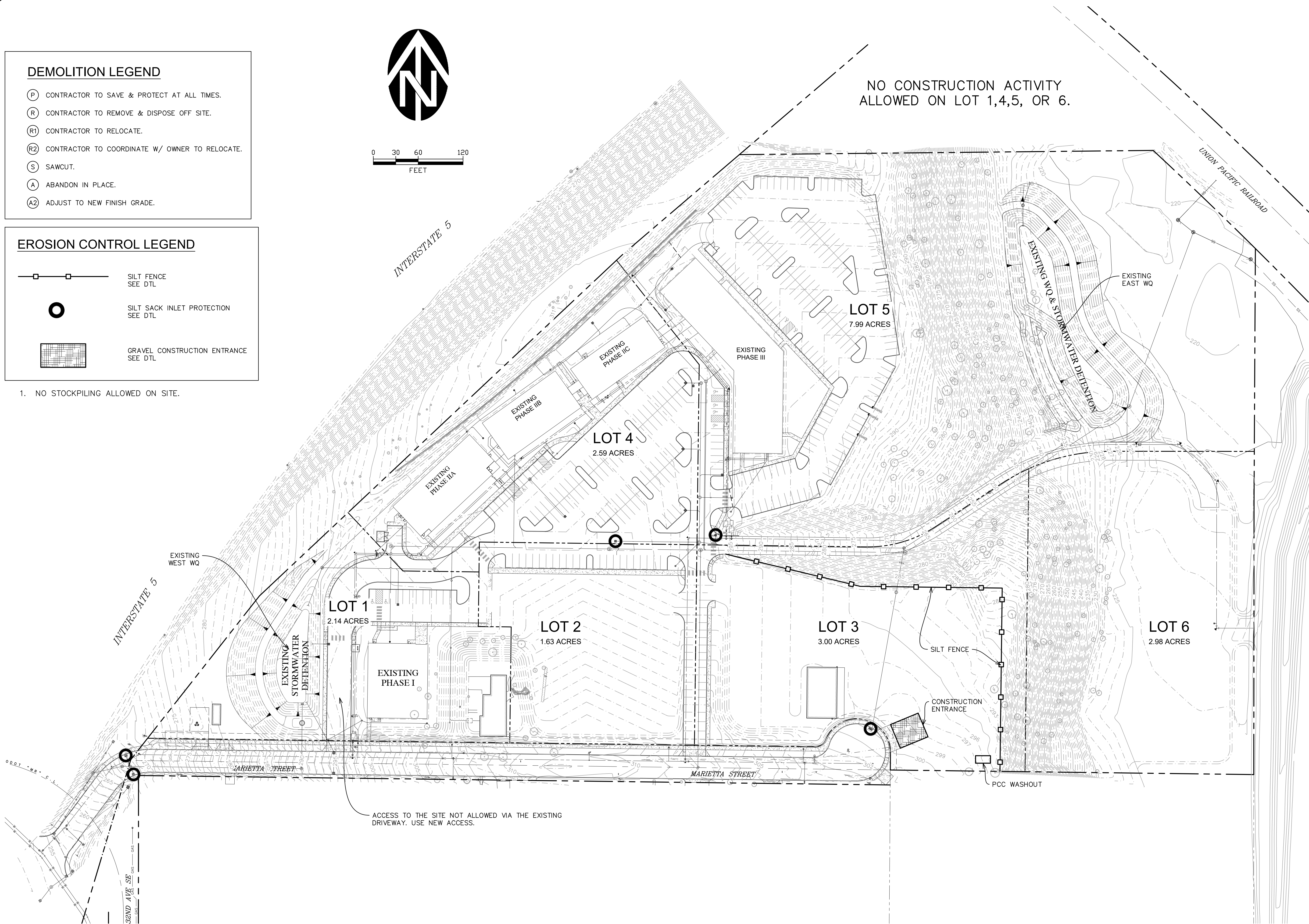
- SILT FENCE
SEE DTL
- SILT SACK INLET PROTECTION
SEE DTL
- GRAVEL CONSTRUCTION ENTRANCE
SEE DTL

1. NO STOCKPILING ALLOWED ON SITE.

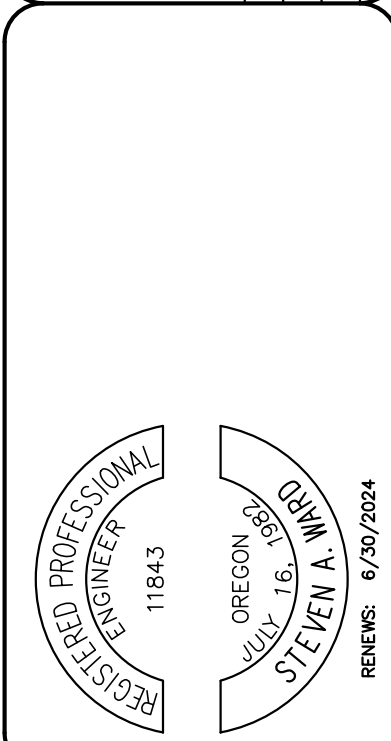


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FEET

NO CONSTRUCTION ACTIVITY
ALLOWED ON LOT 1,4,5, OR 6.



| VERIFY SCALE | DATE | NO. | DATE | DESCRIPTION | BY |
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| BAR IS ONE INCH ON ORIGINAL DRAWING | | | | | |
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| DRN. | AR | 1 | | | |
| CKD. | SAW | | | | |
| DATE: AUG. 2022 | | | | | |



WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS

3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

JORDAN SPARKS
BUILDING H CONSTRUCTION
OVERALL
EXISTING CONDITIONS &
EROSION CONTROL PLAN

DRAWING
C1.0
JOB NUMBER
2822.0000.0

NO CONSTRUCTION ACTIVITY ALLOWED ON LOT 1,4,5, OR 6.

2016-2017 GRADING

LOT 1
2.14 ACRES

LOT 2
1.63 ACRES

LOT 3
3.00 ACRES

CONSTRUCTION ACCESS

MARIETTA STREET

STA 19+77.93
TC=308.68

STA 20+07.93
TC=307.83

DEMOLITION LEGEND

- (P) CONTRACTOR TO SAVE & PROTECT AT ALL TIMES.
- (R) CONTRACTOR TO REMOVE & DISPOSE OFF SITE.
- (R1) CONTRACTOR TO RELOCATE.
- (R2) CONTRACTOR TO COORDINATE W/ OWNER TO RELOCATE.
- (S) SAWCUT.
- (A) ABANDON IN PLACE.
- (A2) ADJUST TO NEW FINISH GRADE.

GRAVEL CONSTRUCTION ENTRANCE
SEE DTL

MATCHLINE - SEE SHEET C1.3 FOR CONTINUATION

2822.0000.0

LE

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Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com



REGISTERED PROFESSIONAL
ENGINEER
11843

OREGON 1982
JULY 16
STEVEN A. WARD

1

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| DSN. | SAW |
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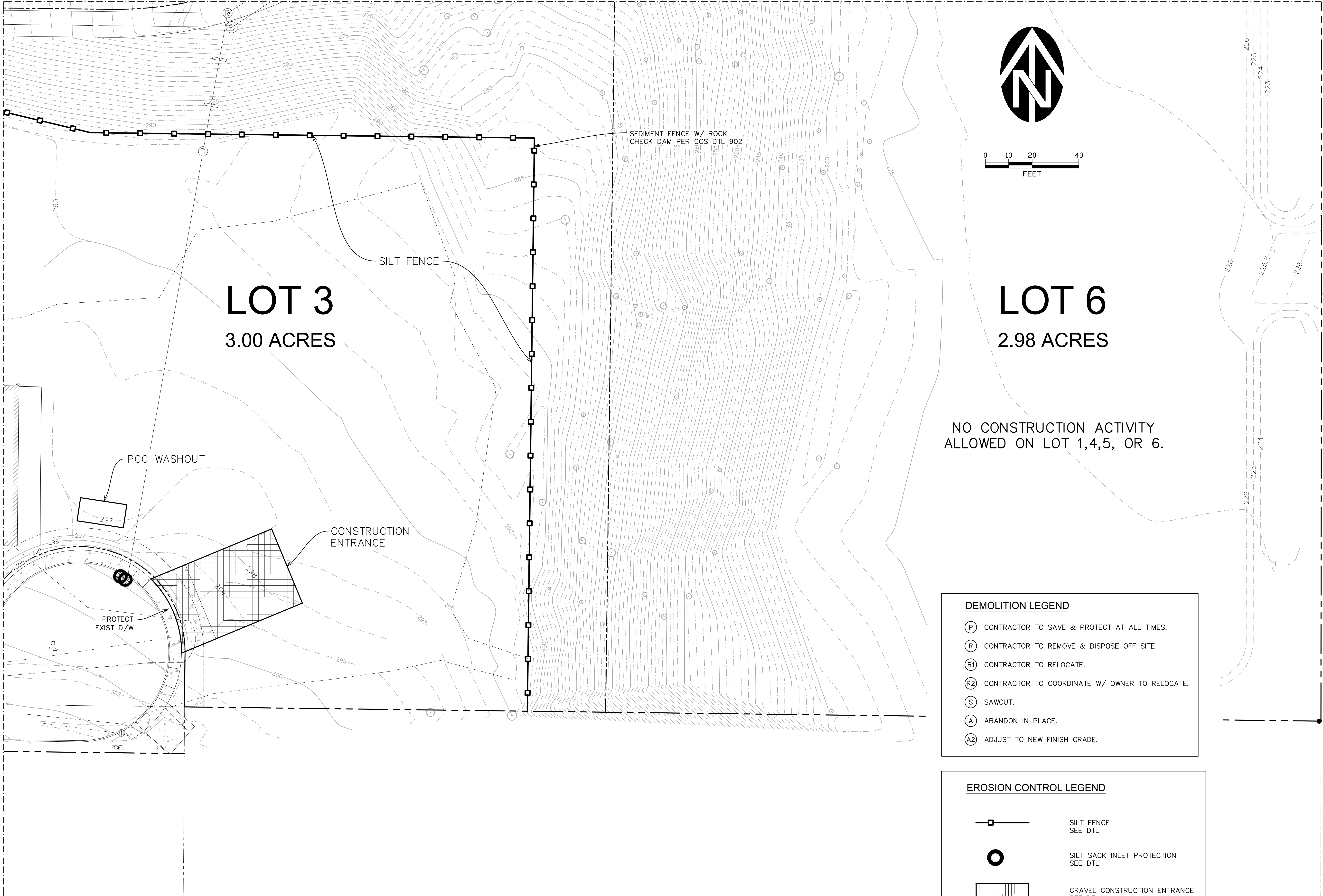
DATE: AUG 2022

REVISIONS

CONCLUSIONS

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MATCHLINE - SEE SHEET C1.4 FOR CONTINUATION






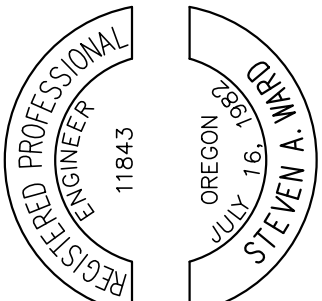
NO CONSTRUCTION ACTIVITY
ALLOWED ON LOT 1,4,5, OR 6.

DEMOLITION LEGEND

- (P) CONTRACTOR TO SAVE & PROTECT AT ALL TIMES.
- (R) CONTRACTOR TO REMOVE & DISPOSE OFF SITE.
- (R1) CONTRACTOR TO RELOCATE.
- (R2) CONTRACTOR TO COORDINATE W/ OWNER TO RELOCATE
- (S) SAWCUT.
- (A) ABANDON IN PLACE.
- (A2) ADJUST TO NEW FINISH GRADE.

