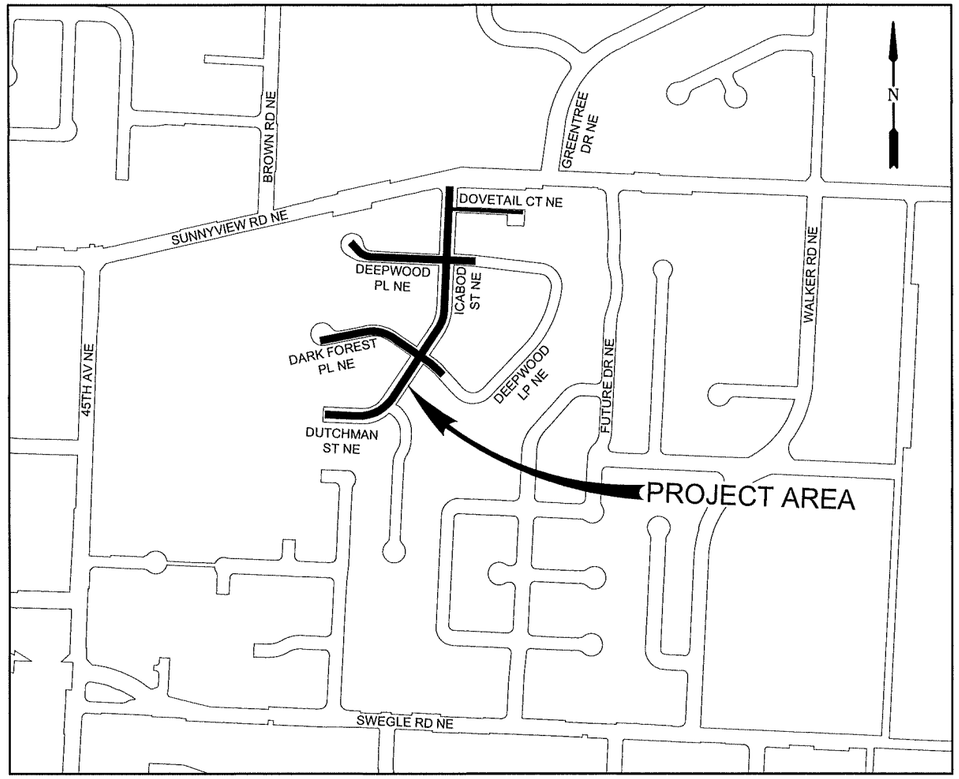
CITY OF SALEM - DEPARTMENT OF PUBLIC WORKS
555 LIBERTY STREET SE - SALEM, OREGON 97301

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

PN:720014



VICINITY MAP

UTILITY CONTACTS

CITY OF SALEM	ENGINEERING DISPATCH	503-588-6211 503-588-6333
PGE (DISTRIBUTION).....	KEN SPENCER	503-970-7200
PGE (LIGHTING).....	ALISON BAZIAK	503-463-4381
NW NATURAL GAS	CHRIS FLU	971-271-3721
CENTURYLINK	MARC BRIESE	503-399-4521
COMCAST CABLE TV	DAVID HAMMILL	503-584-5754

811
Know what's below.
Call before you dig.

ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT (503) 232-1987.

CITY OF Salem AT YOUR SERVICE
ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

TITLE SHEET

G-01

SHEET 1 OF 32

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SHEET INDEX

NO.	ID.	DESCRIPTION
		GENERAL
1	G-01	**TITLE SHEET**
2	G-02	**SHEET INDEX**
3	G-03	**GENERAL CONSTRUCTION NOTES & LEGEND**
4	G-04	**PAGE LAYOUT SHEET**
5	G-05	**SURVEY CONTROL SHEET**
		EROSION CONTROL
6	EC-01	**EPSC NOTES**
7	EC-02	ICABOD ST NE **EPSC PLAN** STA A10+00 TO A16+80
8	EC-03	ICABOD ST NE **EPSC PLAN** STA A16+80 TO A22+15
9	EC-04	DARK FOREST PL NE DEEPWOOD LP NE **EPSC PLAN** STA B10+00 TO A14+30 STA C10+00 TO END
10	EC-05	DEEPWOOD PL NE DEEPWOOD LP NE **EPSC PLAN** STA D10+00 TO D13+95 STA E10+00 TO E11+50
11	EC-06	DOVETAIL CT NE **EPSC PLAN** STA F10+00 TO F12+37
		TEMPORARY TRAFFIC CONTROL
12	TC-01	**TEMPORARY TRAFFIC CONTROL** ADVANCED SIGNING
13	TC-02	**TEMPORARY TRAFFIC CONTROL** LANE CLOSURE

SHEET INDEX

NO.	ID.	DESCRIPTION
		WATER LINE
14	W-01	ICABOD ST NE **'A' WATER LINE PLAN & PROFILE** STA A10+00 TO A13+20
15	W-02	ICABOD ST NE **'A' WATER LINE PLAN & PROFILE** STA A13+20 TO A16+80
16	W-03	ICABOD ST NE **'A' WATER LINE PLAN & PROFILE** STA A16+80 TO A20+60
17	W-04	ICABOD ST NE **'A' WATER LINE PLAN & PROFILE** STA A20+60 TO A22+12
18	W-05	DARK FOREST PL NE **'B' WATER LINE PLAN & PROFILE** STA B10+00 TO B14+30
19	W-06	DEEPWOOD LP NE **'C' WATER LINE PLAN & PROFILE** STA C10+00 TO C11+25
20	W-07	DEEPWOOD PL NE **'D' WATER LINE PLAN & PROFILE** STA D10+00 TO D13+95
21	W-08	DEEPWOOD LP NE **'E' WATER LINE PLAN & PROFILE** STA E10+00 TO E11+47
22	W-09	DOVETAIL CT NE **'F' WATER LINE PLAN & PROFILE** STA F10+00 TO F12+37
23	W-10	**WATER LINE CONNECTION DETAILS** 'A' LINE
24	W-11	**WATER LINE CONNECTION DETAILS** 'C' LINE & 'E' LINE
25	W-12	**WATER LINE CONNECTION DETAILS**
26	W-13	**TRENCH PATCH DETAILS & AS-BUILT VALVE SCHEDULE**
27	W-14	**SEQUENCING & WATER METER DETAILS**

SHEET INDEX

NO.	ID.	DESCRIPTION
		RESTORATION
28	ST-01	ICABOD ST NE **RESTORATION PLAN** STA A10+00 TO A16+80
29	ST-02	ICABOD ST NE **RESTORATION PLAN** STA A16+80 TO A22+15
30	ST-03	DARK FOREST PL NE DEEPWOOD LP NE **RESTORATION PLAN** STA B10+00 TO A14+30 STA C10+00 TO C11+25
31	ST-04	DEEPWOOD PL NE DEEPWOOD LP NE **RESTORATION PLAN** STA D10+00 TO D13+95 STA E10+00 TO E11+50
32	ST-05	DOVETAIL CT NE **RESTORATION PLAN** STA F10+00 TO F12+37

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION

SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER

65591PE

OREGON

DECEMBER 29, 2009

BENJAMIN R. HANEY

EXPIRES: 6-30-2023

DATE SIGNED:

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SHEET INDEX

G-02

SHEET 2 OF 32

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GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE TO CITY OF SALEM STANDARDS AND SPECIFICATIONS AND THE SPECIAL PROVISIONS DEVELOPED FOR THIS PROJECT.
2. REFERENCE SCS FOR REQUIREMENTS REGARDING PROTECTION OF EXISTING FACILITIES AND TREES.
3. REFERENCE SCS FOR REQUIREMENTS REGARDING OPERATION OF EXISTING WATER VALVES.
4. REFERENCE SCS FOR TRAFFIC PROTECTION AND CONTROL REQUIREMENTS.
5. UTILITY COORDINATION:
   A. THE LOCATION AND DESCRIPTION OF EXISTING UTILITIES SHOWN ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE CITY OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF SUCH RECORDS.
   B. **ATTENTION:** OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)-232-1987).
   C. PROVISIONS SHALL BE MADE BY THE CONTRACTOR TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION.
   D. 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.
6. REFERENCE SCS FOR ANY ADDITIONAL UTILITY COORDINATION REQUIREMENTS.
7. THE CONTRACTOR SHALL BE EXPECTED TO VISIT THE SITE AND MAKE THEIR OWN DETERMINATION OF TOPOGRAPHIC FEATURES REQUIRING RESTORATION.
8. DO NOT REMOVE TREES EXCEPT AS APPROVED BY THE ENGINEER. PROTECT ALL ROOTS TWO INCHES AND LARGER IN DIAMETER. TRIM TREES, SHRUBS AND HEDGES ONLY AS DIRECTED BY THE ENGINEER.
9. ALL CONSTRUCTION SHALL CONFORM TO OREGON D.E.Q. PERMIT No. 1200-CA, A COPY OF WHICH IS INCLUDED IN THE SPECIAL PROVISIONS.
10. REFERENCE SECTION OF THE SPECIAL PROVISIONS AND SCS REGARDING TEMPORARY ASPHALT PATCHING REQUIREMENTS.
11. THE CONTRACTOR SHALL POTHOLE AND VERIFY LOCATIONS, ELEVATIONS, TYPES, AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTING PIPELINES AND SHALL NOTIFY ENGINEER OF NEED TO ADJUST PIPING INSTALLATION ACCORDINGLY. POTHOLING AND TRENCH EXCAVATION SHALL SUFFICIENTLY PRECEDE LAYING OF PIPE TO ALLOW REQUIRED ELEVATION AND ALIGNMENT ADJUSTMENTS TO BE ACCOMPLISHED WITHOUT REWORK. COMPENSATION FOR POTHOLING AND COORDINATION REQUIRED FOR RELOCATING UTILITIES SHALL BE INCIDENTAL TO OTHER WORK PERFORMED.
12. CONTRACTOR SHALL PROVIDE ENGINEER WITH MINIMUM 24 HOURS NOTICE PRIOR TO POTHOLING. COORDINATE WITH ENGINEER TO REVIEW UTILITY INVESTIGATIONS AND TO MAKE APPROPRIATE ADJUSTMENTS FOR ANY ALIGNMENT OR GRADE CONFLICTS.

UTILITIES AND TOPOGRAPHIC FEATURES

	TO BE BUILT	EXISTING
SANITARY SEWER	12" SS L=131.08' S=0.747%	8" CONC SS <<< 8"SS
STORM DRAIN	L=X'± S=1.0% 10" PVC OR 10" SD L=131.08' S=0.747%; SDMH, 205 ROUND CO, WATER QUALITY, FILTERRA	10" PVC SD <<< 10"SD
WATER	4"W; NEW 8" D.I. W, NEW 4" D.I. W	4"W DI
FENCE		
PROPERTY LINE		
RIGHT OF WAY	R/W	
EDGE OF PAVEMENT		E/P
CURB & SIDEWALK WITH DRIVEWAY		

CALLOUTS: WORK DONE BY CONTRACTOR; WORK DONE BY CITY FORCES; WORK DONE BY OTHERS

TO BE BUILT / EXISTING

- PRIVATE WATER SERVICE VALVE (WSV)
- FIRE HYDRANT (FH)
- WATER VALVE (WV)
- WATER METER (WM)
- MAILBOX (MB, NBU, CBU)
- POWER POLE & ANCHOR (PP)
- 12" RCP CULVERT
- STORM-(CB T1/T2/T3/T4) CO (CB, CO)
- SEWER-(CO/ INSPECTION PORT) (CO)
- TELEPHONE PED (TEL PED)
- GAS VALVE (GV)
- LIGHTING
- DECIDUOUS
- EVERGREEN
- ELECTRICITY UNDERGROUND (E; or E2 DUCT)
- TELEVISION (TV; TEL/TV)
- N.W. NATURAL (4"GAS)
- TELEPHONE (T; or TEL2 DUCT)

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APPROVED:	

SHEET TITLE

GENERAL CONSTRUCTION NOTES & LEGEND

G-03

SHEET 3 OF 32

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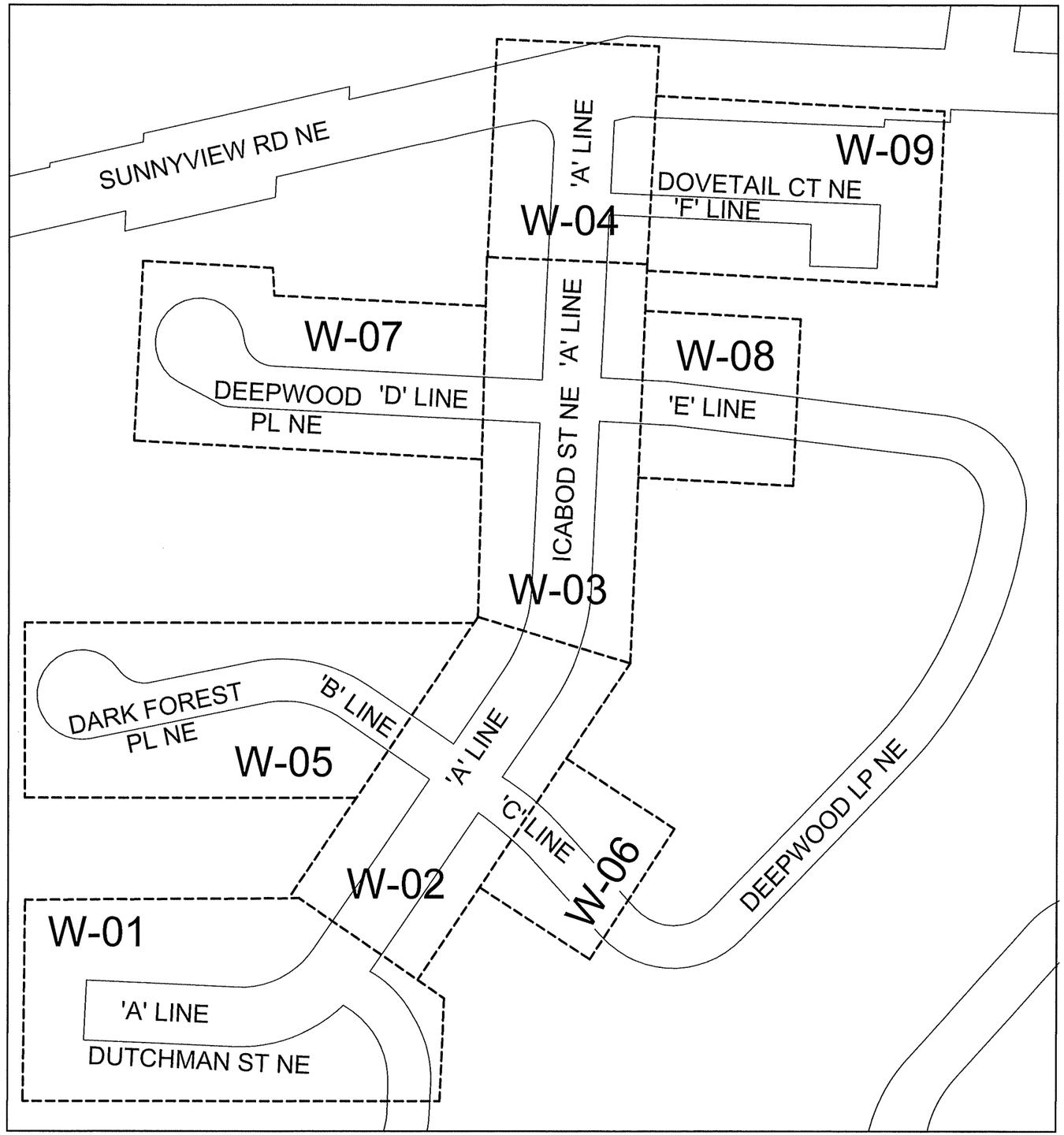