EROSION CONTROL LEGEND

- | | |
|---|---|
|  | SILT FENCE SEE DTL |
|  | SILT SACK INLET PROTECTION SEE DTL |
|  | GRAVEL CONSTRUCTION ENTRANCE SEE DTL |



WE

WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS

8441 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

JORDAN SPARKS

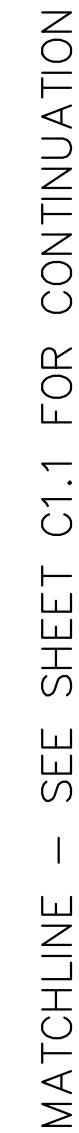
BUILDING H CONSTRUCTION

EXISTING CONDITIONS
& EROSION CONTROL
PLAN (SOUTHEAST)

DRAWING
C1.3

JOB NUMBER
2822.0000.0

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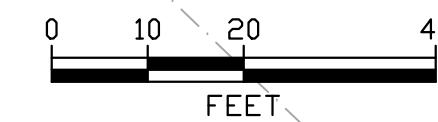
MATCHLINE - SEE SHEET C1.3 FOR CONTINUATION

DEMOLITION LEGEND

- (P) CONTRACTOR TO SAVE & PROTECT AT ALL TIMES.
- (R) CONTRACTOR TO REMOVE & DISPOSE OFF SITE.
- (R1) CONTRACTOR TO RELOCATE.
- (R2) CONTRACTOR TO COORDINATE W/ OWNER TO RELOCATE.
- (S) SAWCUT.
- (A) ABANDON IN PLACE.
- (A2) ADJUST TO NEW FINISH GRADE.

EROSION CONTROL LEGEND

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LOT 5
7.99 ACRES

NO CONSTRUCTION ACTIVITY
ALLOWED ON LOT 1,4,5, OR 6.

LOT 6
2.98 ACRES

JORDAN SPARKS

JORDAN SPANNS
BUILDING H CONSTRUCTION
EXISTING CONDITIONS
& EROSION CONTROL
PLAN (NORTHEAST)

DRAWING
C1.4

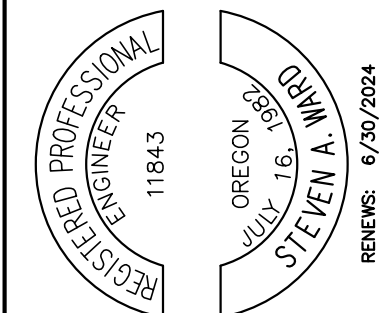
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2822.0000.0

WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS



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Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

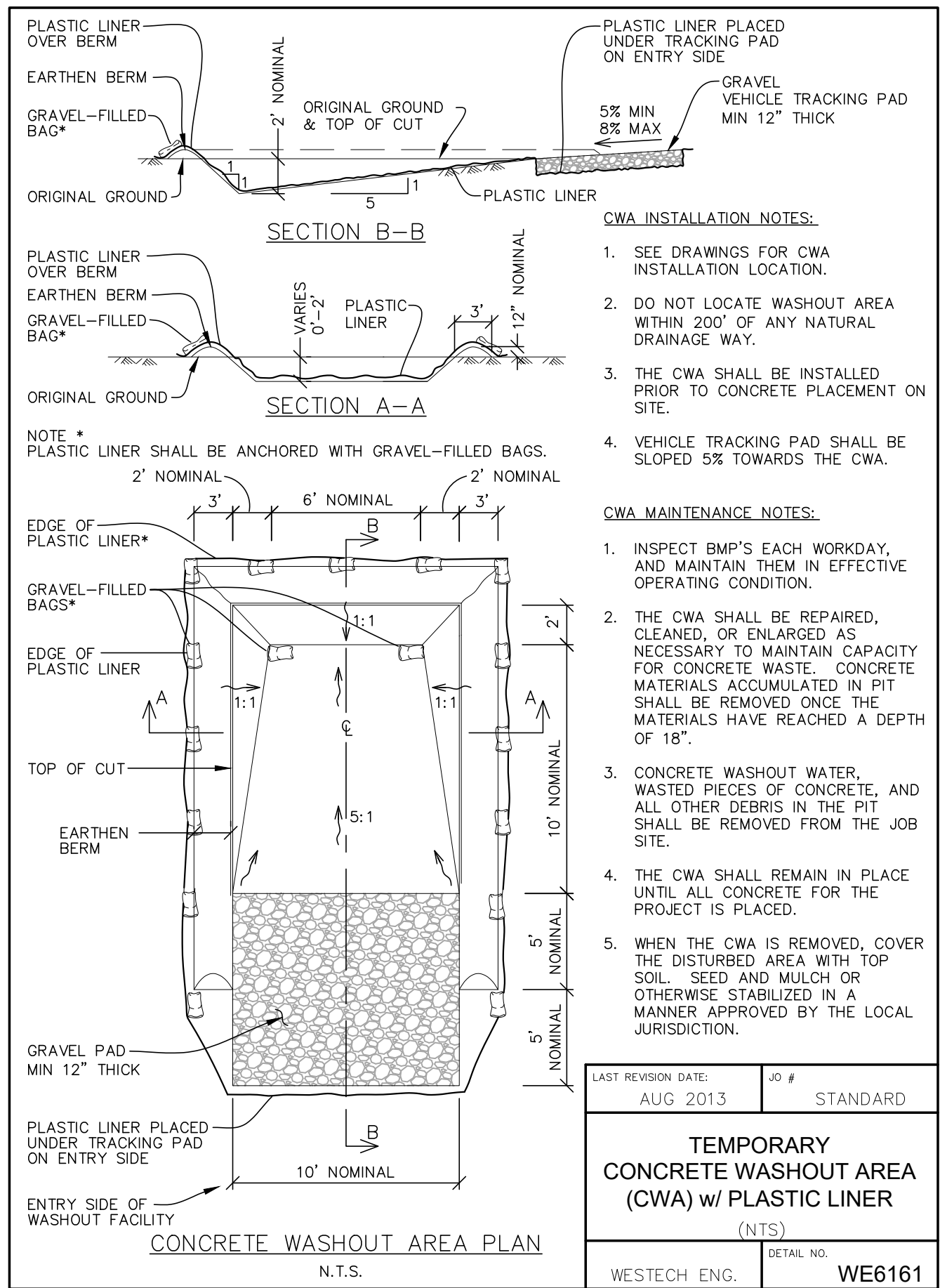
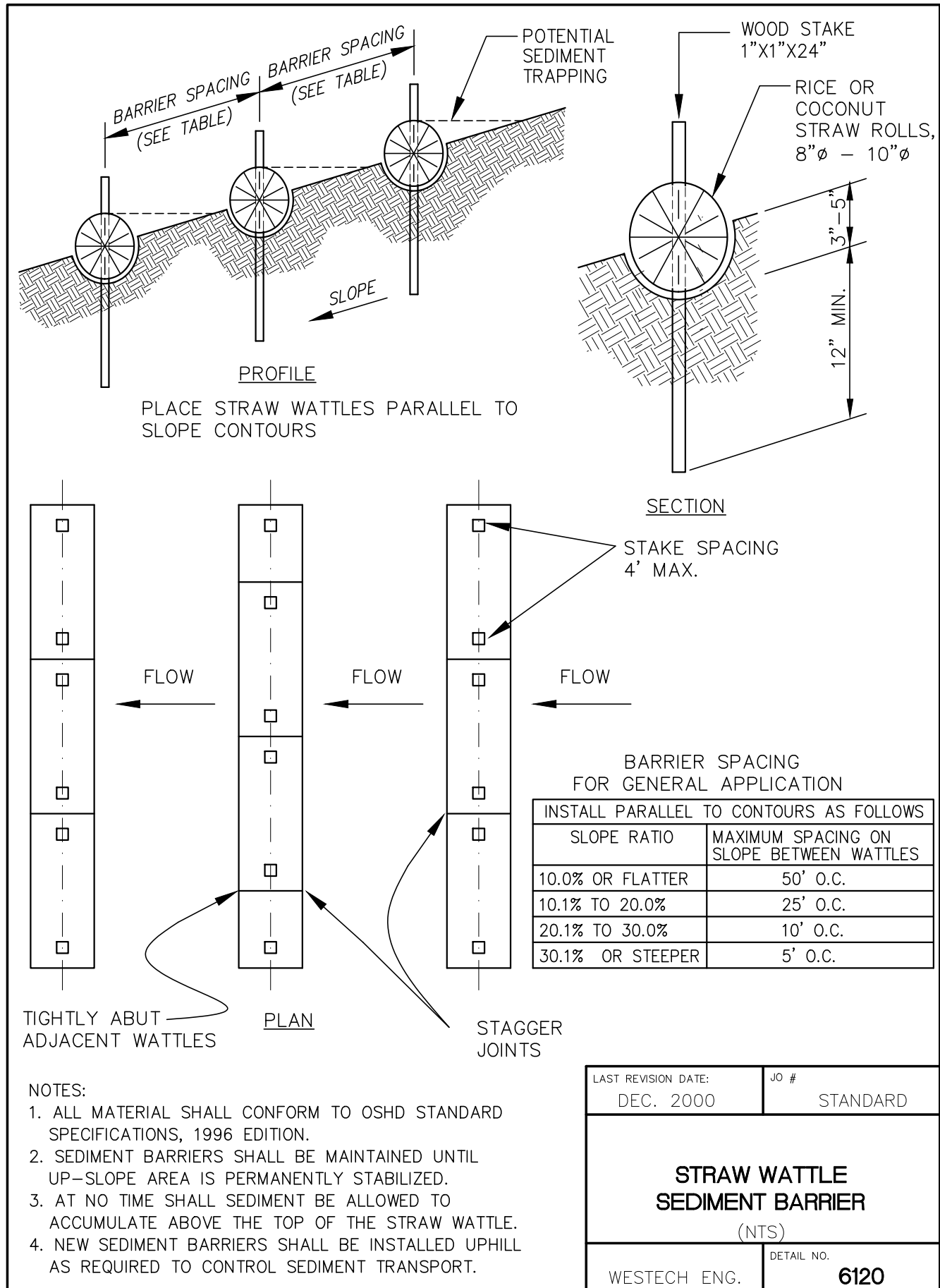
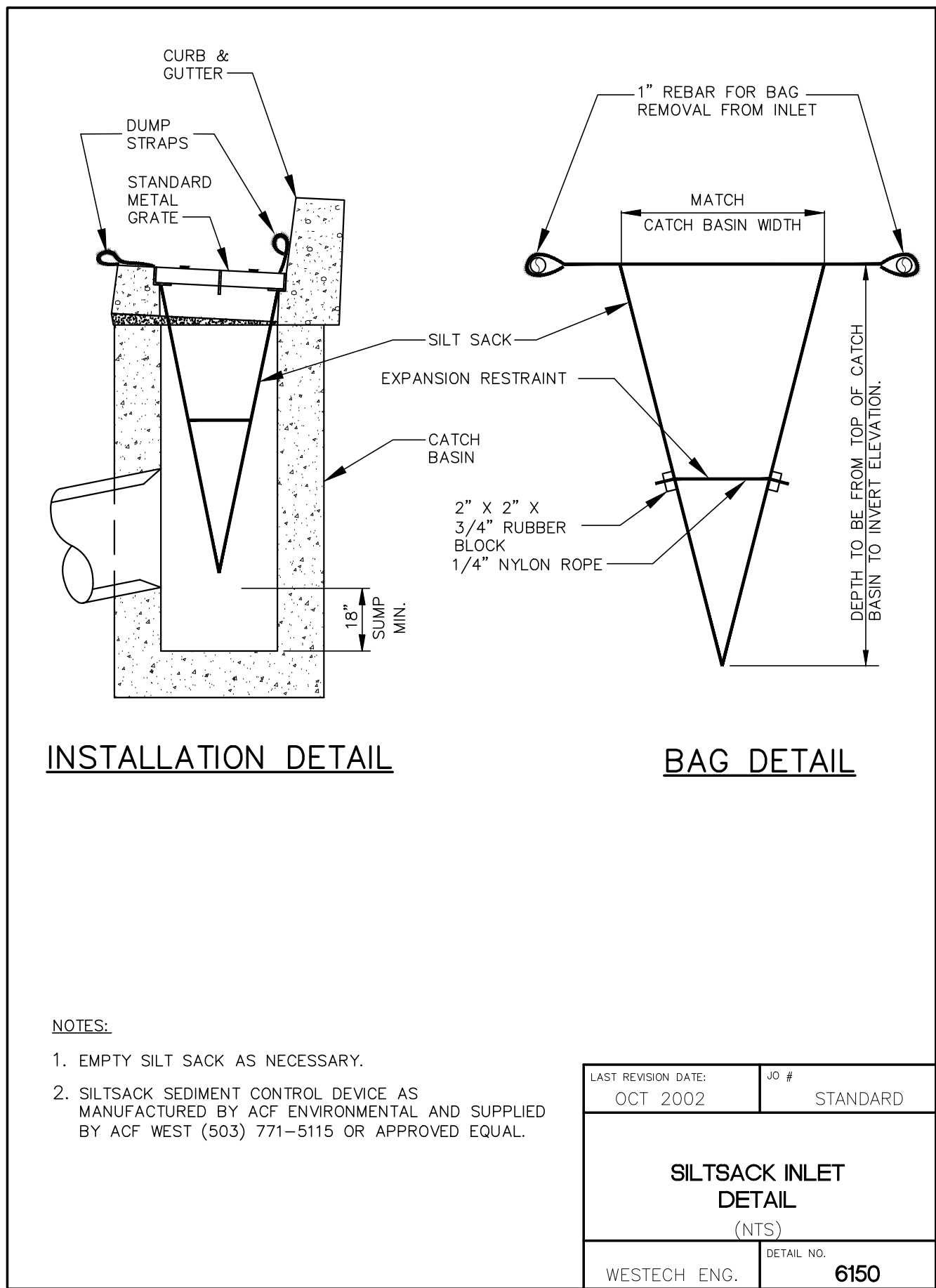
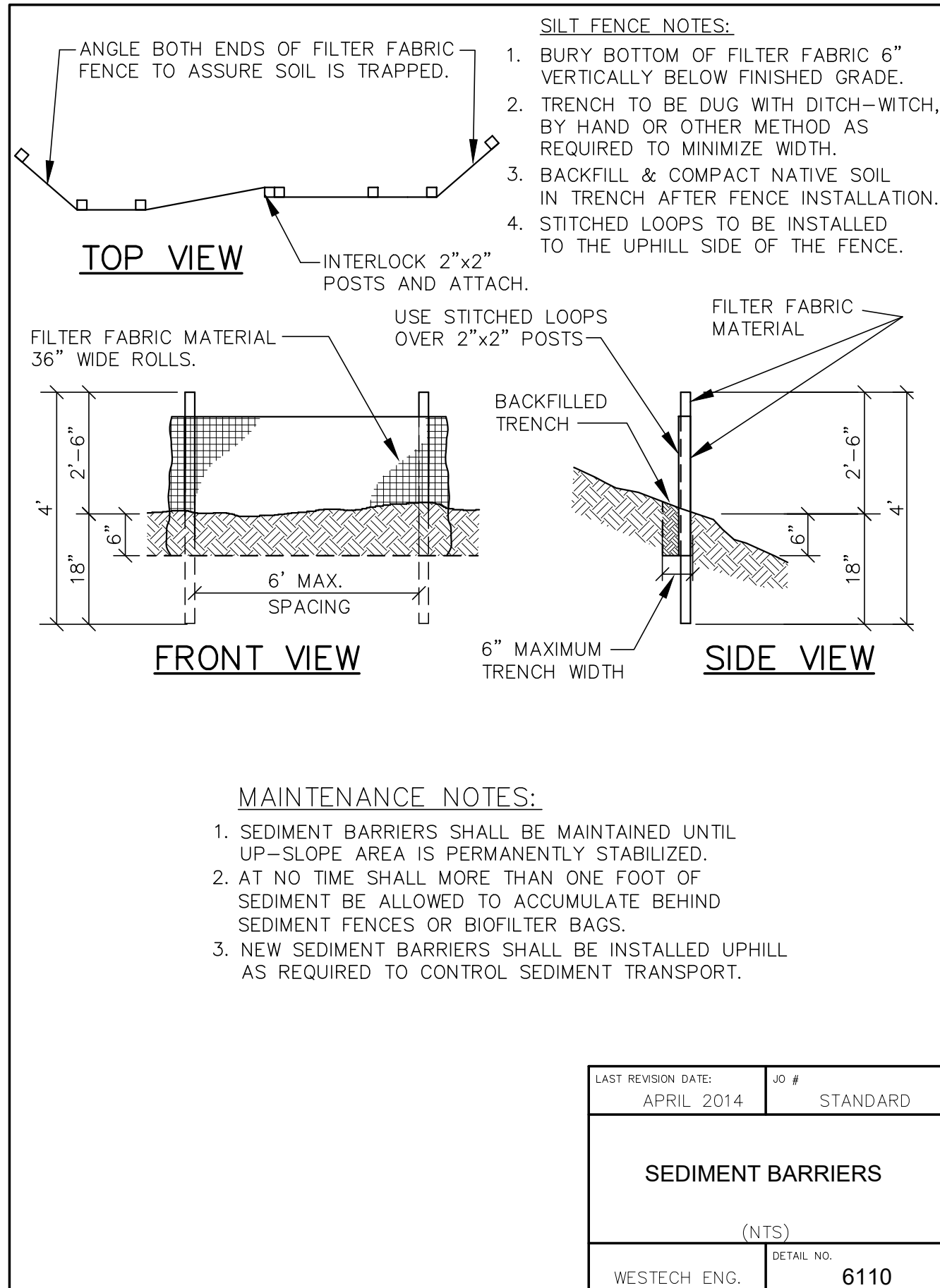
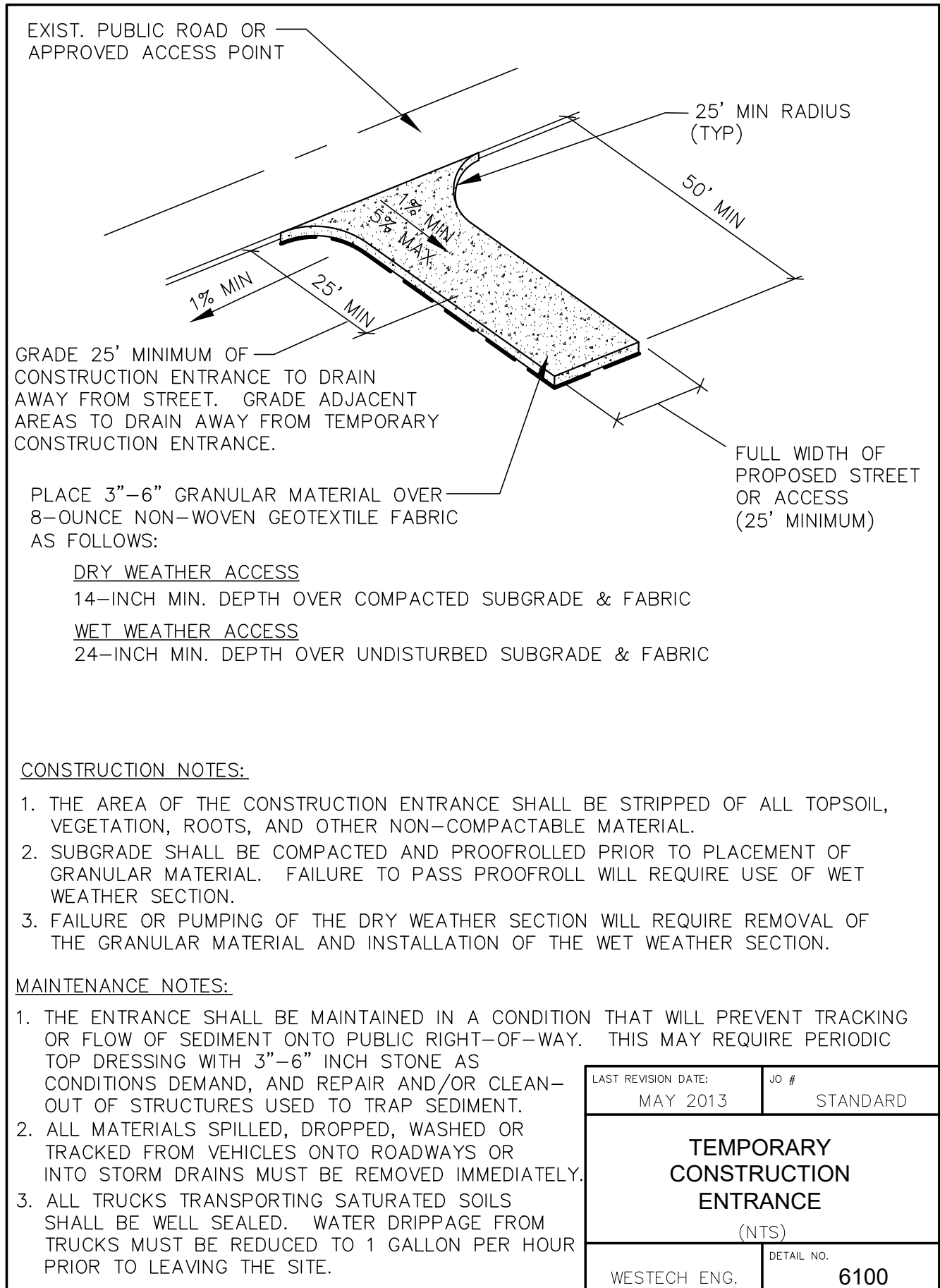
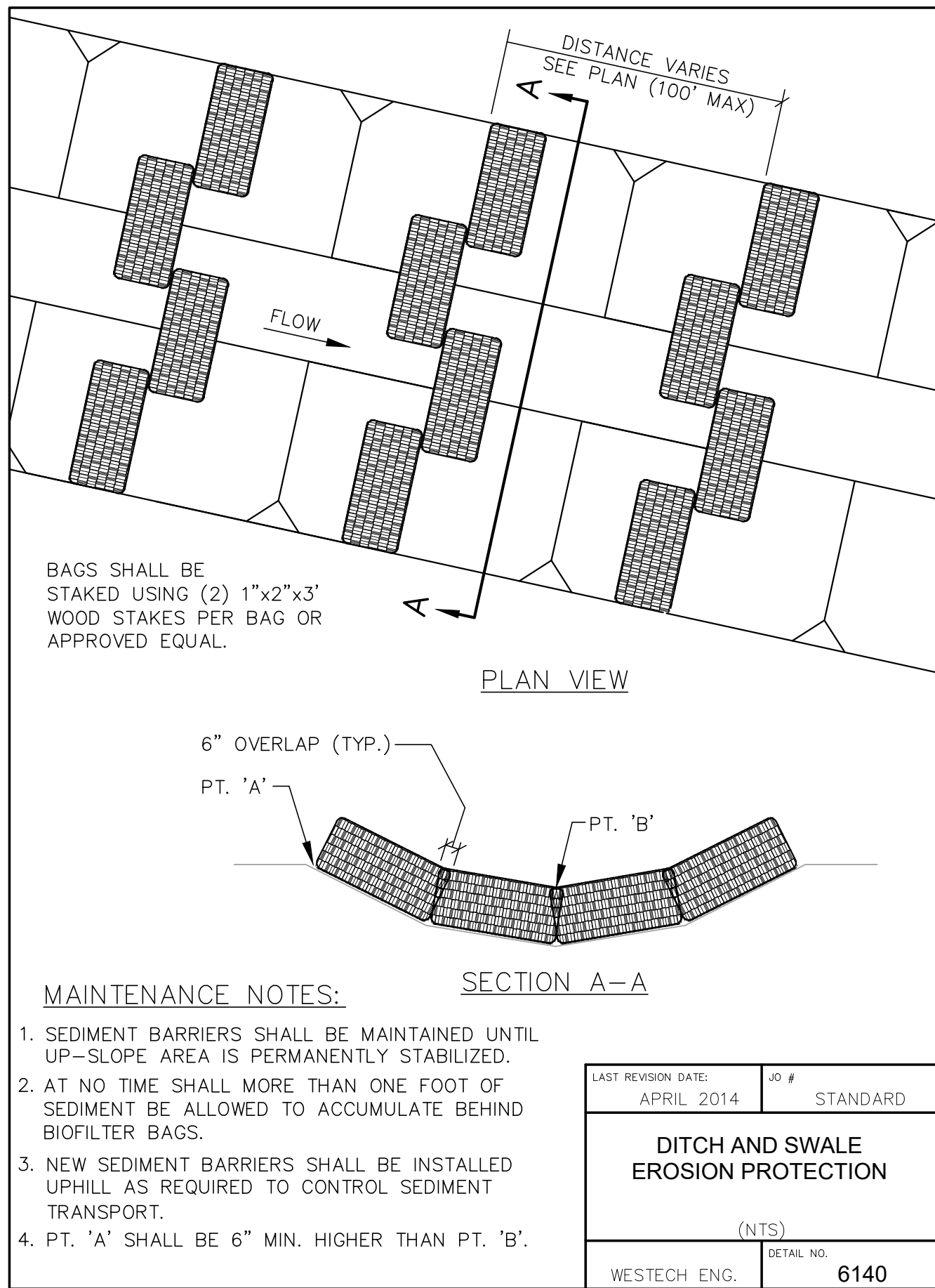
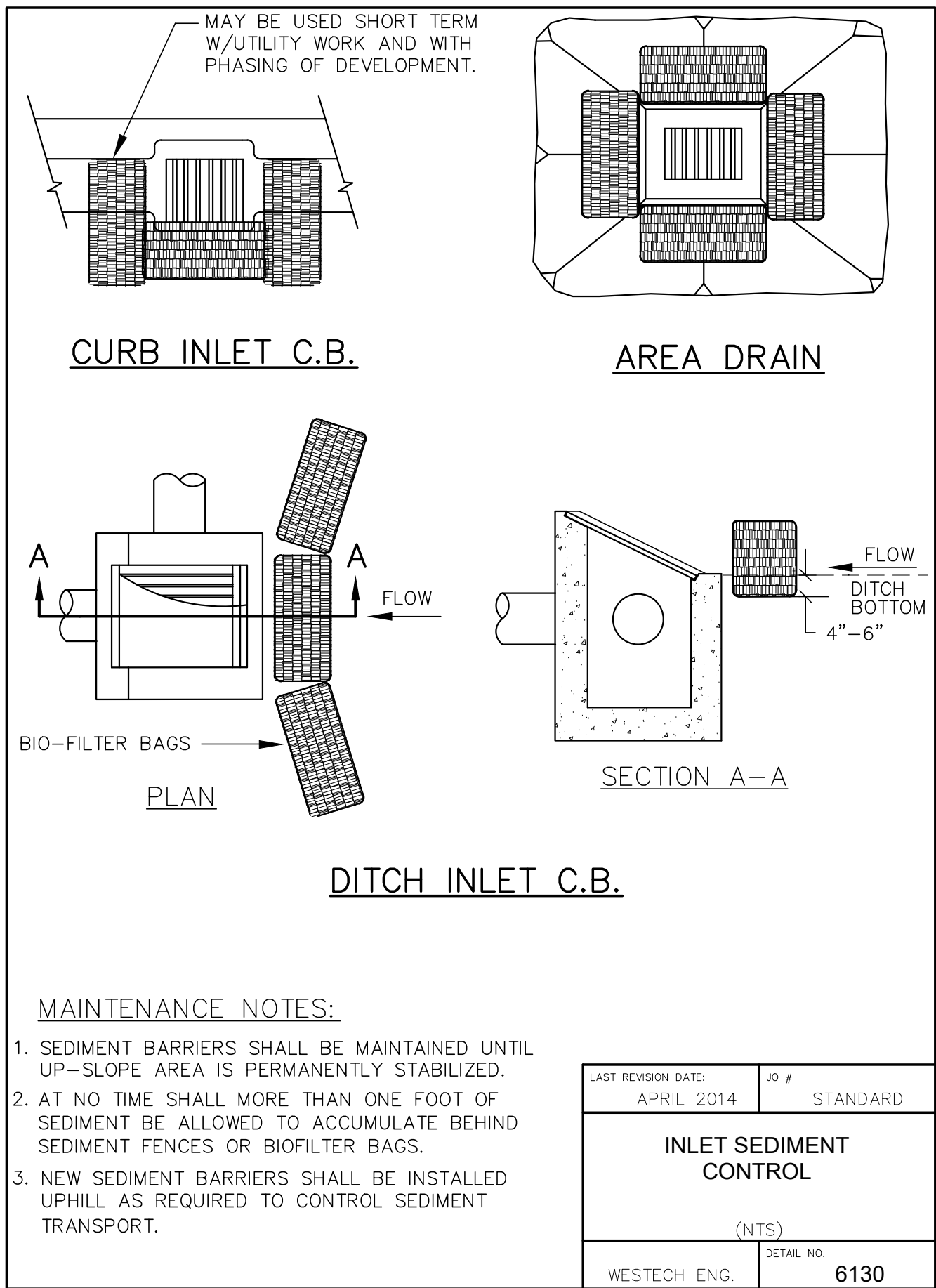