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SHEET TITLE

PAGE LAYOUT SHEET

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SHEET 4 OF 32

NOTE:

HORIZONTAL DATUM:
NAD 83,
OREGON STATE PLANE COORDINATE,
NORTH ZONE EPOCH (CURRENT VERSION)

VERTICAL DATUM:
NGVD 1929(47)

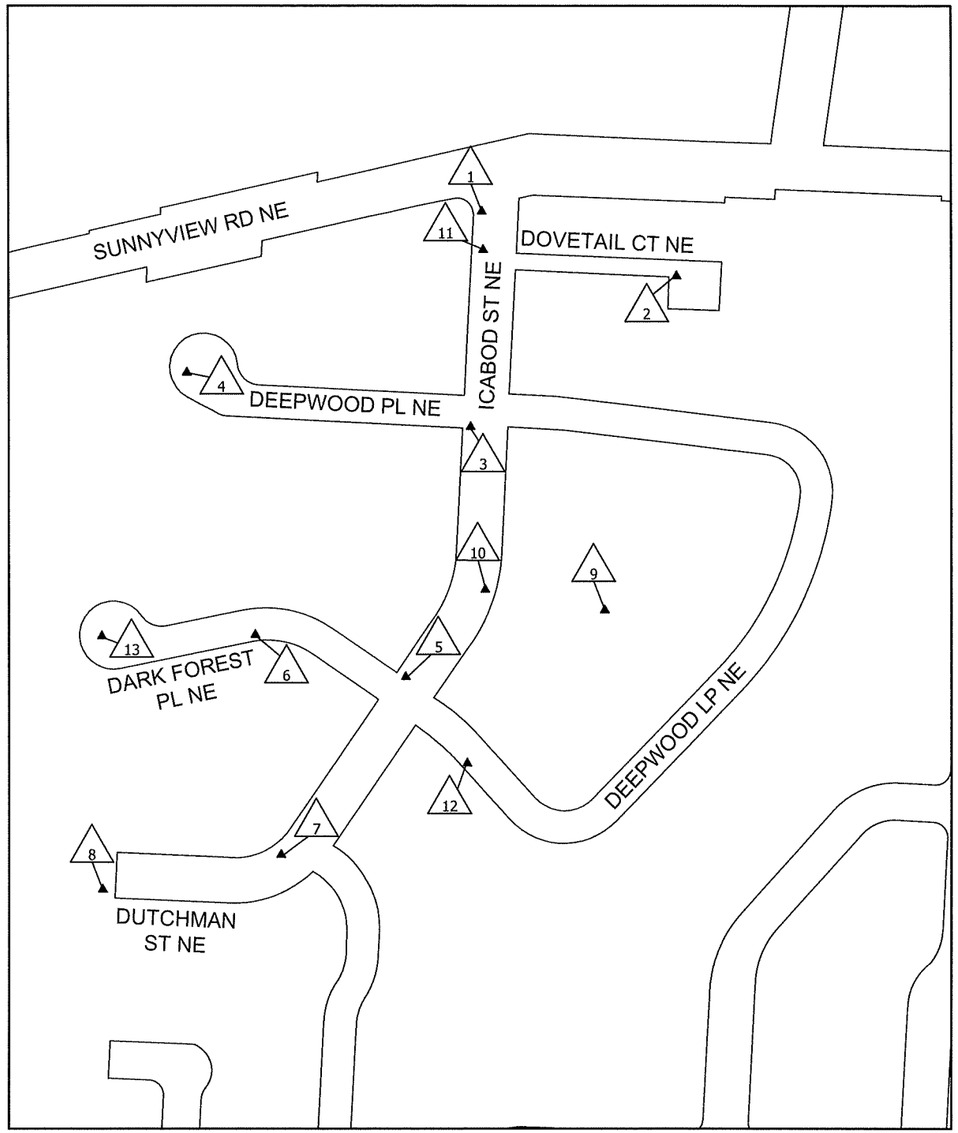
LEGEND

△ # TEMPORARY SURVEY CONTROL POINT

(#) FOUND MONUMENT

SURVEY CONTROL POINTS

PT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	479360.289	7563313.155	198.94	PK IN WALK
2	479275.744	7563569.957	201.52	PK SET
3	479077.185	7563297.479	201.42	PK SET
4	479148.39	7562922.434	197.62	PK SET
5	478747.04	7563212.211	203.87	PK SET
6	478802.111	7563011.959	201.91	PK SET
7	478512.265	7563046.742	203.12	PK SET
8	478467.262	7562810.538	198.42	PK SET
9	478834.957	7563475.902	203.72	SPIKE
10	478863.169	7563317.042	203.35	PK SET
11	479310.594	7563313.818	199.21	PK SET
12	478633.858	7563292.674	202.62	PK SET
13	478800.19	7562808.848	200.23	PK SET



SURVEY MONUMENT PRESERVATION

THE SHOWN SURVEY CONTROL IS NOT ALL INCLUSIVE OF ALL SURVEY MONUMENTS WITHIN THE WORK AREA. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR OR PROJECT ENGINEER WITHIN 24 HOURS OF ANY SURVEY MONUMENT DISTURBED/DESTROYED BY CONSTRUCTION ACTIVITIES.

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SURVEY CONTROL SHEET

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SHEET 5 OF 32

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EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) DETAILS

DESIGN STANDARDS NOTES

(a) Pre-Construction

(1). Prior to any land disturbing activities, the boundaries of the clearing and grading limits, vegetated buffers, and any sensitive areas shown on this plan shall be clearly delineated in the field. Unless otherwise approved, no disturbance is permitted beyond the clearing limits. The contractor must maintain the delineation for the duration of the project. Note: vegetated corridors to be delineated with orange construction fence or approved equal.
(2). BMPS that must be installed prior to land disturbing activities are construction entrance, perimeter sediment control, and inlet protection.
(3). Hold a preconstruction conference to review the EPSCP, with the city's project manager and inspector.

(b) Construction

(1). All sediment is required to stay on site. Sediment amounts greater than ½ cubic foot which leave the site must be cleaned up within 24 hours and placed back on the site and stabilized or properly disposed. Vacuuming or dry sweeping must be used to clean up released sediment and it must not be swept or washed into storm sewers, drainage ways, or water bodies. The cause of the sediment release must be found and prevented from causing a recurrence of the discharge within the same 24 hours. Any in-stream clean up of sediment shall be performed according to the DSL required time frame.
(2). Construction, maintenance, replacement, and upgrading of erosion prevention and sediment control facilities is the sole responsibility of the contractor until all construction is completed,approved, and permanent erosion control (i.e., vegetation/landscaping) is established on all disturbed areas.
(3). All recommended erosion prevention and sediment control procedures are dependent on construction methods, staging, site conditions, weather, and scheduling. During the construction period, erosion control facilities shall be revised, upgraded, replaced, or added, to comply with SRC and State and Federal regulatory requirements.
(4). The contractor is solely responsible for protection of all adjacent property and downstream facilities from erosion and siltation during project construction. Any damage resulting from such erosion and siltation shall be corrected at the sole expense of the contractor.
(5). When saturated soil is present, water-tight trucks must be used to transport saturated soils from the construction site. Soil may be drained on site at a designated location, using appropriate BMPs. Soil must be drained sufficiently to drip less than one gallon per hour prior to leaving the site.
(6). All materials spilled, dropped, or washed into storm drains must be removed immediately, and the contractor shall provide protection of downstream inlets and catch basins to ensure sediment-laden water does not enter the storm drain system.
(7). All discharge of sediment-laden water must be treated with an appropriate BMP to remove sediment from discharge waters and to comply with SRC and State and Federal regulatory permits.
(8). In areas subject to wind erosion, appropriate BMPs must be used which may include the application of fine water spraying, plastic sheeting, mulching, or other approved measures.
(9). The EPSC measures and BMPs shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these measures shall be upgraded as needed to maintain compliance with all regulations.
(10). The contractor shall provide onsite water or other appropriate BMPs to prevent dust and wind erosion of fine grain soils.
(11). Disturbed areas must be stabilized after 14 days of inactivity, or immediately if rain is forecasted. See subsection 7A.1(d)-Wet Weather Period.
(12). During the wet weather work period or when rain is forecasted, all active and inactive soil stock piles must be covered with appropriate plastic sheeting. Plastic sheeting must cover the entire stock pile and be sufficiently anchored.

(c) Pollutants, Solid Waste and Hazardous Materials Management

(1). Any use of toxic or other hazardous materials must include proper storage, application, and disposal.
(2). The contractor is solely responsible to properly manage pollutants, hazardous wastes, used oils, contaminated soils, concrete waste, sanitary waste, liquid waste, or other toxic substances discovered or generated during construction to prevent leakage, spills or release of pollutants to the environment and surface waters.
(3). Contractor shall develop a project specific written spill prevention and response procedures that includes employee training on spill prevention and proper disposal procedures; regular maintenance schedule for vehicles and machinery; and material delivery and storage controls, signage, material use, and use of covered storage areas for waste and supplies. The plan shall comply with SRC and Federal and State requirements, and shall be available on site at all times.

(d) Wet Weather Period (October 15 through April 30)

(1). Construction activities must avoid or minimize the duration of disturbed areas.
(2). Temporary stabilization of the site including covering of bare soils with approved BMPs, must be installed at the end of the shift before a holiday or weekend, or at the end of each workday if rainfall is forecast in the next 24 hours.
(3). Temporary stabilization or covering of soil stockpiles and protection of stockpiles located away from construction activity must occur at the end of each workday.

(e) Maintenance

(1). Erosion control measures shall be maintained in such a manner as to ensure that erosion is prevented and sediment-laden water does not enter a drainage system, roadway, or violate applicable water quality standards.
(2). Sediment shall not be washed or swept into storm sewers, drainage ways, or water bodies.
(3). Sediment must be removed from behind all sediment control measures when it has reached a height of 1/3 the barrier height, and prior to the control measures removal.
(4). Removal of trapped sediment in a sediment basin or sediment trap or catch basins must occur when the sediment retention capacity has been reduced by 50 percent; is not functioning properly and/or at the completion of project.
(5). Cleaning of all structures, inlet protection BMPs, and sump pumps must be completed regularly and as required to ensure structures and inlets function properly and flow freely.
(6). Construction site exits shall be maintained in a condition that will prevent tracking or flow of mud onto the ROW or approved access point. The entrance may require periodic top dressing as conditions demand, and repair and/or cleanout of any structures used to trap sediment. Wheel washing shall be required to prevent sediment and material tracking on road surfaces if passive BMPs are not effective.

(f) Inspection

(1). The EPSCP must be kept onsite at all times. All measures shown on the plan must be installed properly to ensure compliance with SRC and State and Regulatory permits, and that sediment does not enter a surface water system, roadway, or other properties.
(2). Written EPSC inspection logs shall be maintained onsite and available to city inspectors upon request.
(3). All BMPs shall be inspected at least every week. When a rainfall event exceeds ½" in a 24-hour period, daily inspection of the erosion controls, sediment controls, and discharge outfalls must be conducted and documented. Inspections shall be done by a representative of the permit registrant who is knowledgeable and experienced in the principles, practices, installation, and maintenance of erosion and sediment controls.

(g) Inactive Construction Periods and Post-Construction

(1). Should work cease in any area for 14 days, the inactive area must be stabilized with appropriate soil stabilization BMPs. If all construction activity ceases the entire site must be temporarily stabilized using vegetation, heavy mulch layer, temporary seeding, or other method.
(2). All temporary erosion prevention and sediment control facilities shall be removed by the contractor within 30 days after permanent landscaping/vegetation is established and the threat of erosion and sediment transport has been mitigated.
(3). Temporary grass cover measures must be fully established by October 15 or other cover measures (i.e., erosion control blankets with anchors, one-inch of straw mulch, six mil HDPE plastic sheet, etc.) shall be in place over all disturbed soil areas until April 30. To establish an adequate grass stand for controlling erosion by October 15, it is recommended that seeding and mulching occur by September 1.
(4). Permanent erosion control vegetation on all embankments and disturbed areas shall be re-established as soon as construction is completed.

(h) Specifications

(1). Soil preparation. Topsoil should be prepared according to the landscape plans, if available, or recommendations of the grass seed supplier. Slopes shall be textured before seeding by rack walking (i.e., driving a crawling tractor up and down the slopes to leave a pattern of cleat imprints parallel to slope contours) or other method to provide stable areas for seeds to rest.
(2). Seeding. Erosion control grass seed mix shall be as follows: Dwarf grass mix (low height, low maintenance) consisting of dwarf perennial ryegrass (80 percent by weight), creeping red fescue (20 percent by weight). Application rate shall be 100 pounds per acre minimum.
(3). Grass seed shall be fertilized at a rate of ten pounds per 1,000 square feet with 16-16-16 slow release type fertilizer. Disturbed areas within 50 feet of water bodies and wetlands must use a non-phosphorous fertilizer.
(4). The application rate of fertilizers used to reestablish vegetation shall follow manufacturer's recommendations. Nutrient releases from fertilizers to surface waters shall be minimized. Time release fertilizers shall be used. Care shall be made in the application of fertilizers within any waterway riparian zone to prevent leaching into the waterway.
(5). When used, hydromulch shall be applied with grass seed at a rate of 2,000 pounds per acre between April 30 and June 10, or between September 1 and October 1. On slopes steeper than ten percent, hydroseed and mulch shall be applied with a bonding agent (tackifier). Application rate and methodology shall be in accordance with seed supplier recommendations.
(6). When used in lieu of hydromulch, dry, loose, weed-free straw used as mulch shall be applied at a rate of 4,000 pounds per acre (double the hydromulch application requirement). Anchor straw by working in by hand or with equipment (rollers, cleat trackers, etc.). Mulch shall be spread uniformly immediately following seeding.
(7). When conditions are not favorable to germination and establishment of the grass seed, the Contractor shall irrigate the seeded and mulched areas as required to establish the grass cover.
(8). Sediment fences shall be constructed of continuous filter fabric to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum six-inch overlap, and both ends securely fastened to a post.
(9). The standard strength filter fabric shall be fastened securely to stitched loops installed on the upslope side of the posts, and six inches of the fabric shall be extended into the trench. The fabric shall not extend more than 30 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
(10). Bio-filter bags shall be clean 100 percent wood product waste. Bags shall be 18-inch x 18-inch x 30-inch, weigh approximately 45 pounds, and be contained in a bag made of ½ inch plastic mesh.
(11). Minimum wet weather slope protection. For 3H:1V or steeper slopes use Bon Terra Type C2 or North American Green Type C125 erosion control blankets. Use a minimum of two inches straw mulch or North American Green Type S150 for slopes flatter than 3H:1V and greater than 6H:1V. Slopes flatter than 6H:1V use one inch straw mulch, hydroseed with hydromulch and tackifier. Slope protection shall be placed on all disturbed areas immediately after completion of each section of construction activity, until the erosion control seeding has been established. As an option during temporary or seasonal work stoppages, a six-mil HDPE plastic sheet may be placed on exposed slopes. The plastic sheet shall be provided with an anchor trench at the top and bottom of the slope, and shall be sandbagged on the slopes as required to prevent damage or displacement by wind.

GENERAL EPSC NOTES

1. THE CONTRACTOR SHALL PROVIDE DAILY MEASURES TO ENSURE SEDIMENT CONTROL DURING NON-WORK HOURS.

2. THE CONTRACTOR SHALL PROVIDE PROTECTION AS REQUIRED ON PRIVATE INLETS TO ENSURE SEDIMENT CONTROL WITHIN THE WORK AREA.

3. THE PROJECT SITE SHALL HAVE A CONCRETE WASHOUT BASIN AVAILABLE PER STD. PLAN 917 OR APPROVED EQUAL.

4. ALL TEMPORARY STOCKPILES AND CONCRETE MANAGEMENT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FEET FROM ANY DRAINAGE INLET OR WATERCOURSE.

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ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

NO.	DESCRIPTION	DATE	BY
1			
2			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

EPSC NOTES

EC-01

SHEET 6 OF 32

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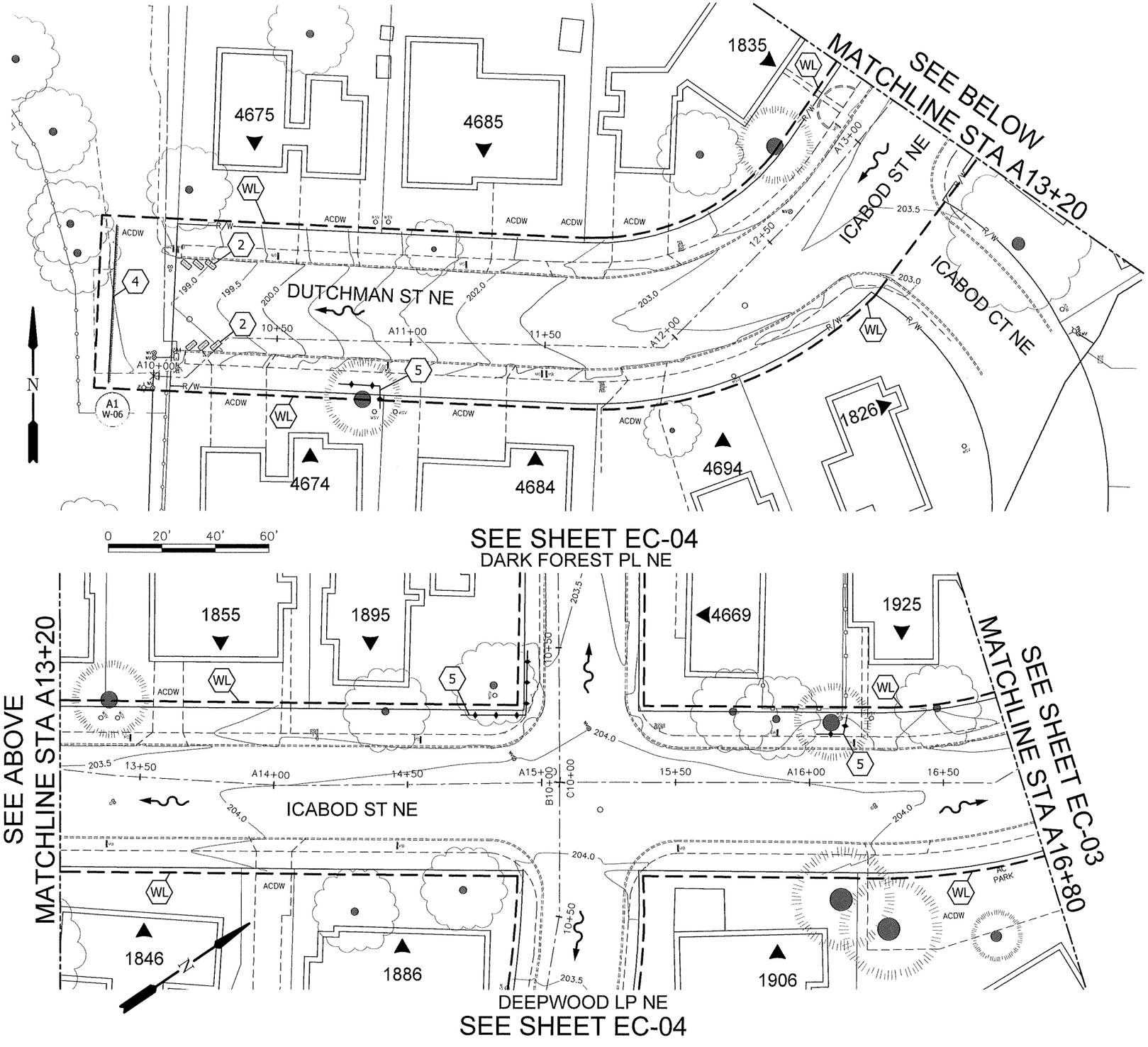

SHEET KEYNOTES

1. INSTALL INLET PROTECTION SILT SACK PER STD. PLAN 913.

   EXISTING NEW

   NOTE: THIS IS REQUIRED ON ALL INLETS RECEIVING FLOW FROM THE PROJECT, INCLUDING EXISTING INLETS TO BE REMOVED AND NEW INLETS ONCE INSTALLED.

2. INSTALL BIOFILTER BAG CHECK DAM PER STD. PLAN 914 OR 916 WHICHEVER IS SHOWN.

   914 OR 916

3. INSTALL SEDIMENT FENCE PER STD. PLAN 902.

4. INSTALL WATTLES OVERLAND FLOW PER STD. PLAN 903 OR BIOFILTER BAG OVERLAND FLOW PER STD. PLAN 904.

5. INSTALL TREE PROTECTION FENCE PER STD. PLAN 820.

WL EROSION CONTROL WORK LIMITS

FLOW ARROW (EXISTING CONDITIONS PRIOR TO CONSTRUCTION)

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CHECKED:	
APPROVED:	

SHEET TITLE

ICABOD ST NE

EPSC PLAN

STA A10+00 TO A16+80

EC-02

SHEET 7 OF 32

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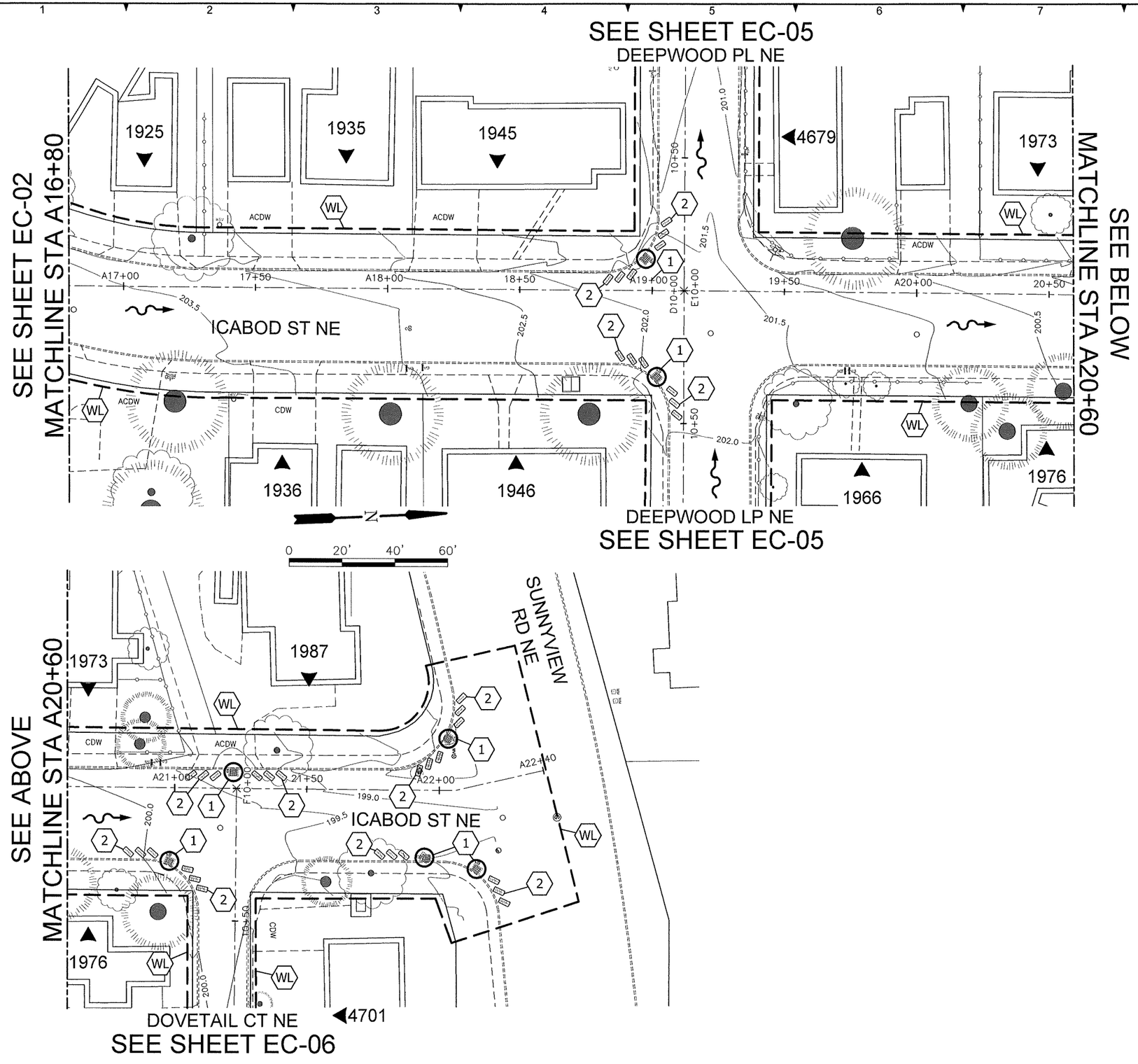

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FLOW ARROW (EXISTING CONDITIONS PRIOR TO CONSTRUCTION)

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CHECKED:	
APPROVED:	

SHEET TITLE

ICABOD ST NE

EPSC PLAN

STA A16+80 TO A22+15

EC-03

SHEET 8 OF 32

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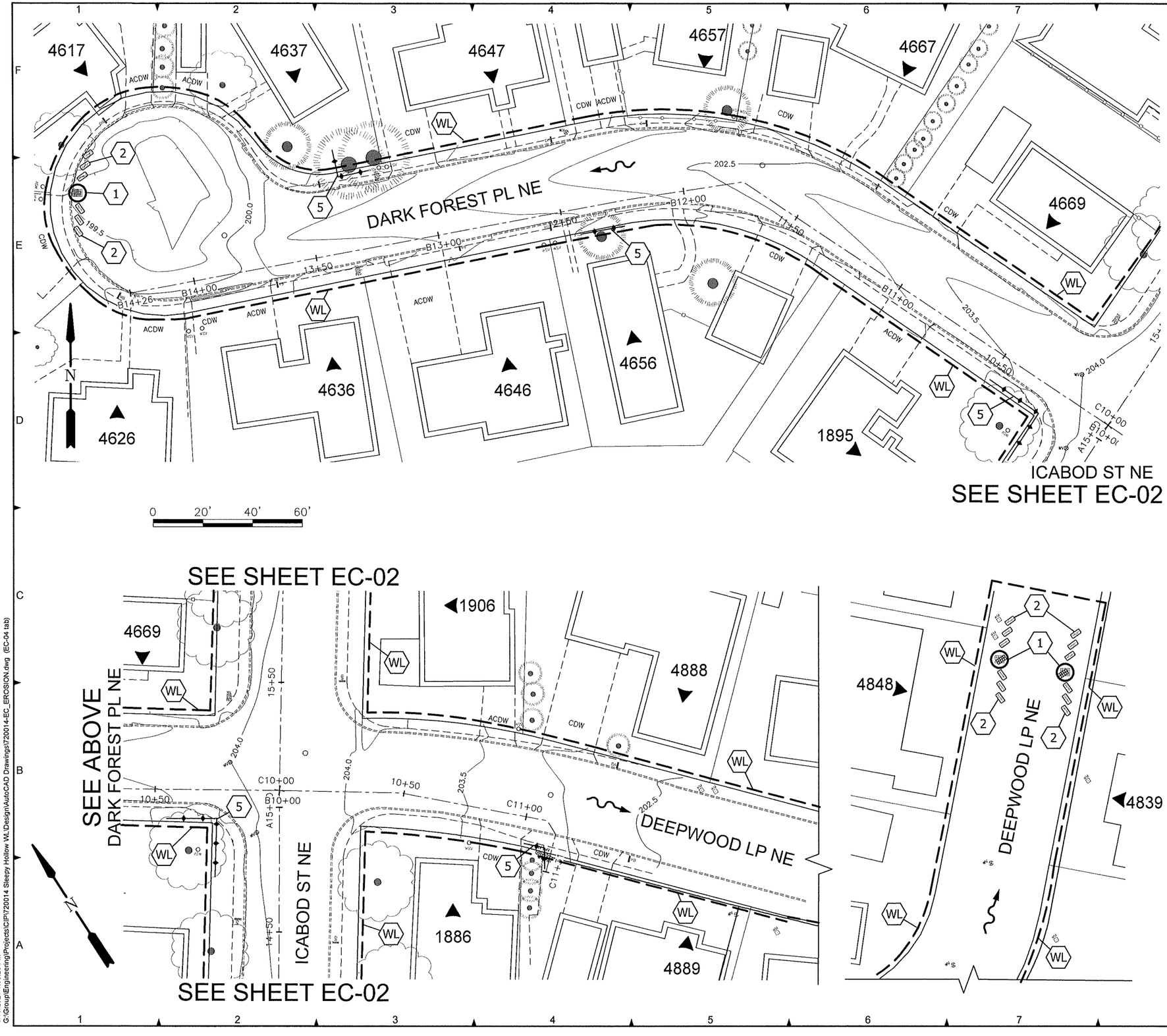