RENEWALS: 8/30/2024

CKD. SAW
DATE: AUG 2022

| DESCRIPTION | REVISIONS |
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3Y



NOTE: FOR EROSION CONTROL ON THE SITE, CONTACT MR. STEVEN A. WARD (503-931-3460)

| VERIFICATION | | DATE: AUG 2022 | |
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VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON SCALES, SCALE ACCURATELY

DSN. SAW
DRN. AR
CKD. SAW

DATE: AUG 2022

REVISIONS

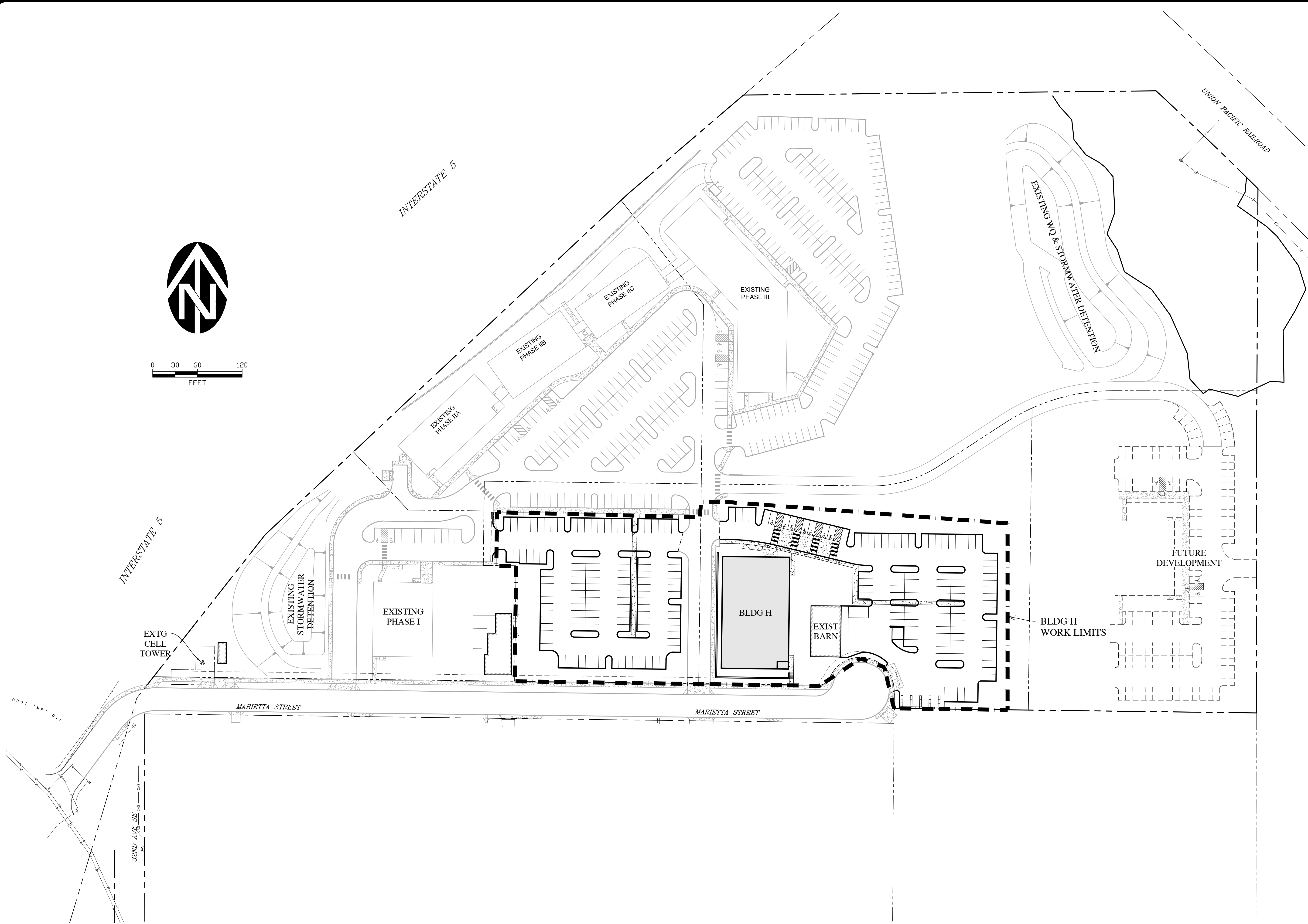
PROFESSIONAL ENGINEER
11843
JULY 16, 2022
STEVEN A. WARD
RENEW: 6/30/2024

WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS
3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