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WL EROSION CONTROL WORK LIMITS

FLOW ARROW (EXISTING CONDITIONS PRIOR TO CONSTRUCTION)

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APPROVED:	

SHEET TITLE

DARK FOREST PL NE
DEEPWOOD LP NE

EPSC PLAN

STA B10+00 TO B14+30
STA C10+00 TO END

EC-04

SHEET 9 OF 32

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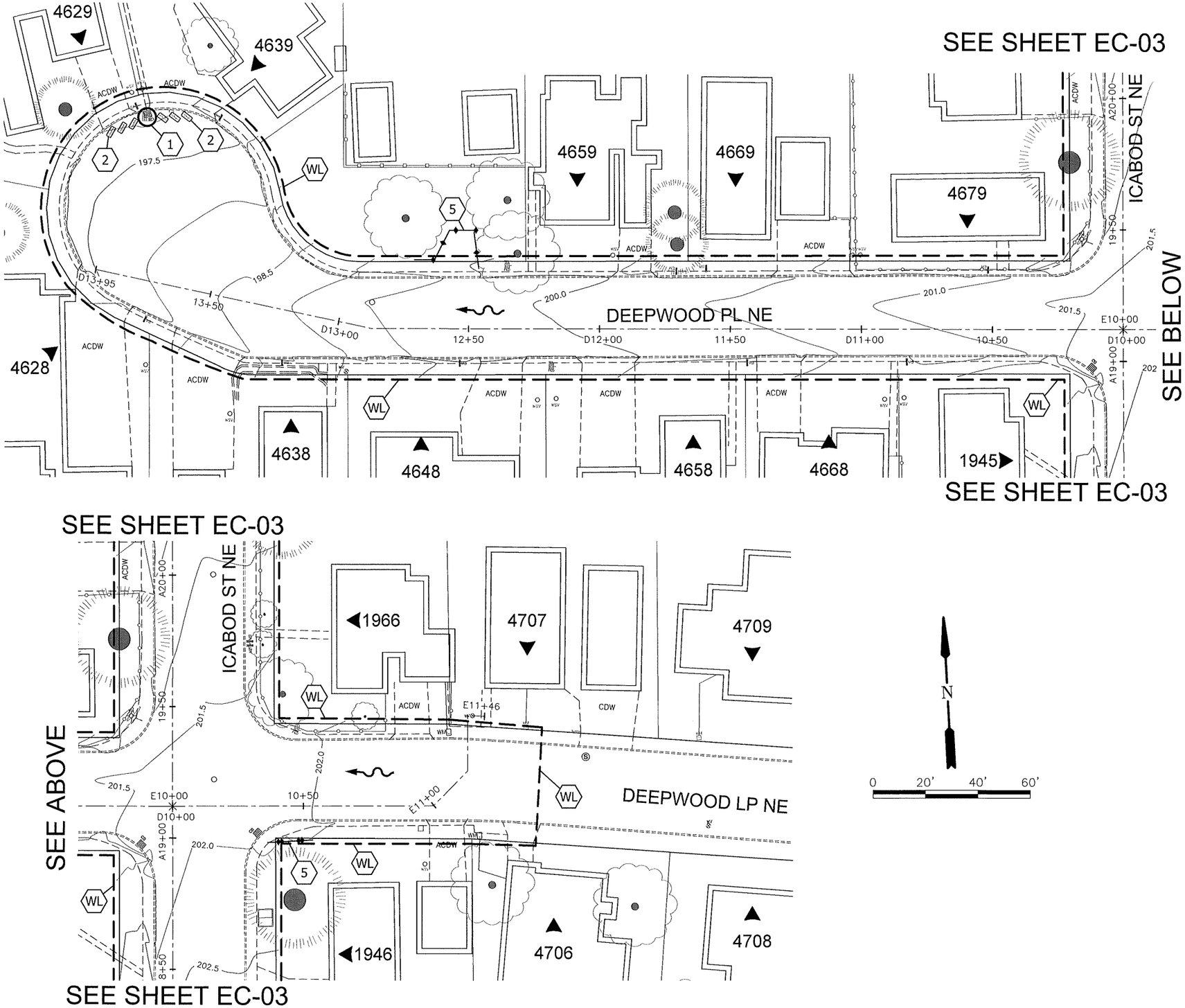

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FLOW ARROW (EXISTING CONDITIONS PRIOR TO CONSTRUCTION)

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DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DEEPWOOD PL NE
DEEPWOOD LP NE

EPSC PLAN
STA D10+00 TO D13+95
STA E10+00 TO E11+50

EC-05

SHEET 10 OF 32

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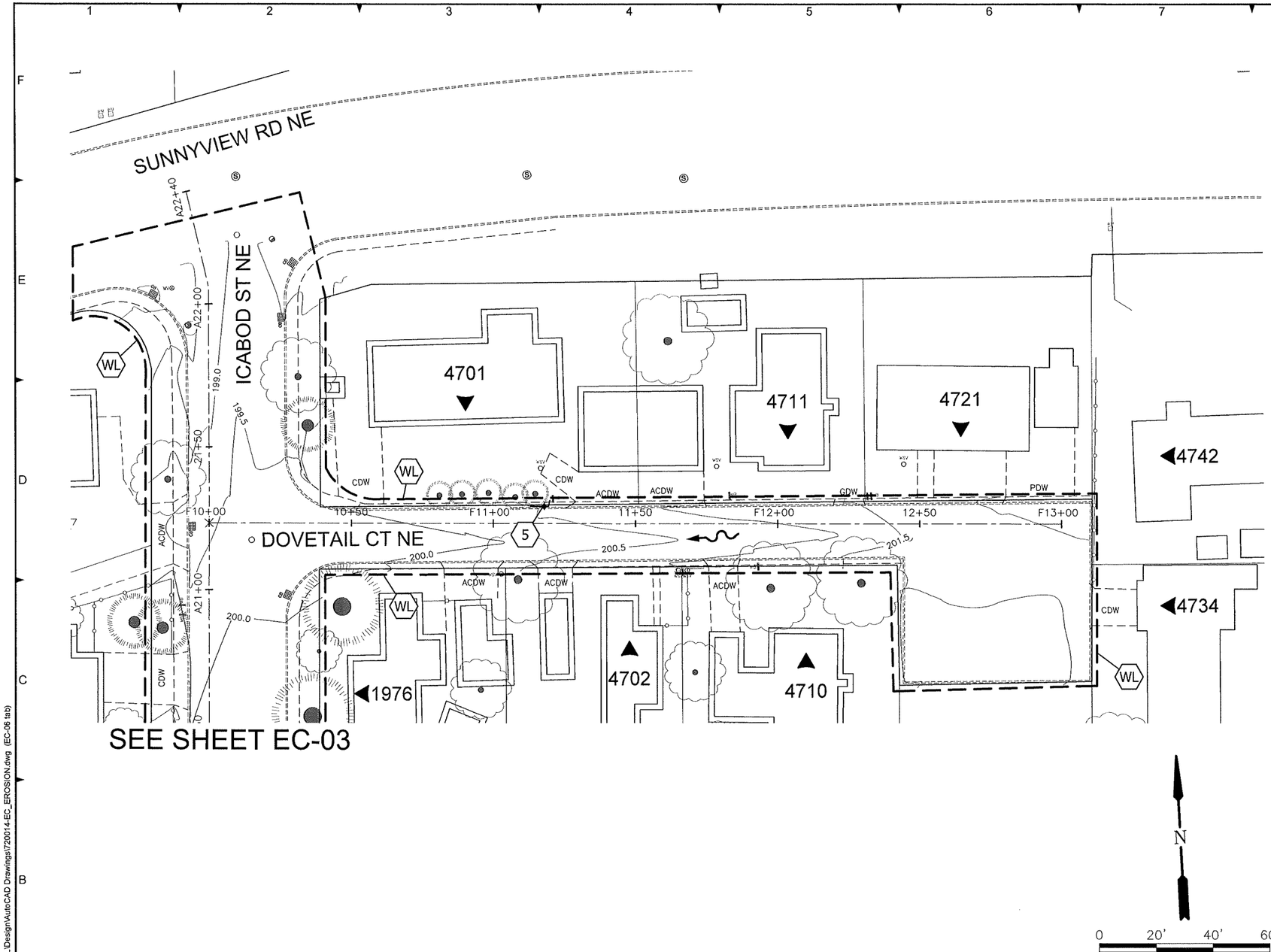

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WL EROSION CONTROL WORK LIMITS

FLOW ARROW (EXISTING CONDITIONS PRIOR TO CONSTRUCTION)

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SHEET TITLE

DOVETAIL CT NE

EPSC PLAN

STA F10+00 TO F12+37

EC-06

SHEET 11 OF 32

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TRAFFIC CONTROL NOTES:

1.) CONTRACTOR TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL GUIDELINES FOR TRAFFIC CONTROL.

2.) REFER TO THE MUTCD AND THE OREGON TEMPORARY TRAFFIC CONTROL HANDBOOK (OTTCH) FOR DISTANCES BETWEEN SIGNS AND CONES, UNLESS OTHERWISE NOTED.

3.) USE FLAGGERS AND TEMPORARY TRAFFIC CONTROL AS REQUIRED REFER TO THE MUTCD AND OTTCH.

4.) SEE SPECIAL PROVISIONS FOR STREET WORK TIME LIMITATIONS.

5.) MAINTAIN LOCAL ACCESS OFF ICABOD ST NE AT ALL TIMES.

6.) CONTRACTOR SHALL PROTECT TRAFFIC AND SHALL PROVIDE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION.

7.) SIGN LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE ADJUSTED IN THE FIELD FOR CONFLICTS SUCH AS SIGHT DISTANCE, DRIVEWAYS, LANDSCAPING, UTILITIES, ETC.

8.) THE STAGING PLANS PROVIDE GUIDANCE FOR PLACEMENT OF SIGNAGE AND CHANNELIZING DEVICES, CERTAIN CONSTRUCTION ACTIVITIES MAY REQUIRE ADDITIONAL SIGNS OR CHANNELIZING DEVICES.

9.) SIGNS PLACED CONTINUOUSLY FOR LONGER THAN THREE DAYS SHALL BE POST-MOUNTED.

10.) ALL FLEXIBLE SIGNS AND PORTABLE SIGN SUPPORTS SHALL BE CRASHWORTHY.

11.) RIGID SIGNS MAY BE USED ON BARRICADES WHEN APPROPRIATELY CRASH TESTED.

12.) PLACE COVER OVER STOP SIGN WHEN FLAGGING.

SIGNS

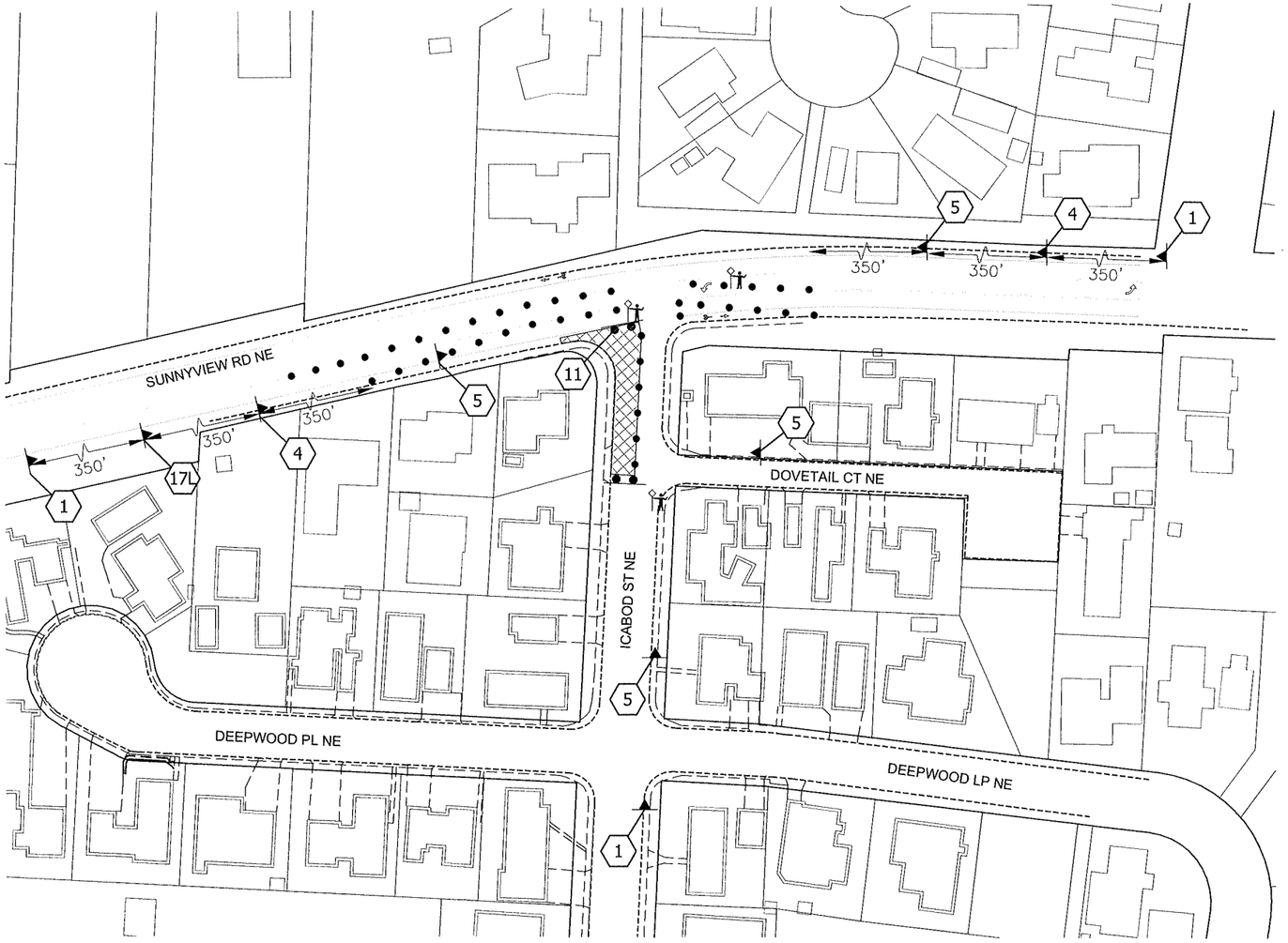
1 — ROAD WORK AHEAD

4 — BE PREPARED TO STOP
OW 23-3
36" x 36"

5 — FLAGGER AHEAD
W20-7
36" x 36"

11 — LOCAL ACCESS ONLY
24" x 30"

17L
W1-4
30" x 30"



LEGEND

WORK ZONE

NOTE: USE LIGHTED BARRICADES AND DRUMS.

TYPE III BARRICADE (MIN. 8' WIDE - REFER TO THE OTTCH, PAGE 36)

PORTABLE SIGN

FLAGGER

28" TUBULAR MARKERS (SPACING = AS SHOWN)

N

0 50' 100' 150'

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SHEET TITLE

TEMPORARY TRAFFIC CONTROL

ADVANCED SIGNING

TC-01

SHEET 12 OF 32

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DRAWING NOT TO SCALE

INDICATE NORTH

ROAD WORK AHEAD

Spotter

VARIES
STREET NAME

DOWNSTREAM TAPER
100 FT per lane maximum

WORK ZONE

VARIABLE AS NEEDED
WORK SITE ADDRESS

_____ FT
BUFFER SPACE
OPTIONAL

FLAGGER TAPER
100 FT maximum

ICABOD ST NE
STREET NAME

DUTCHMAN ST NE
BETWEEN

SUNNYVIEW RD NE
AND

25 M.P.H.
POSTED SPEED

ALL LENGTHS ARE MINIMUM DISTANCES UNLESS OTHERWISE NOTED

PLACE ROAD WORK AHEAD SIGNS ON ALL SIDE STREETS, WITHIN THE TRAFFIC CONTROL ZONE

FOR DIMENSIONS CONSULT CITY OF SALEM "TEMPORARY TRAFFIC CONTROL SPACING TABLES"

STOP = FLAGGER

Spotter

ROAD WORK AHEAD

Sight distance shall be maintained at all public and private intersections and driveways. If sight distance is not achievable, prior approval by the City Traffic Engineer is required to either restrict turn movements or use flaggers and shall include coordination with the affected property/business owner(s).

(TCP REF)
LC-101 A –
Spotter Local
Street

STREET CLOSURE, CUL-DE-SAC

ROAD WORK AHEAD

ROAD WORK AHEAD

ICABOD ST NE

ROAD WORK AHEAD

STREET CLOSED LOCAL ACCESS ONLY

DOVETAIL CT NE
DEEPWOOD PL NE
DARK FOREST PL NE
DUTCHMAN ST NE

INDICATE NORTH

WORK SITE ADDRESS

WORK ZONE

Sight distance shall be maintained at all public and private intersections and driveways. If sight distance is not achievable, prior approval by the City Traffic Engineer is required to either restrict turn movements or use flaggers and shall include coordination with the affected property/business owner(s).

(TCP REF)
SC-110

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SHEET TITLE

TEMPORARY TRAFFIC CONTROL

LANE CLOSURE

TC-02

SHEET 13 OF 32

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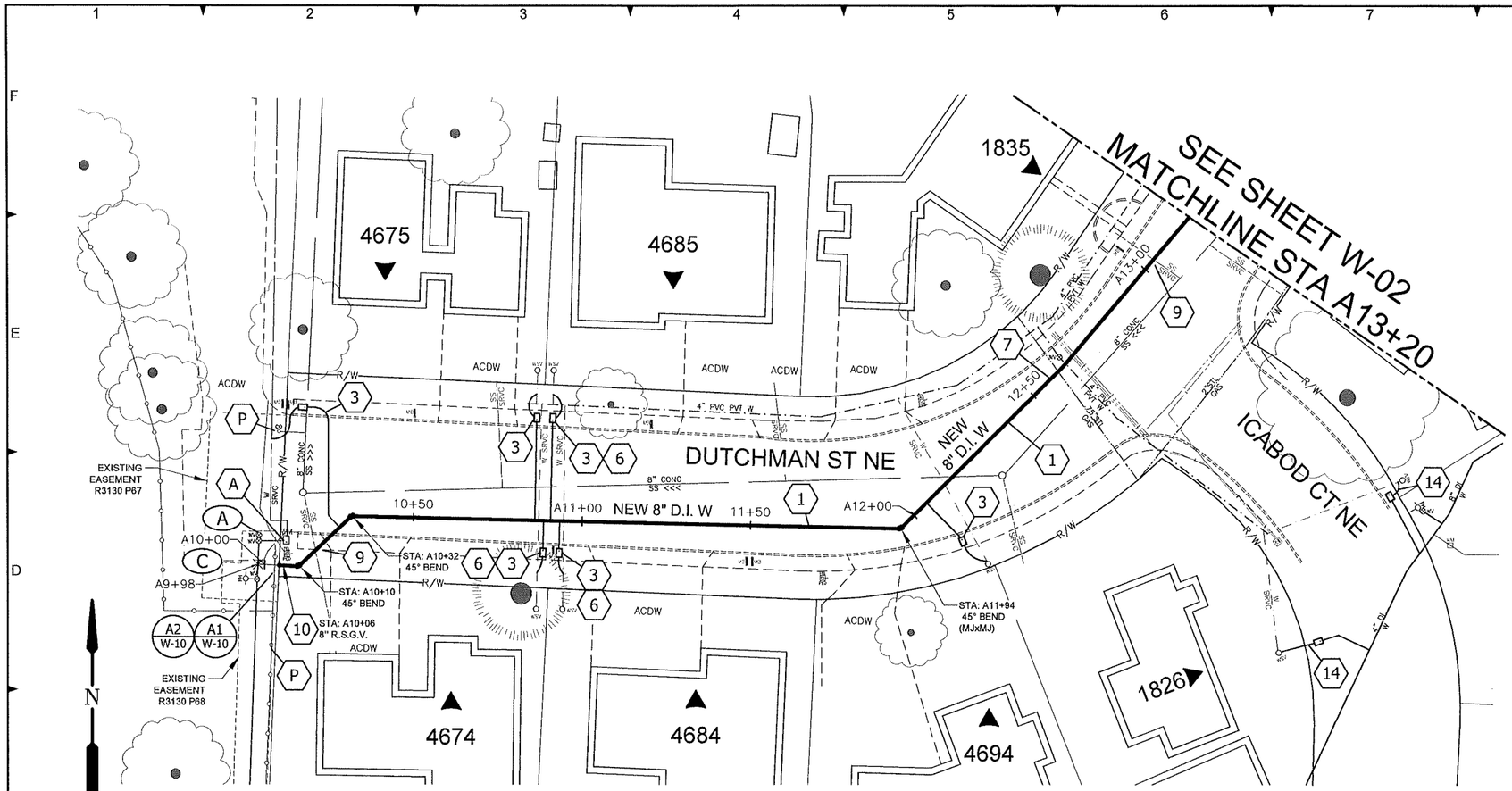

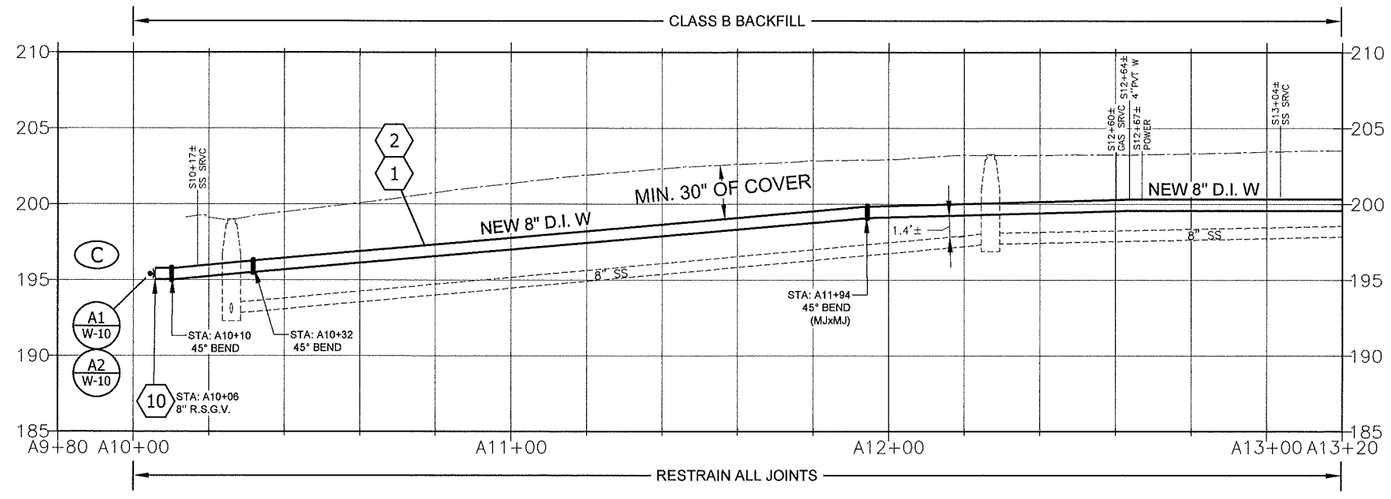

CITY FORCES SHALL

- (A) ABANDON
- (C) CONNECT EXISTING TO NEW MAIN

SHEET KEYNOTES

1. CONSTRUCT (SIZE AS SHOWN) CLASS 52 DUCTILE IRON PIPE. MAINTAIN MINIMUM 36" OF COVER FROM FINISH GRADE.
2. DEFLECT PIPE VERTICALLY. MAXIMUM DEFLECTION PER MANUFACTURER'S RECOMMENDATION.
3. CONSTRUCT NEW WATER SERVICE. NEW SERVICES SHALL BE 1" PIPE UNLESS OTHERWISE NOTED. SEE SEQUENCING DETAIL C2 AND METER INSTALL DETAIL C5 ON SHEET W-14.
4. CONSTRUCT FIRE HYDRANT ASSEMBLY PER DETAIL FH ON SHEET W-12. FIELD VERIFY.
6. BORE, HAND DIG, OR VACUUM EXCAVATE WITHIN CRITICAL TREE ZONE. SEE DETAILS AND SCS FOR ADDITIONAL REQUIREMENTS.
7. DEFLECT PIPE HORIZONTALLY. MAXIMUM DEFLECTION PER MANUFACTURER'S RECOMMENDATION.
9. POTHOLE TO CONFIRM DEPTH OF EXISTING SANITARY SEWER. IF MINIMUM SEPARATION REQUIREMENTS PER OAT 333 ARE NOT ACHIEVED, REPLACE ONE 18' SECTION OF SEWER LATERAL WITH CL 50 DI PIPE. REFERENCE SECTIONS 402 AND 510.42 OF THE SPECIAL PROVISIONS.
10. CONSTRUCT 2" BLOWOFF WITH 8" INLINE GATE VALVE PER STD. PLAN 405.
11. CONSTRUCT NEW WATER SERVICE. NEW SERVICES SHALL BE 1" PIPE UNLESS OTHERWISE NOTED. SEE SEQUENCING DETAIL D2 ON SHEET W-14.
14. WATER SERVICE AND METER TO BE INSTALLED BY CITY. CONTRACTOR TO RECONNECT CUSTOMER SERVICE LINE TO NEW WATER METER.
- (A) CONTRACTOR TO ABANDON.
- (P) CONTRACTOR TO PROTECT.

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SHEET TITLE

ICABOD ST NE
'A' WATER LINE PLAN & PROFILE
STA A10+00 TO A13+20

W-01

SHEET 14 OF 32

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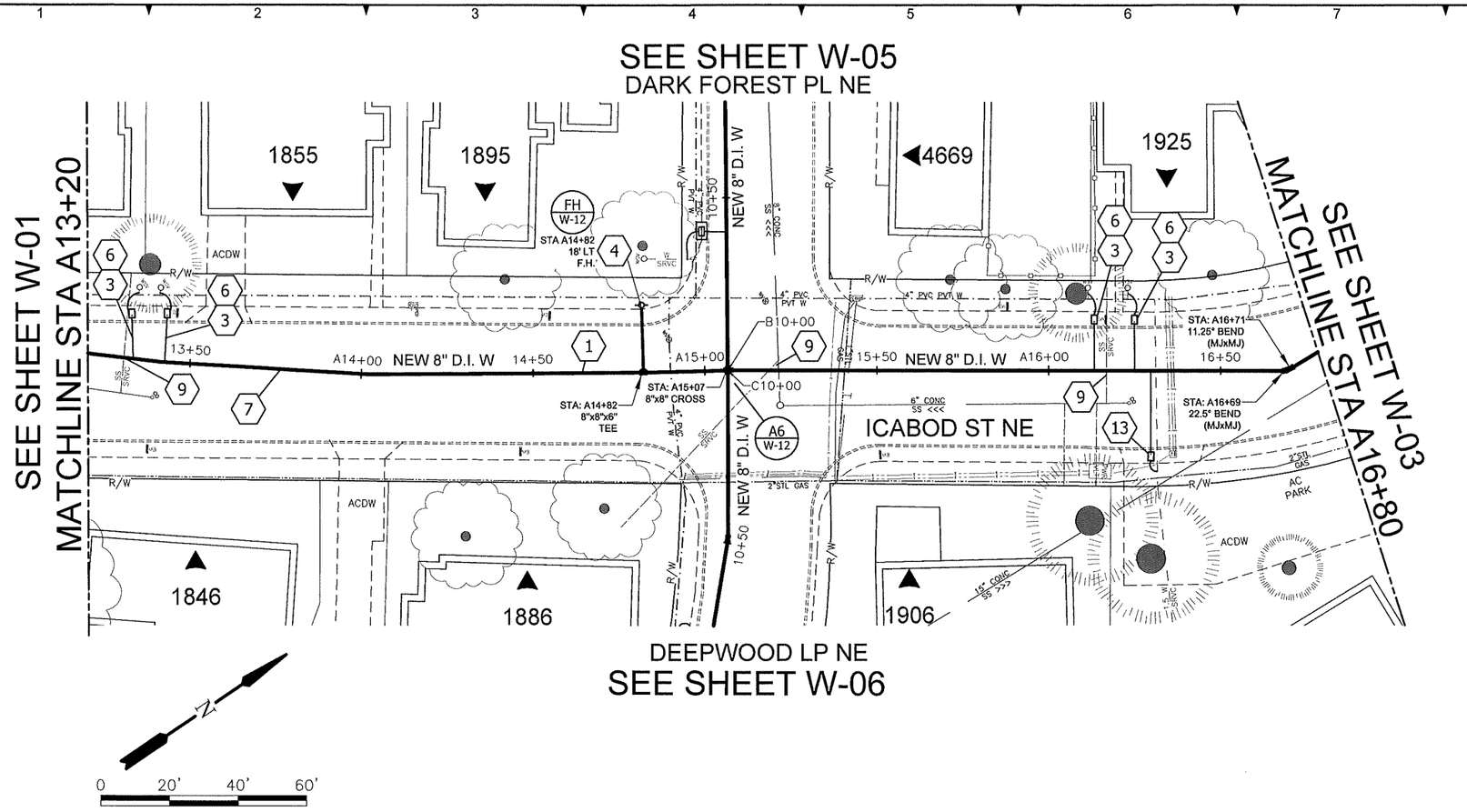