JORDAN SPARKS
BUILDING H CONSTRUCTION
EROSION CONTROL NOTES & DETAILS

DRAWING C1.7

JOB NUMBER 2822.0000.0



JORDAN SPARKS

BUILDING H CONSTRUCTION

OVERALL SITE PLAN

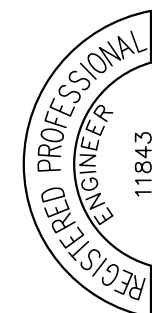
**DRAWING
C2.0**

JOB NUMBER
2822.0000.C



WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS

3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

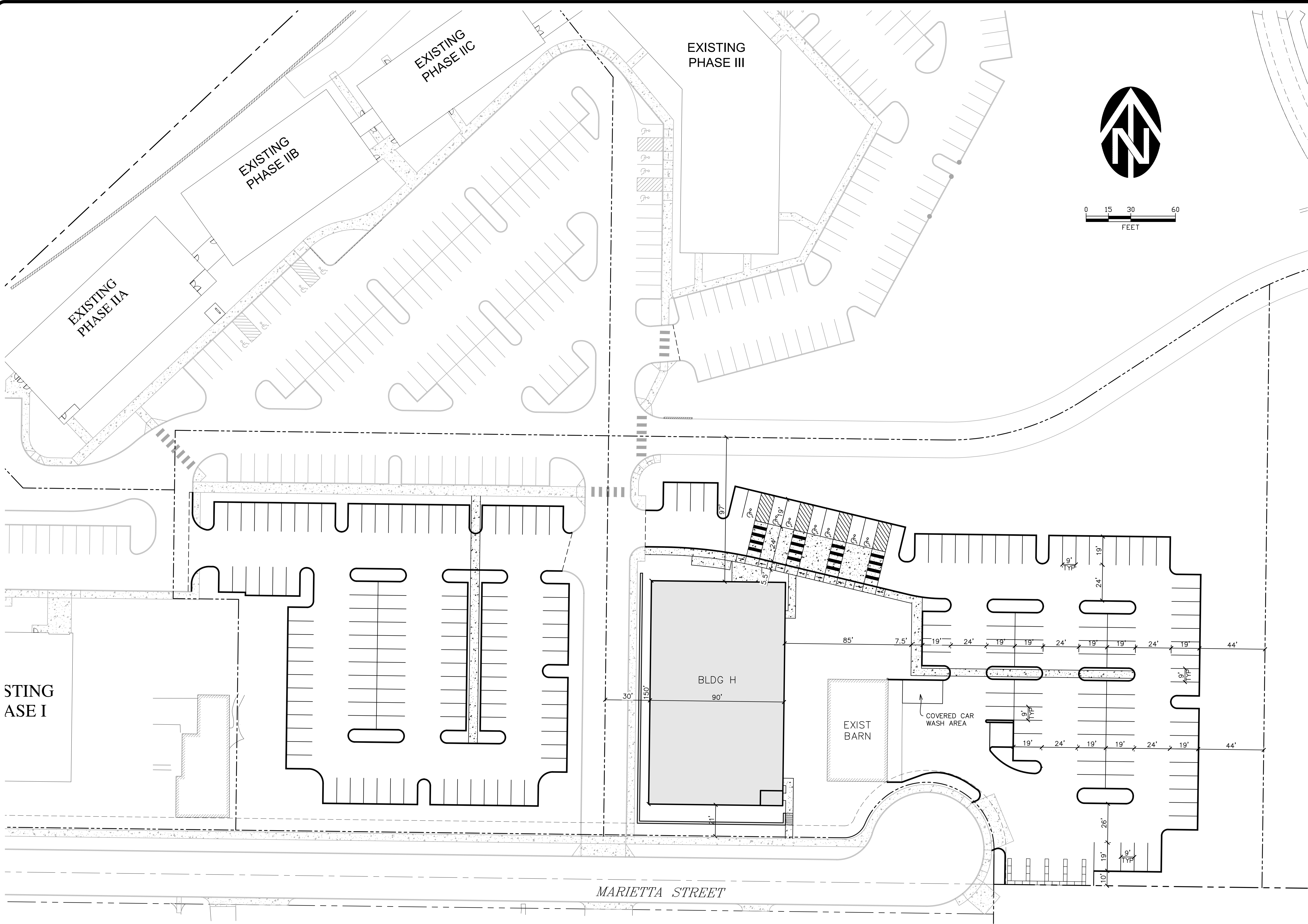


VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING

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EXISTING
PHASE I

EXISTING
PHASE IIA

EXISTING
PHASE IIB

EXISTING
PHASE IIC

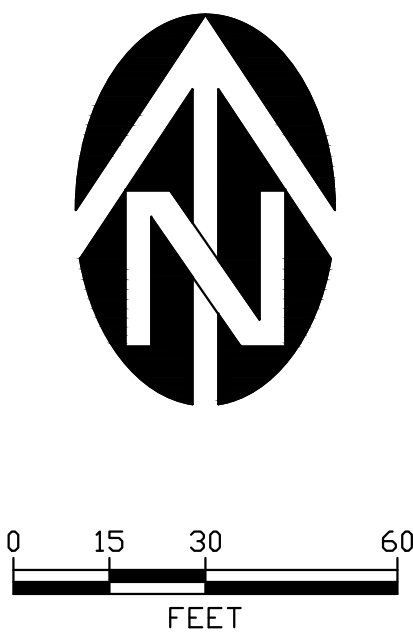
EXISTING
PHASE III

BLDG H

EXIST
BARN

COVERED CAR
WASH AREA

MARIETTA STREET



| | | | |
|---|-----|-----------------|----|
| VERIFIED PROFESSIONAL ENGINEER OREGON 11843 JULY 16, 2016 STEVEN A. GWIN RENEW: 6/30/2024 | | DATE: AUG. 2022 | |
| DSN. | SAW | DRN. | AR |
| CKD. | SAW | NO. | 1 |
| DATE: AUG. 2022 | | DESCRIPTION | |
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VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON
ORIGINAL DRAWING
SIZES ACCORDINGLY

WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS
3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

JORDAN SPARKS
BUILDING H CONSTRUCTION

SITE PLAN (NORTH)

DRAWING
C2.1

JOB NUMBER
2822.0000.0



DETENTION & WATER QUALITY FOR
THIS PHASE PROVIDED IN PHASE I

JORDAN SPARKS

BUILDING H CONSTRUCTION

**OVERALL GRADING
& DRAINAGE PLAN**

DRAWING
C3.0

JOB NUMBER
2822.0000.0

WE

WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS

3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

REGISTERED PROFESSIONAL ENGINEER
11843
OREGON
JULY 16, 1982
STEVEN A. WARD

RENEWAL: 6/30/2024

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

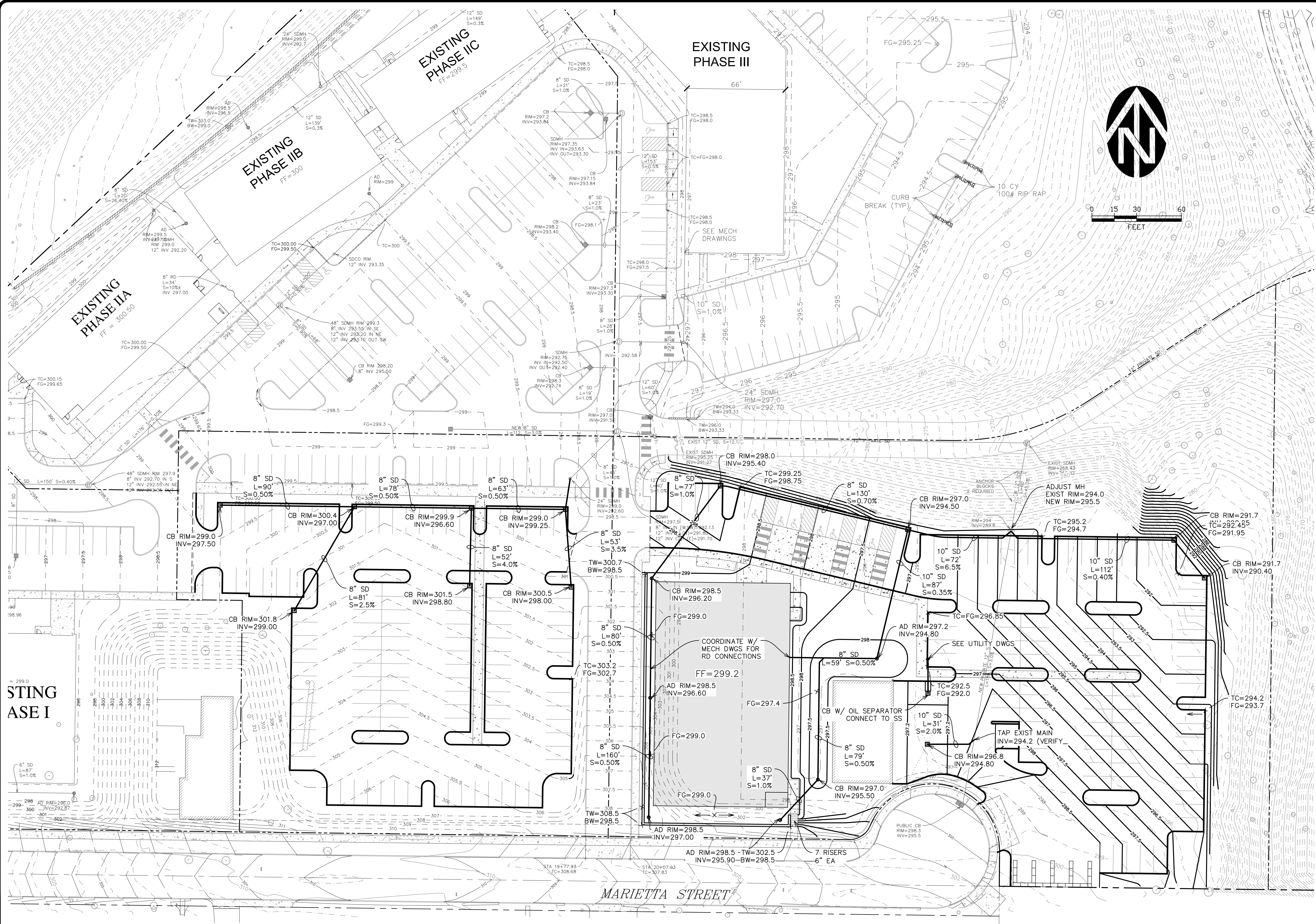
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CKD. SAW

DATE: AUG 2022

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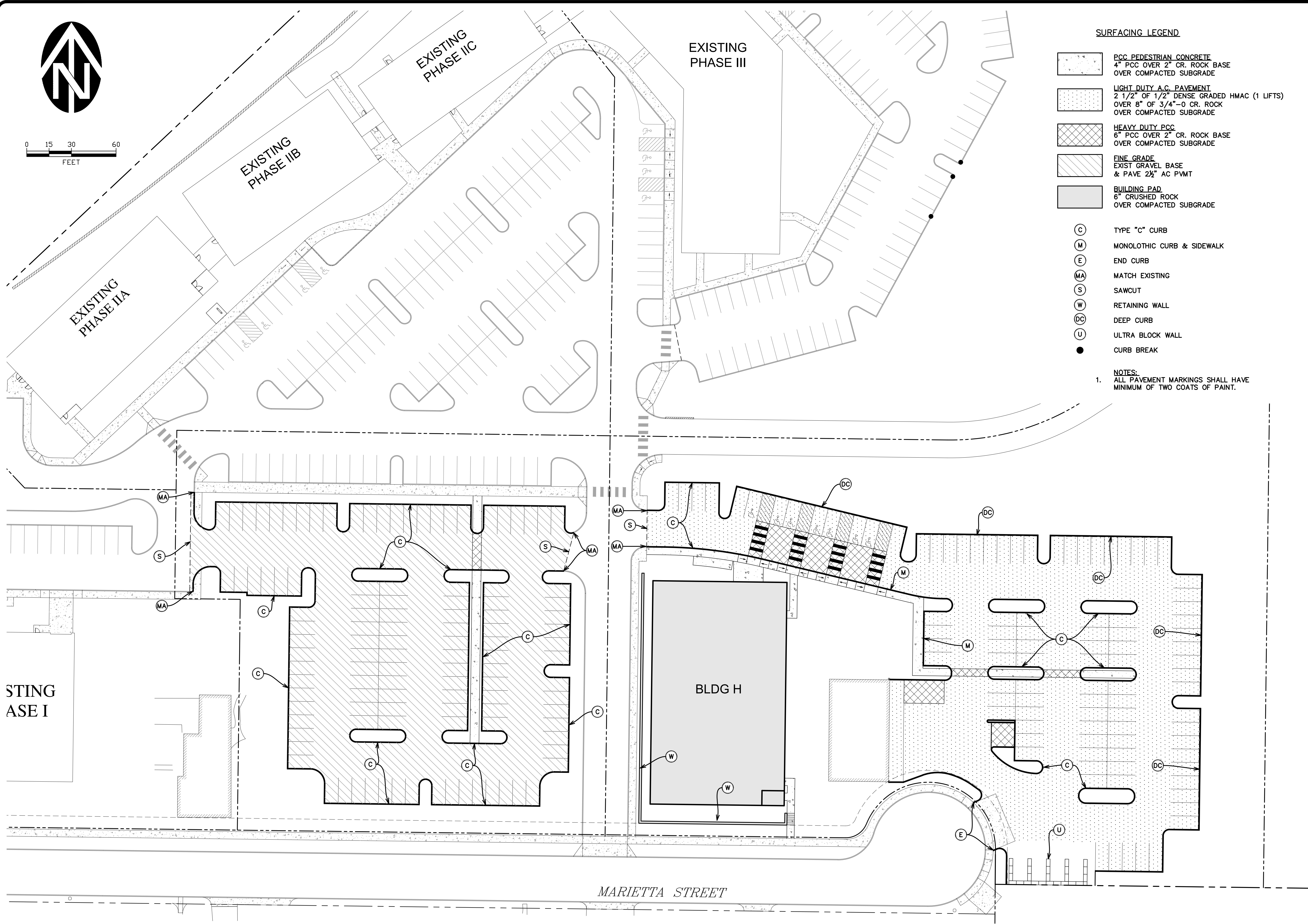
WESTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS

Westech Engineering, Inc.
841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westech@westech-eng.com

JORDAN SPARKS
BUILDING H CONSTRUCTION

DRAWING
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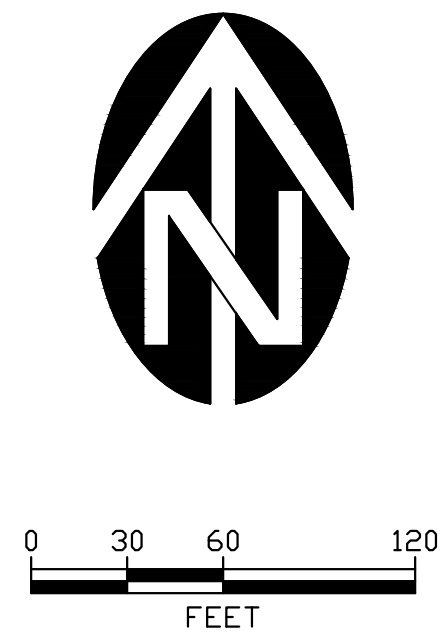