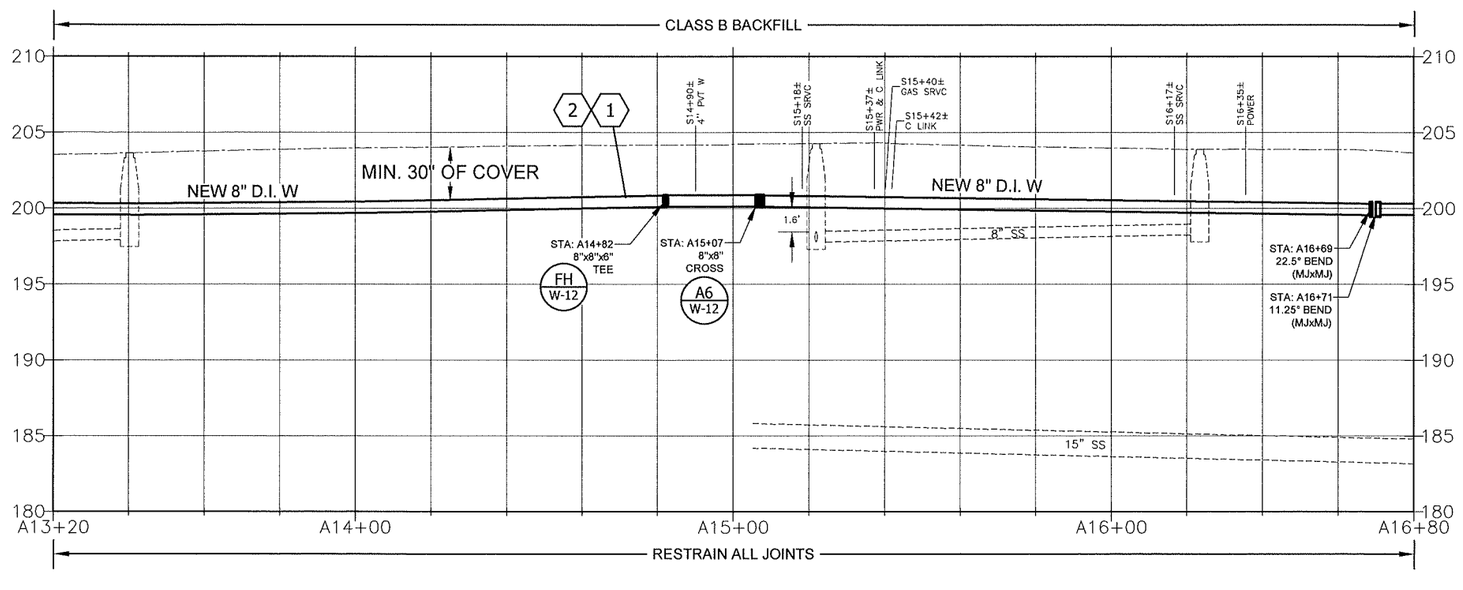

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4. CONSTRUCT FIRE HYDRANT ASSEMBLY PER DETAIL FH ON SHEET W-12. FIELD VERIFY.
5. CONSTRUCT 2" BLOWOFF ASSEMBLY PER STD. PLAN 407.
6. BORE, HAND DIG, OR VACUUM EXCAVATE WITHIN CRITICAL TREE ZONE. SEE DETAILS AND SCS FOR ADDITIONAL REQUIREMENTS.
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13. CONSTRUCT NEW 1.5" WATER SERVICE PER STD. PLAN 419. SEE SEQUENCING DETAIL C2 AND METER INSTALL DETAIL C5 ON SHEET W-14.

(P) CONTRACTOR TO PROTECT.

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ICABOD ST NE

'A' WATER LINE PLAN & PROFILE

STA A13+20 TO A16+80

W-02

SHEET 15 OF 32

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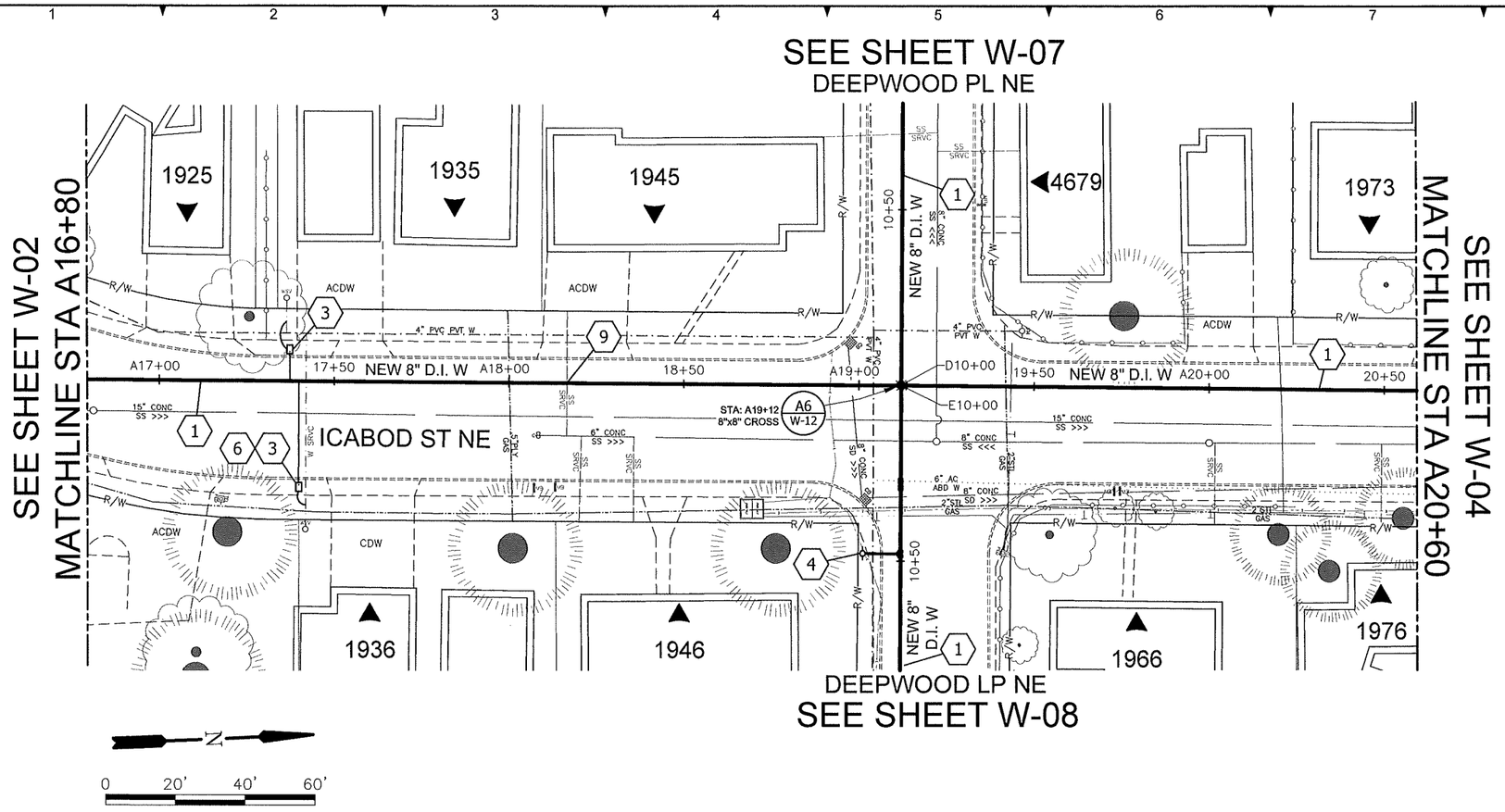

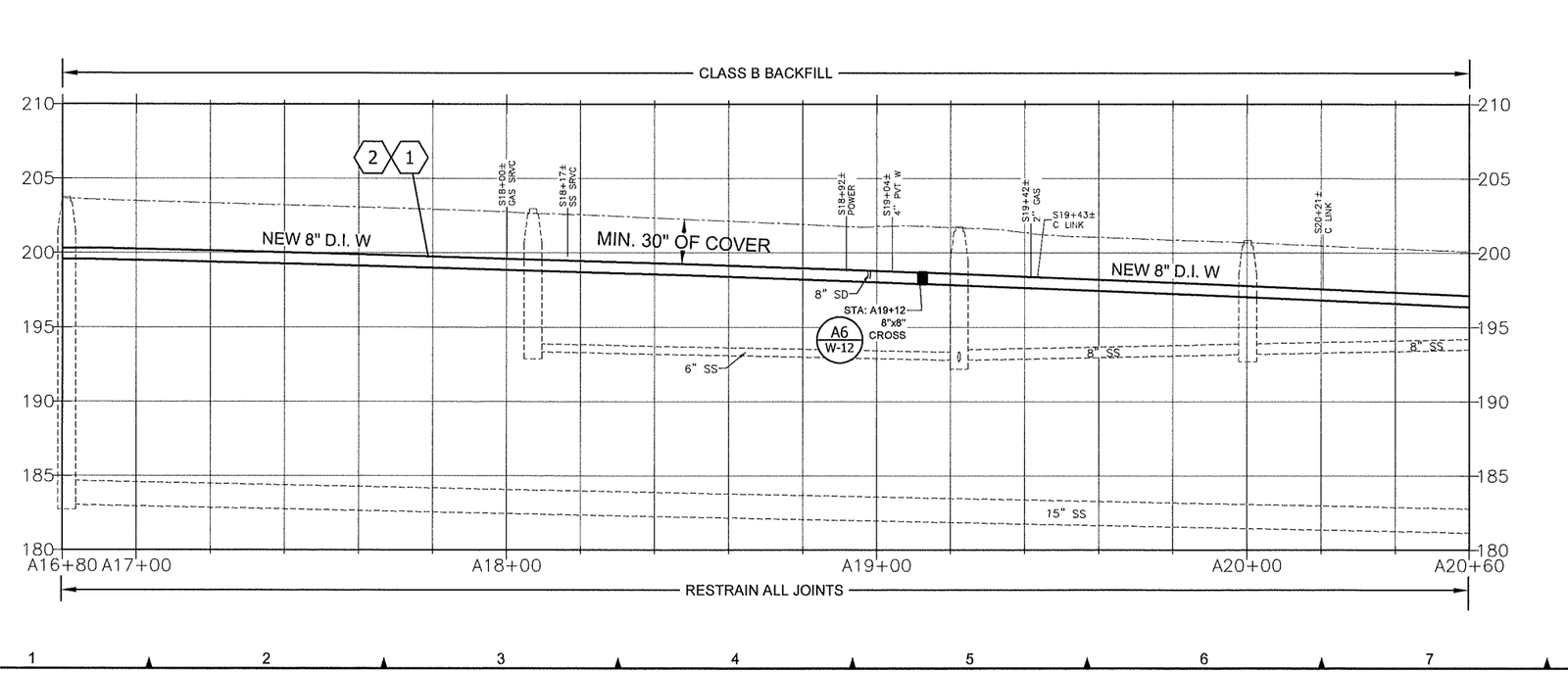

CITY FORCES SHALL

- (A) ABANDON
- (C) CONNECT EXISTING TO NEW MAIN

SHEET KEYNOTES

1. CONSTRUCT (SIZE AS SHOWN) CLASS 52 DUCTILE IRON PIPE. MAINTAIN MINIMUM 36" OF COVER FROM FINISH GRADE.
2. DEFLECT PIPE VERTICALLY. MAXIMUM DEFLECTION PER MANUFACTURER'S RECOMMENDATION.
3. CONSTRUCT NEW WATER SERVICE. NEW SERVICES SHALL BE 1" PIPE UNLESS OTHERWISE NOTED. SEE SEQUENCING DETAIL C2 AND METER INSTALL DETAIL C5 ON SHEET W-14.
4. CONSTRUCT FIRE HYDRANT ASSEMBLY PER DETAIL FH ON SHEET W-12. FIELD VERIFY.
5. CONSTRUCT 2" BLOWOFF ASSEMBLY PER STD. PLAN 407.
6. BORE, HAND DIG, OR VACUUM EXCAVATE WITHIN CRITICAL TREE ZONE. SEE DETAILS AND SCS FOR ADDITIONAL REQUIREMENTS.
9. POTHOLE TO CONFIRM DEPTH OF EXISTING SANITARY SEWER. IF MINIMUM SEPARATION REQUIREMENTS PER OAT 333 ARE NOT ACHIEVED, REPLACE ONE 18' SECTION OF SEWER LATERAL WITH CL 50 DI PIPE. REFERENCE SECTIONS 402 AND 510.42 OF THE SPECIAL PROVISIONS.

- (P) CONTRACTOR TO PROTECT.