SURFACING LEGEND

- PCC PEDESTRIAN CONCRETE**
4" PCC OVER 2" CR. ROCK BASE
OVER COMPACTED SUBGRADE
- LIGHT DUTY A.C. PAVEMENT**
2 1/2" OF 1/2" DENSE GRADED HMAC (1 LIFTS)
OVER 8" OF 3/4"-0 CR. ROCK
OVER COMPACTED SUBGRADE
- HEAVY DUTY PCC**
6" PCC OVER 2" CR. ROCK BASE
OVER COMPACTED SUBGRADE
- FINE GRADE**
EXIST GRAVEL BASE
& PAVE 2 1/2" AC PVMT
- BUILDING PAD**
6" CRUSHED ROCK
OVER COMPACTED SUBGRADE
- TYPE "C" CURB**
- MONOLITHIC CURB & SIDEWALK**
- END CURB**
- MATCH EXISTING**
- SAWCUT**
- RETAINING WALL**
- DEEP CURB**
- ULTRA BLOCK WALL**
- CURB BREAK**

- NOTES:**
1. ALL PAVEMENT MARKINGS SHALL HAVE
MINIMUM OF TWO COATS OF PAINT.

| | | | | | |
|--|--|---|--|---------------------------|--|
| JORDAN SPARKS BUILDING H CONSTRUCTION | | DRAWING C3.2 | | JOB NUMBER 2822.0000.0 | |
| SURFACING PLAN (NORTH) | | WESTECH ENGINEERING, INC. CONSULTING ENGINEERS AND PLANNERS 3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302 Phone: (503) 585-2474 Fax: (503) 585-3986 E-mail: westech@westech-eng.com | | DATE: AUG. 2022 | |
| VERIFIED PROFESSIONAL ENGINEER 11843 JULY 16, 2016 OREGON STEVEN A. GWIN | | VERIFIED SCALE BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS DRAWING, ALL DIMENSIONS SHALL BE AS SHOWN 1" | | DATE: AUG. 2022 | |
| DSN. SAW DRN. AR | | NO. 1 | | DATE | |
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| DESCRIPTION | | REVISIONS | | BY | |



JORDAN SPARKS
BUILDING H CONSTRUCTION
OVERALL SITE
UTILITY PLAN

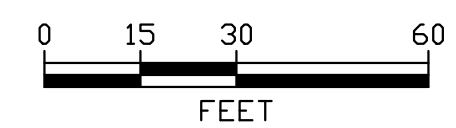
DRAWING
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WE
WESTTECH ENGINEERING, INC.
CONSULTING ENGINEERS AND PLANNERS
3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97301
Phone: (503) 585-2474 Fax: (503) 585-3986
E-mail: westtech@westtech-eng.com

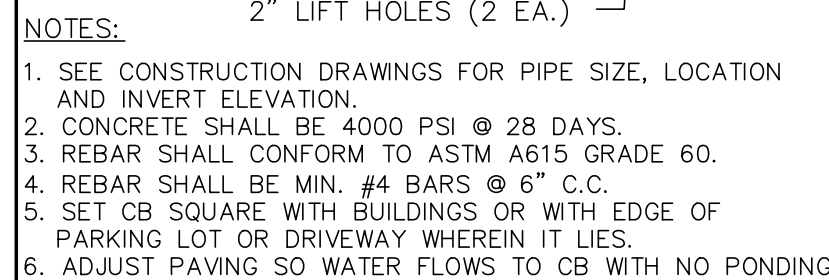
REGISTERED PROFESSIONAL
ENGINEER
11843
OREGON
JULY 16, 1992
STEVEN A. WARD
RENEW: 6/30/2024

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| VERIFY SCALE | |
| BAR IS ONE INCH ON ORIGINAL DRAWING | |
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| DATE: AUG 2022 | |

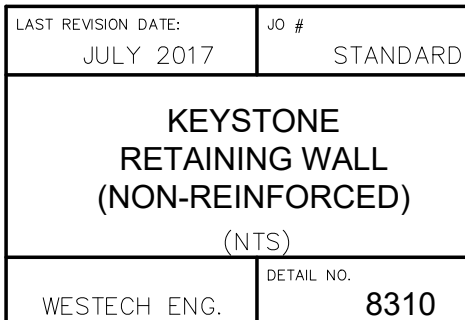
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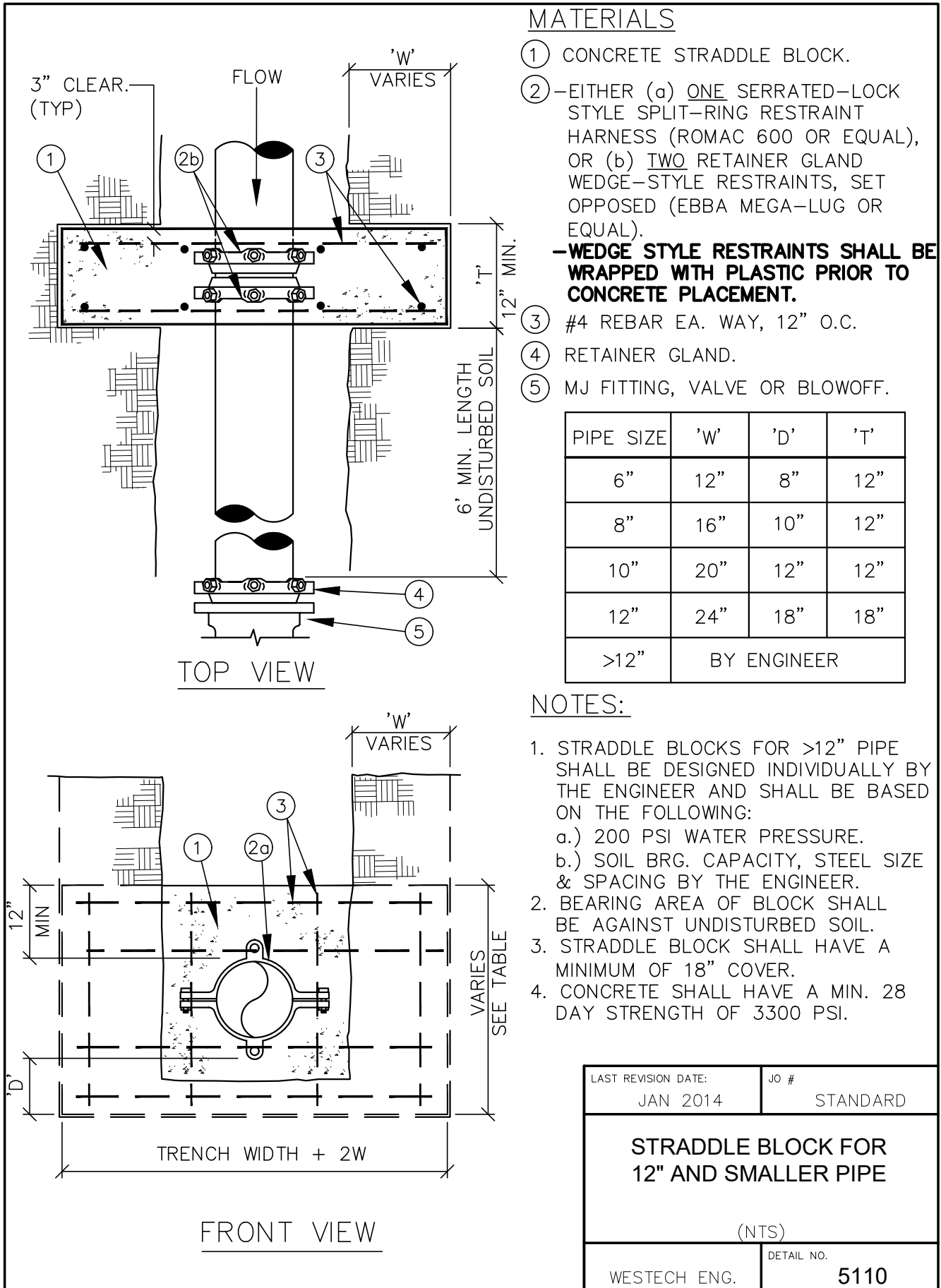
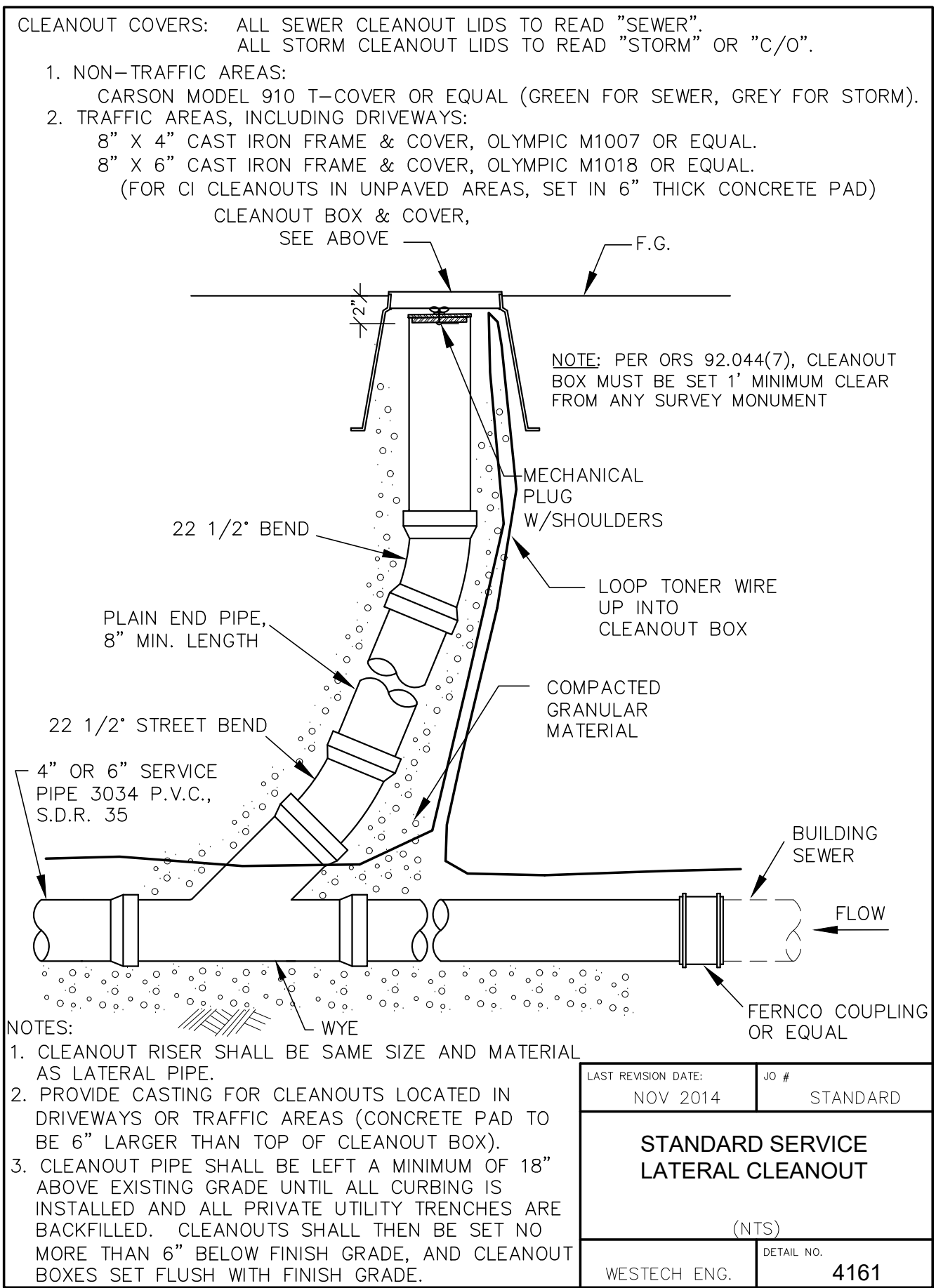
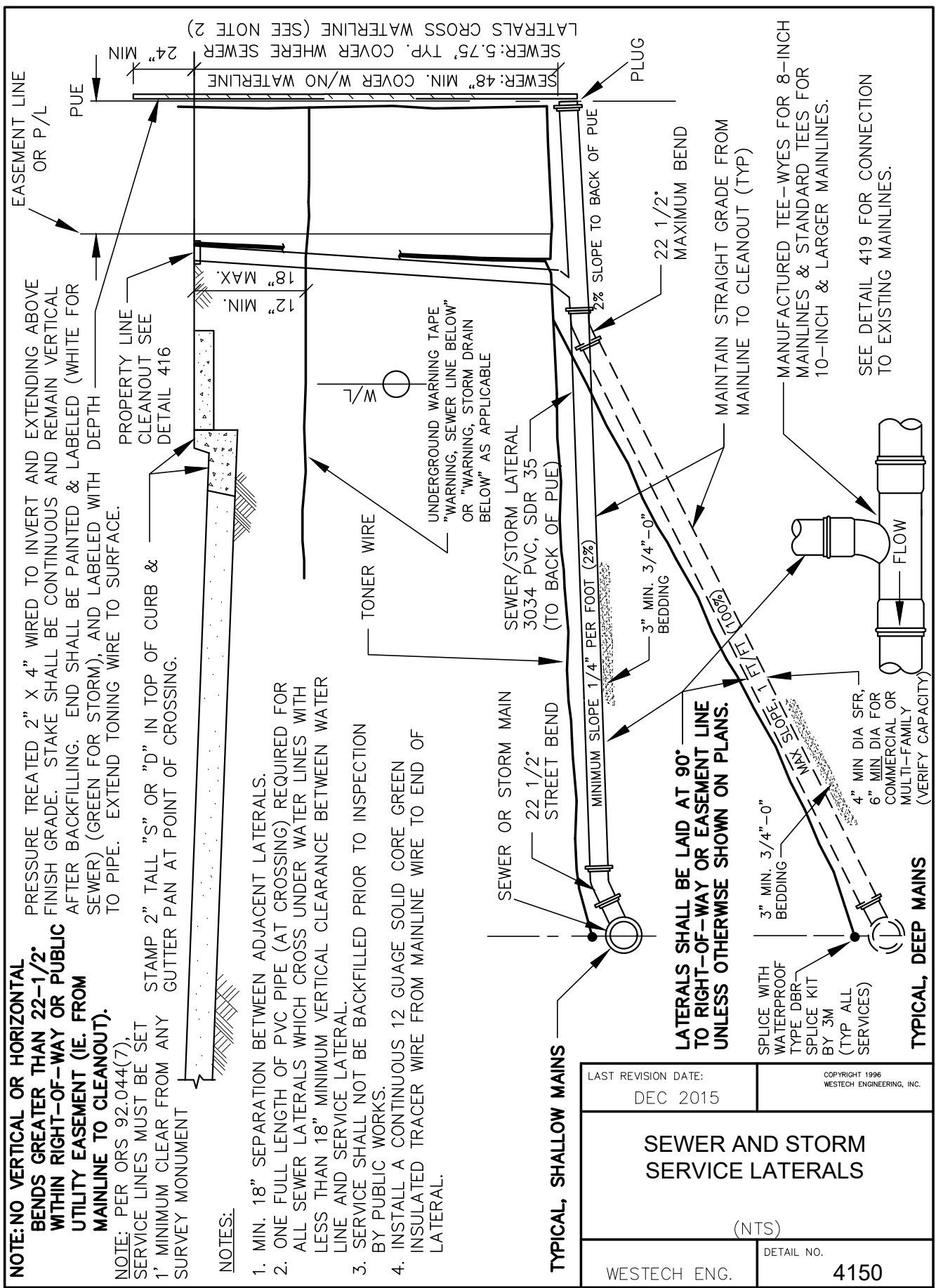
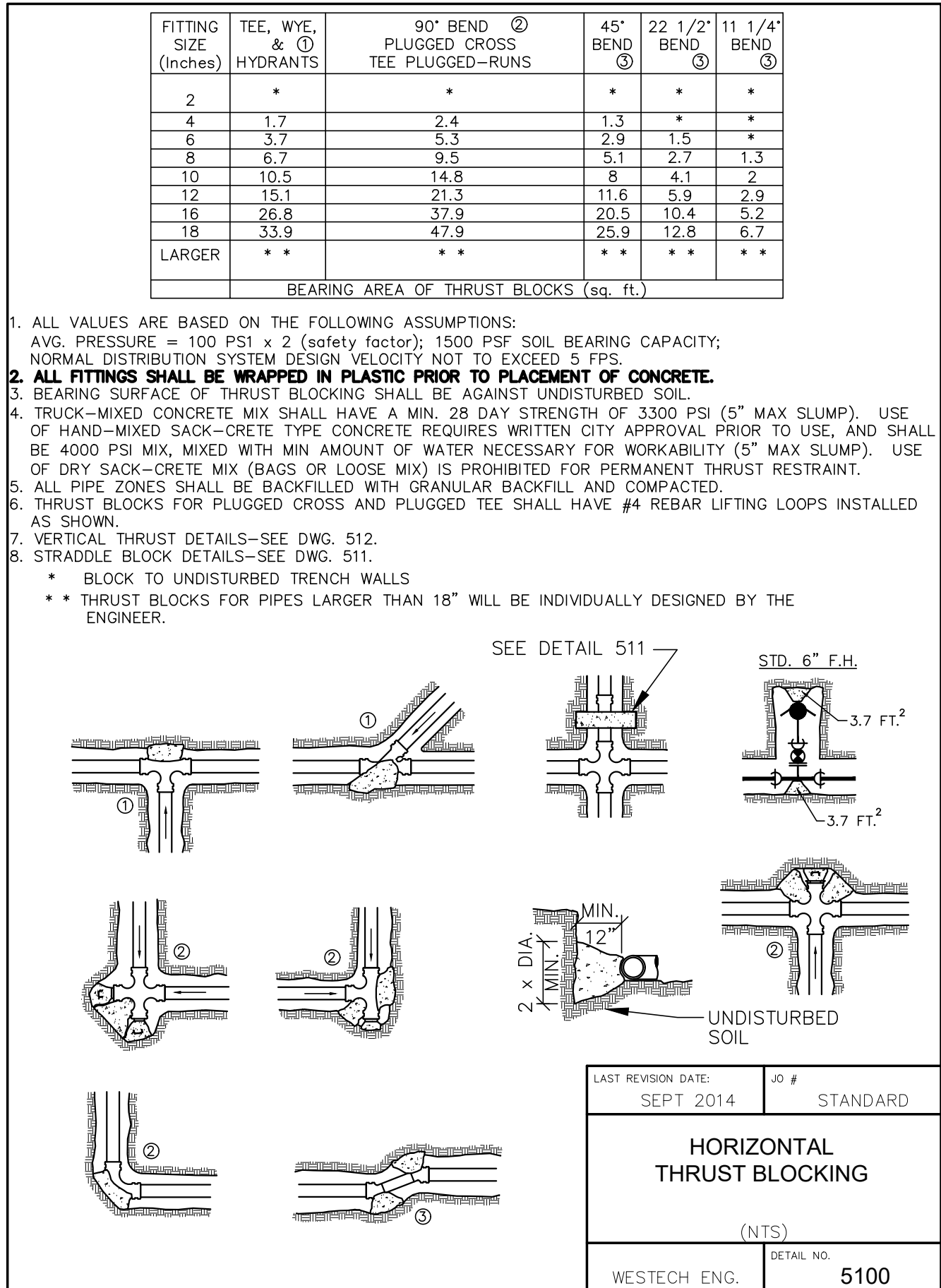
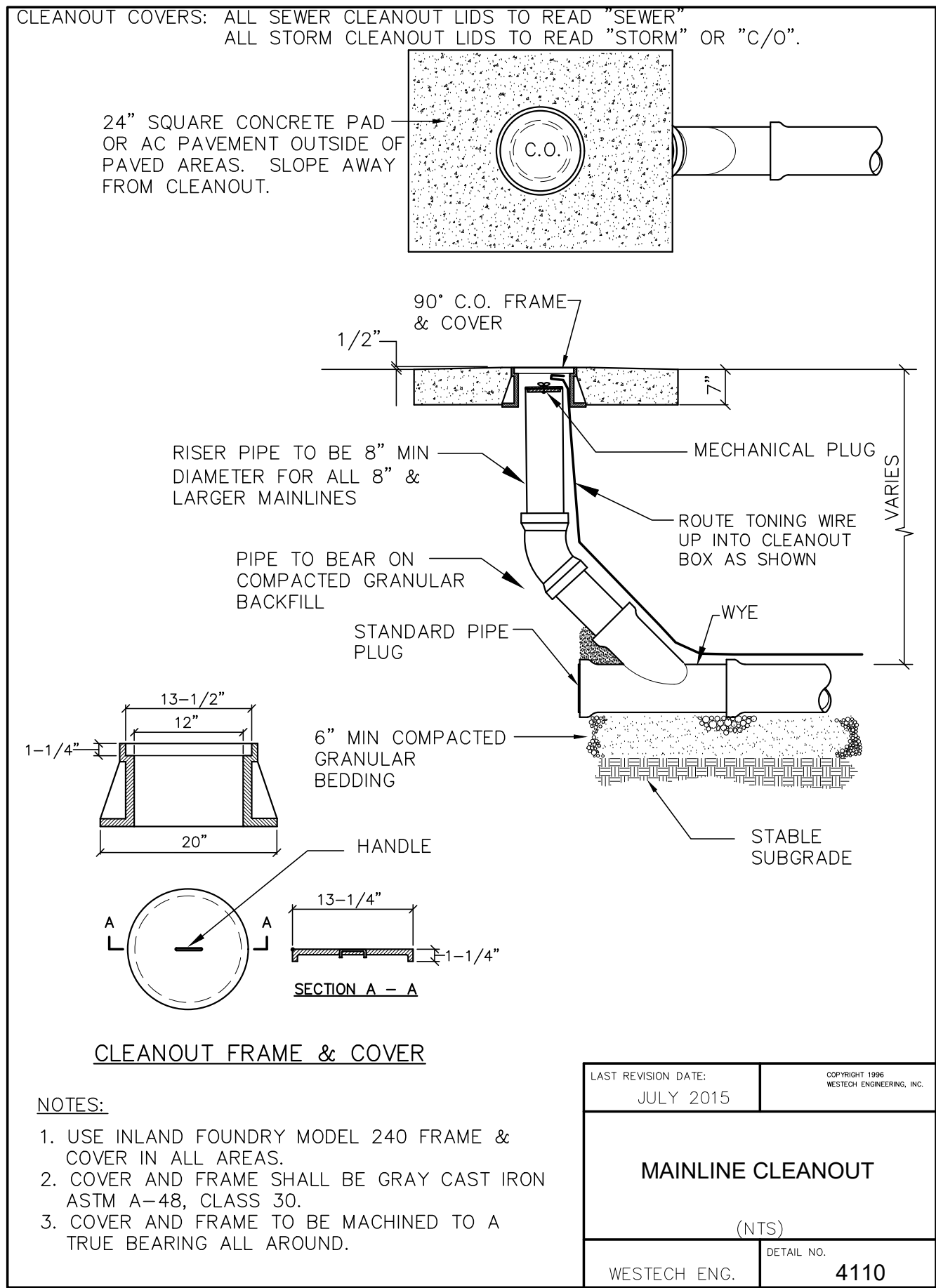
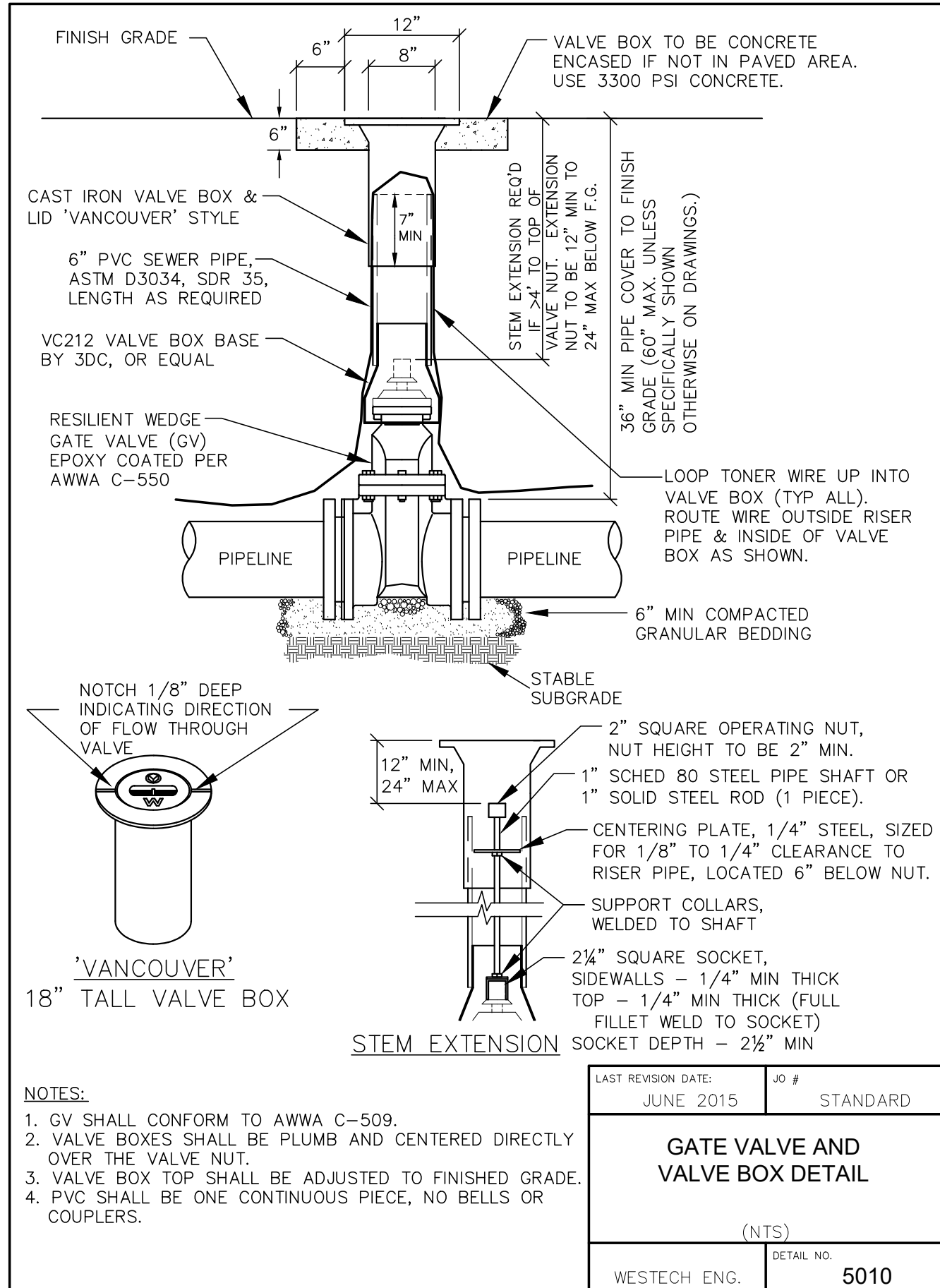
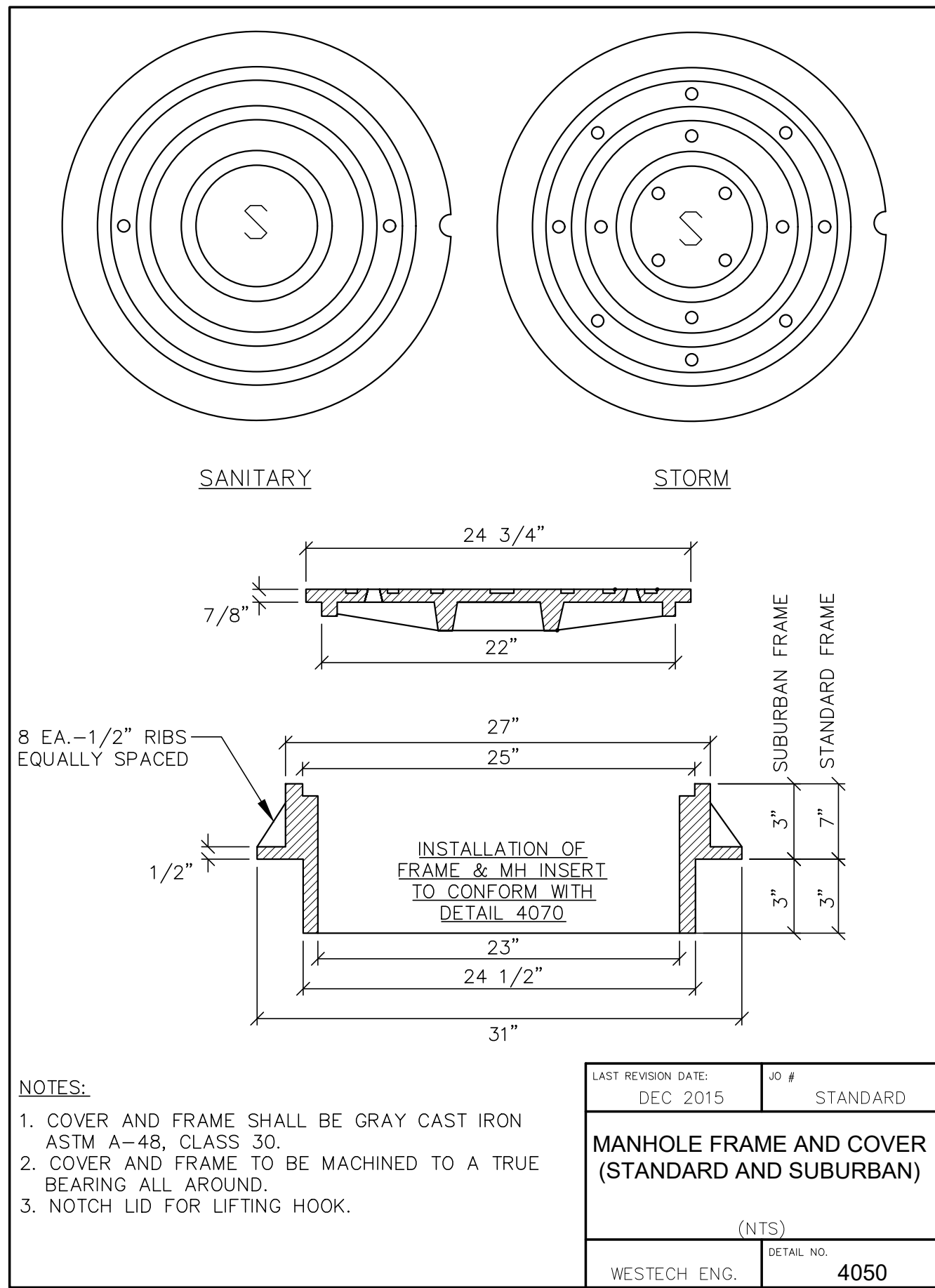
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| JORDAN SPARKS | UTILITY PLAN |
| BUILDING H CONSTRUCTION | |
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| JOB NUMBER | |
| 2822.0000.0 | |