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

NO.	DESCRIPTION	DATE	BY
1			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

ICABOD ST NE
'A' WATER LINE PLAN & PROFILE
STA A16+80 TO A20+60

W-03

SHEET 16 OF 32

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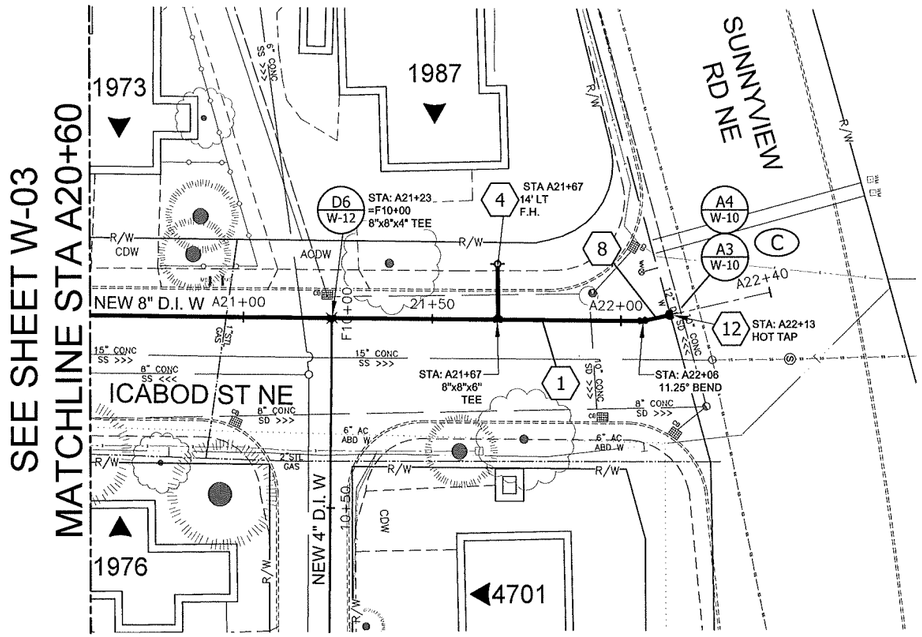

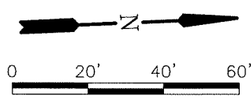

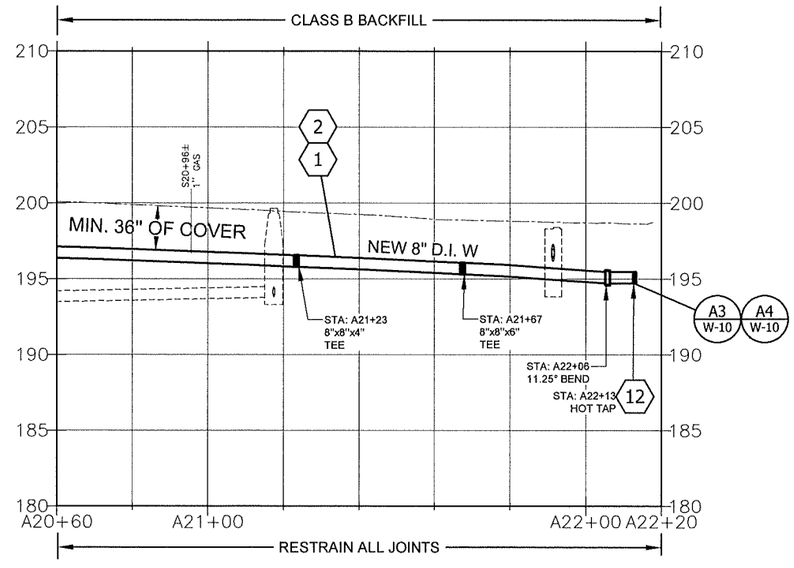

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5. CONSTRUCT 2" BLOWOFF ASSEMBLY PER STD. PLAN 407.
6. BORE, HAND DIG, OR VACUUM EXCAVATE WITHIN CRITICAL TREE ZONE. SEE DETAILS AND SCS FOR ADDITIONAL REQUIREMENTS.
8. CONSTRUCT 1" CHLORINATION TAP PER STD. PLAN 412.
12. CONTRACTOR TO COORDINATE TAP BY CITY FORCES. SEE SPECIAL PROVISIONS 510.46.

(P) CONTRACTOR TO PROTECT.

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

ICABOD ST NE

'A' WATER LINE PLAN & PROFILE

STA A20+60 TO A22+12

W-04

SHEET 17 OF 32

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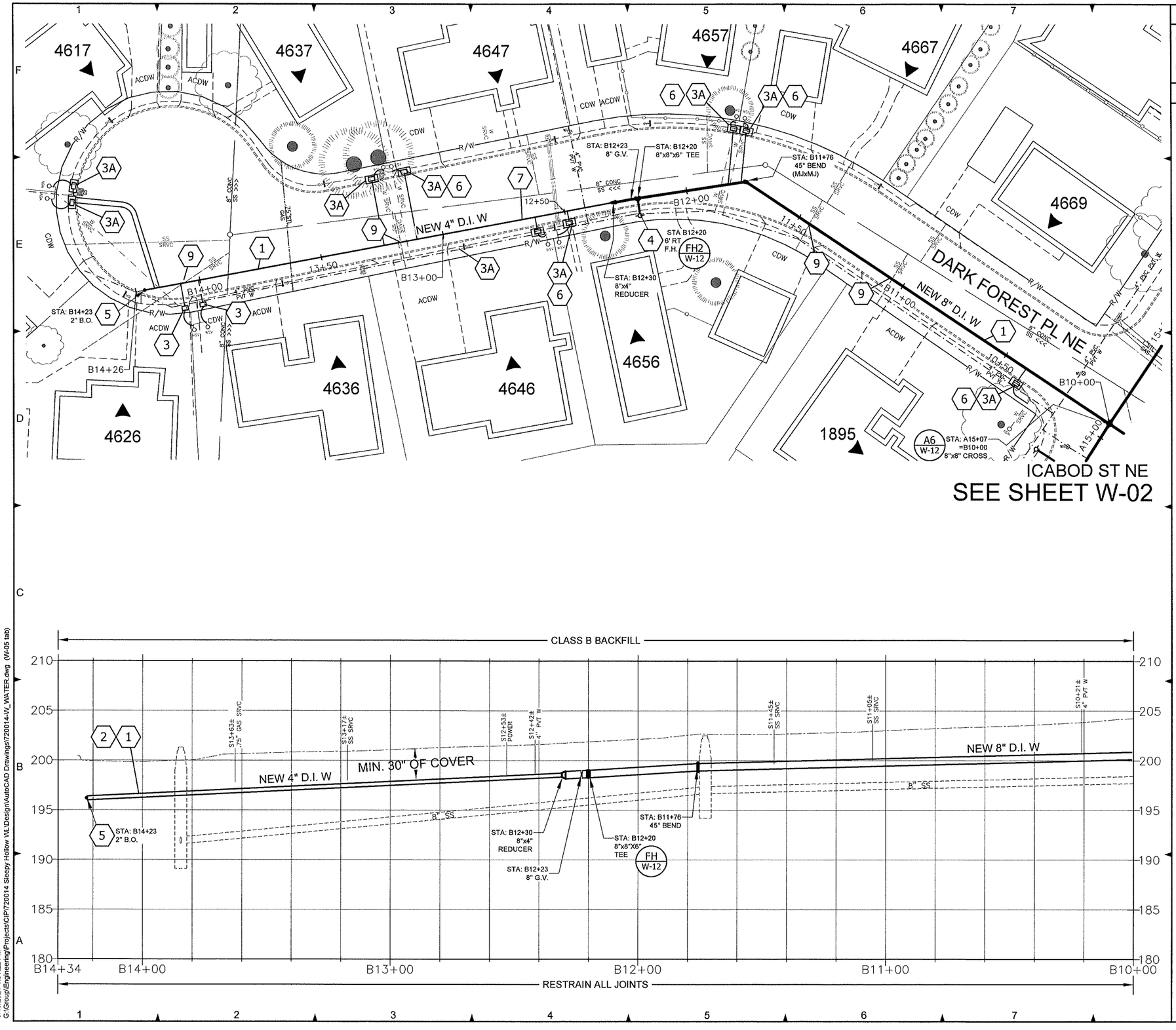

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7. DEFLECT PIPE HORIZONTALLY. MAXIMUM DEFLECTION PER MANUFACTURER'S RECOMMENDATION.
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(P) CONTRACTOR TO PROTECT.

N

0 20' 40' 60'

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION

SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DARK FOREST PL NE

'B' WATER LINE PLAN & PROFILE

STA B10+00 TO B14+30

W-05

SHEET 18 OF 32

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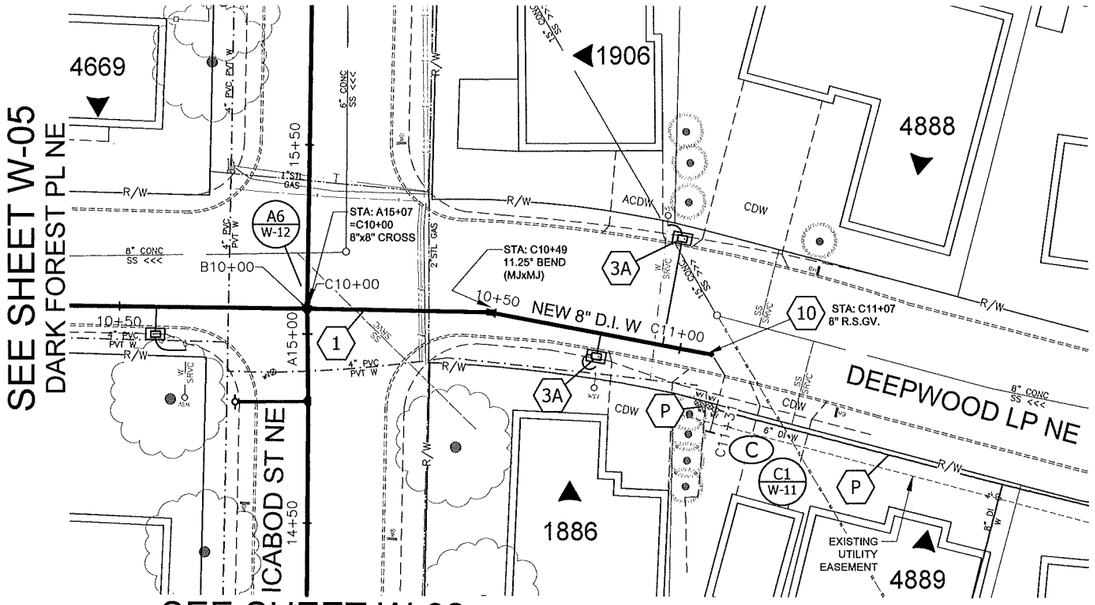

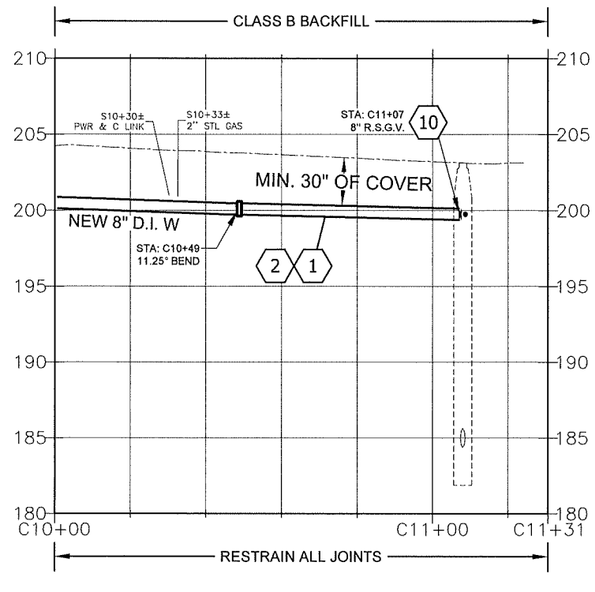

CITY FORCES SHALL

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10. CONSTRUCT 2" BLOWOFF WITH 8" INLINE GATE VALVE PER STD. PLAN 405.

(P) CONTRACTOR TO PROTECT.

N

0 20' 40' 60'

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION

SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DEEPWOOD LP NE

'C' WATER LINE PLAN & PROFILE

STA C10+00 TO C11+25

W-06

SHEET 19 OF 32

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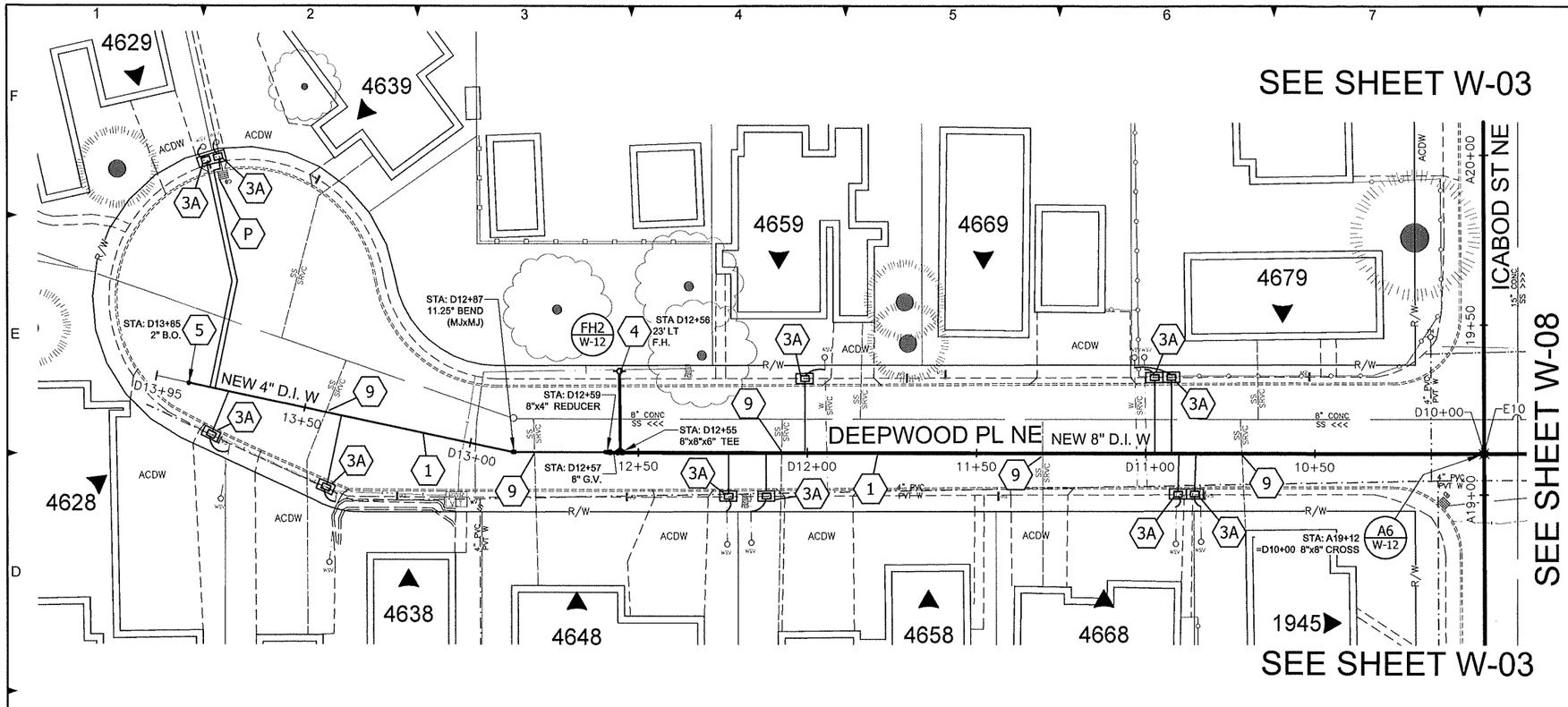