1. Segmental Retaining Wall (SRW) concrete units shall be the standard color, rough face finish and conform to the requirements of ASTM C-90, ASTM C-140 and ASTM C-145. **Owner to select color from samples submitted by Contractor.**
2. Segmental concrete retaining wall shall conform to the requirements of the Keystone TM Retaining Wall system, manufactured by Keystone TM, Pacific Northwest Inc., or an approved alternate and conform to the requirements of ASTM C-90. The wall design is based upon Keystone Standard III units (**8'H x 18"W x 21"D; 95 lbs/unit**). Provide straight face or tri-plane face as noted on the drawings or as selected by the Owner from samples submitted by Contractor.
3. The Keystone retaining wall, or approved equal, shall be constructed per manufacturer specifications and approved construction drawings, unless modified herein.
4. The Contractor shall design the blocks and structure above. The Contractor may, at no additional cost to the owner, submit SRW design and shop drawings for an alternate SRW system for approval by the Owner's representative. The shop drawings shall include design calculations stamped by a professional engineer registered in the State of Oregon. Special inspection requirements, as specified herein, still apply to the substitute design. If the alternate wall system is approved, the Contractor shall be responsible for revising the block layout as necessary to address any differences in the SRW block dimensions.
5. The Contractor shall select the materials, storage and handling materials in accordance with manufacturers recommendations and in a manner to prevent deterioration or damage due to moisture, temperature changes, Ultraviolet (UV) degradation, contaminants, corrosion, breaking, chipping or other causes. Damaged material shall not be incorporated into the segmental retaining wall.
6. Crushed rock leveling pad shall be placed on top of compacted subgrade (except where concrete leveling pads/footings is required on drawings). Gravel leveling pads shall be placed on compacted subgrade to a minimum of 92% of maximum dry density per AASHTO T-180 (Modified Proctor). Leveling pad thickness shall be a minimum of 8 inches as measured in place. An acceptable alternative is a 5" concrete (3300 psi) base pad on compacted subgrade.
7. Maximum particle size for wall backfill shall not exceed 2 inches in diameter.
8. The plasticity index (PI) for the backfill material used in the reinforced wall backfill shall not exceed 30 and the liquid limit shall not exceed 40, as per ASTM D-4318. The owner does not warrant the suitability of the backfill material.
9. Backfill shall be placed and compacted in lifts not to exceed a loose depth thickness of 8 inches for hand operated vibratory equipment and 12 inches for walk behind, self-propelled vibratory equipment. Backfill shall be compacted to 92% of AASHTO T-180 compaction standard.
10. Drains in the SRW units shall be filled with 1"–4" crushed rock.
11. Voidage backfill behind wall shall consist of 1" open graded rock containing no more than 5% passing No. 20 sieve. Provide 4" minimum drainage fabric under, around and over drain rock (12" minimum lap at any joints).
12. Wall drain pipe shall be fabric covered (3 oz min) HDPE slotted pipe conforming to ASTM F-405 (ADS Sock or approved equivalent). Wall drain pipe shall be connected to solid-wall drain pipe(s) draining to daylight or to an approved storm drain system.
13. The overall tolerance for the constructed face of wall relative to the vertical wall design or batter shall not exceed 1.2 inches maximum over a 10 foot distance, 3 inches maximum over the entire wall length.
14. The wall drainage system specified is intended to serve the Segmental Retaining Wall (SRW) in its final constructed condition in conjunction with the final site improvements in their final constructed condition. During construction, the Contractor shall manage site drainage and divert stormwater away from the wall structure as necessary to prevent overloading of wall drainage reinforced systems.
15. At the end of the each day's operation, the Contractor shall slope the last level of backfill away from the wall face to direct runoff of rainwater away from the wall face. In addition, the Contractor shall not allow surface runoff from adjacent areas to enter the wall construction site.
16. Inspection is required for construction of this segmental block retaining wall (SRW). Inspection to be arranged and scheduled by Contractor as specified.
17. Contractor shall insure all inspections are performed prior to proceeding with the next phase of work. At a minimum inspections shall include the following items: Observation that the wall structure bearing capacity meets the specified soil bearing capacity, or a minimum of 2,000 psf, whichever is greater. Observations of the compacted crushed rock leveling pads and wall drainage system. Observation of the wall batter. Soil testing results for plasticity index and liquid limit values for wall backfill material. Compaction results for the wall backfill.



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| JORDAN SPARKS | |
| BUILDING H CONSTRUCTION | |
| CIVIL DETAILS | |
| DRAWING | |
| C5.1 | |
| JOB NUMBER | |
| 2822.0000.0 | |



| JORDAN SPARKS | | BUILDING H CONSTRUCTION | | CIVIL DETAILS | |
|---|-----|-------------------------|-----|---------------------------|-------------|
| WESTECH ENGINEERING, INC. CONSULTING ENGINEERS AND PLANNERS | | DRAWING C5.2 | | JOB NUMBER 2822.0000.0 | |
| 3841 Fairview Industrial Dr. S.E., Suite 100, Salem, OR 97302 Phone: (503) 585-2474 Fax: (503) 585-3986 E-mail: westech@westech-eng.com | | DATE: AUG. 2022 | | REVISIONS | |
| DSN. | SAW | AR | NO. | DATE | DESCRIPTION |
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