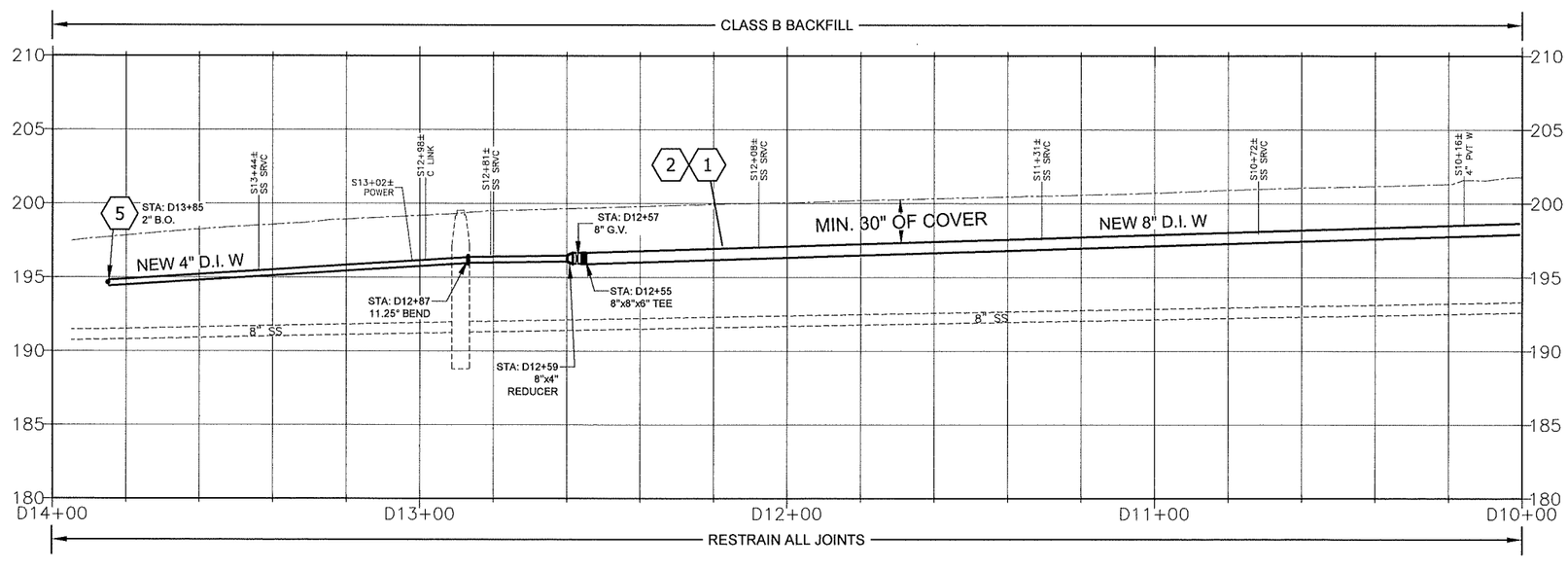

CITY FORCES SHALL

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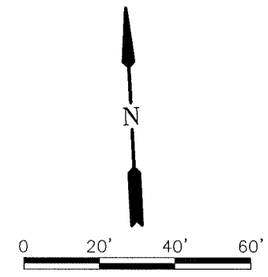
- (P) CONTRACTOR TO PROTECT.



CITY OF Salem AT YOUR SERVICE

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SALEM PUBLIC WORKS DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DEEPWOOD PL NE
'D' WATER LINE PLAN & PROFILE
STA D10+00 TO D13+95

W-07

SHEET 20 OF 32

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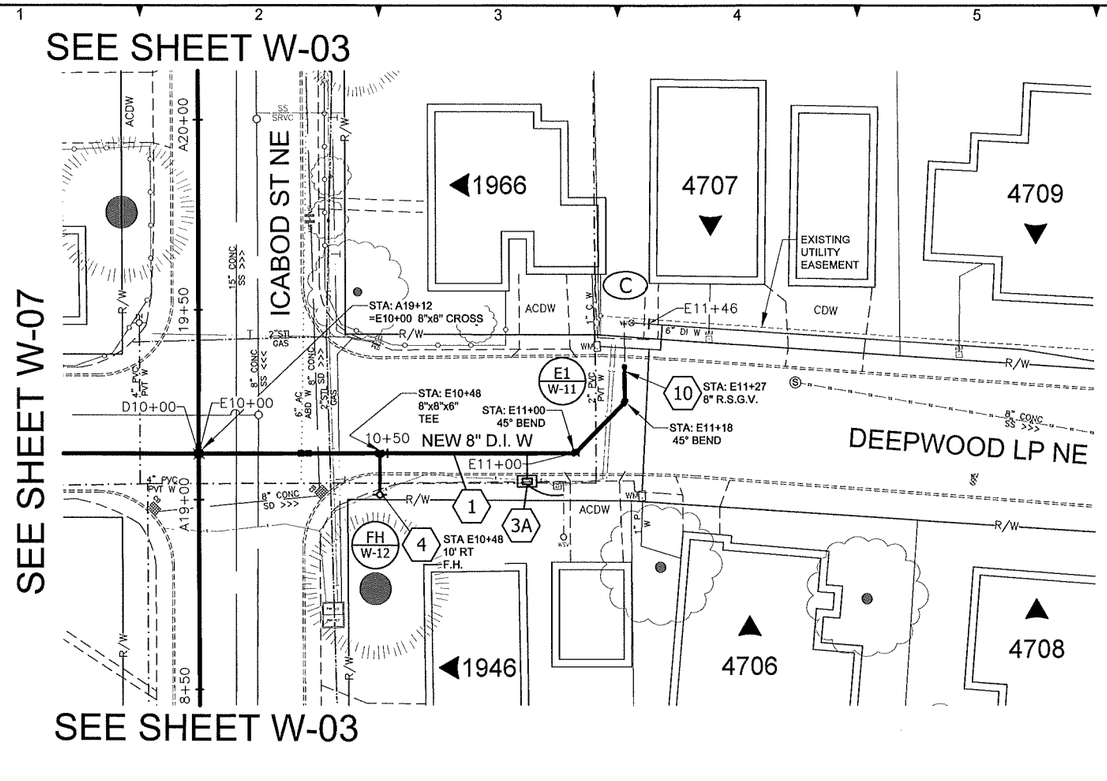

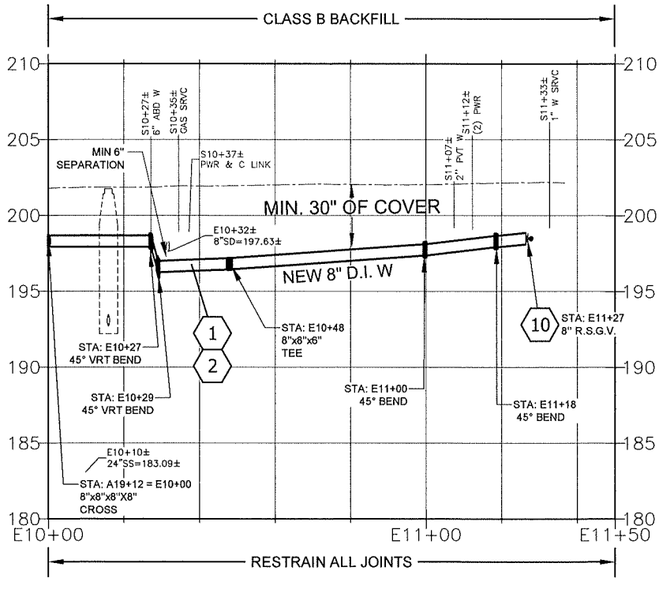

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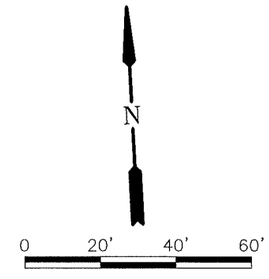

CITY OF Salem AT YOUR SERVICE

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DEEPWOOD LP NE

'E' WATER LINE PLAN & PROFILE

STA E10+00 TO E11+47

W-08

SHEET 21 OF 32

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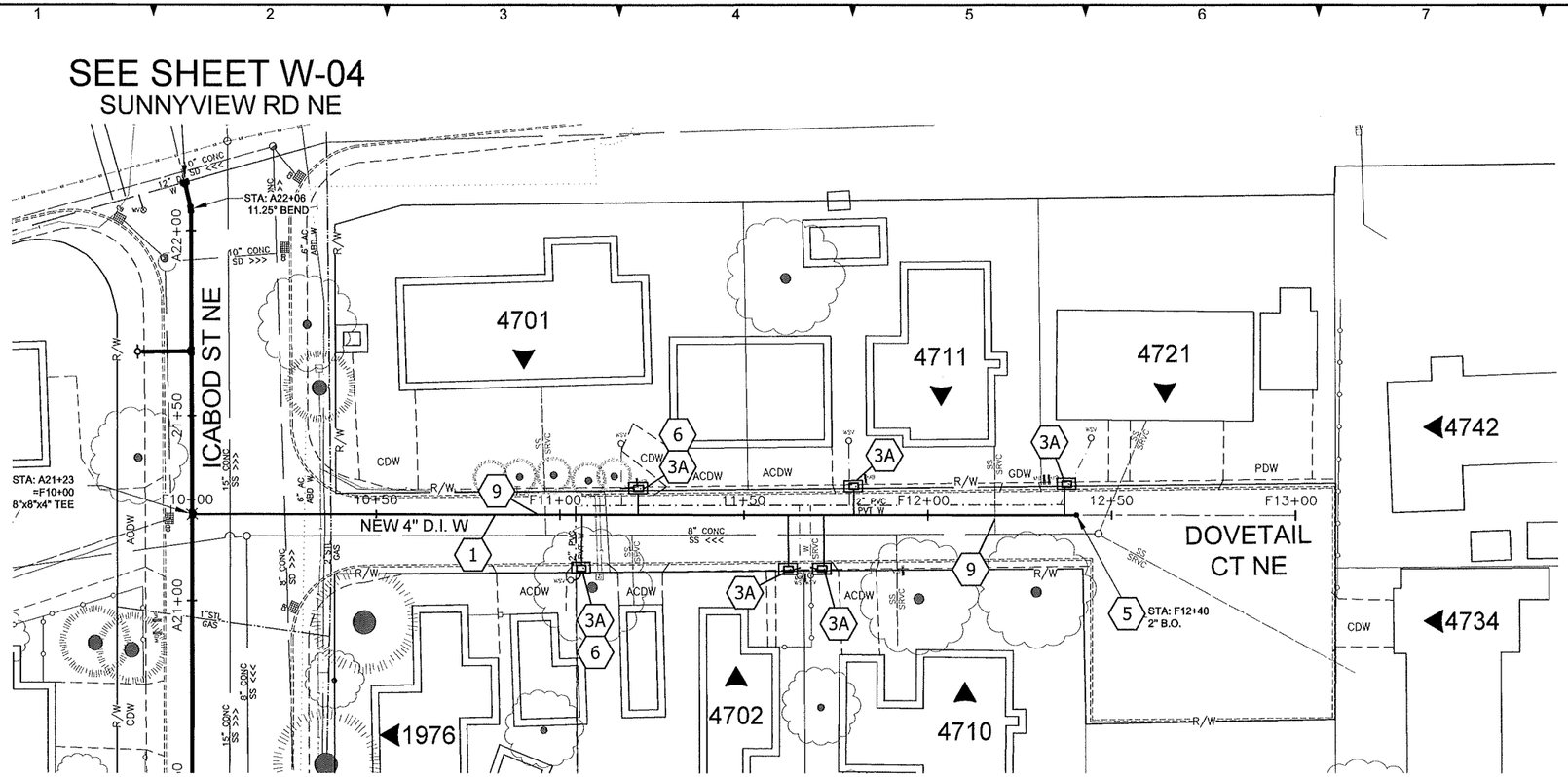

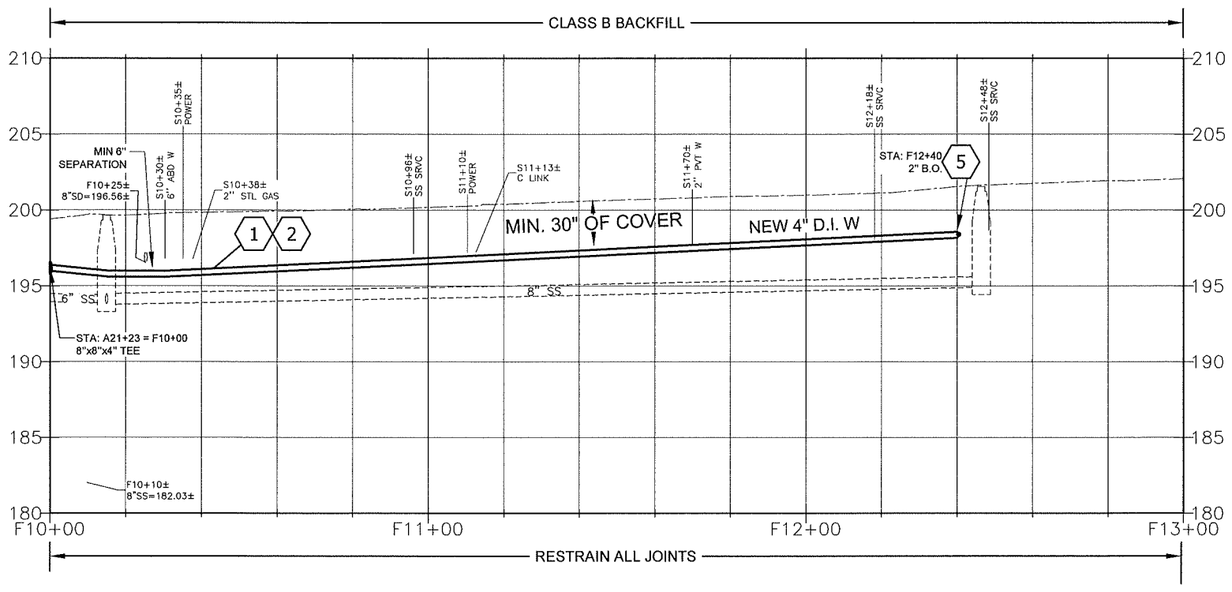

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N

0 20' 40' 60'

CITY OF Salem AT YOUR SERVICE

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REGISTERED PROFESSIONAL ENGINEER
65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DOVETAIL CT NE

'F' WATER LINE PLAN & PROFILE

STA F10+00 TO F12+37

W-09

SHEET 22 OF 32

8/19/2021 1:30:10 PM
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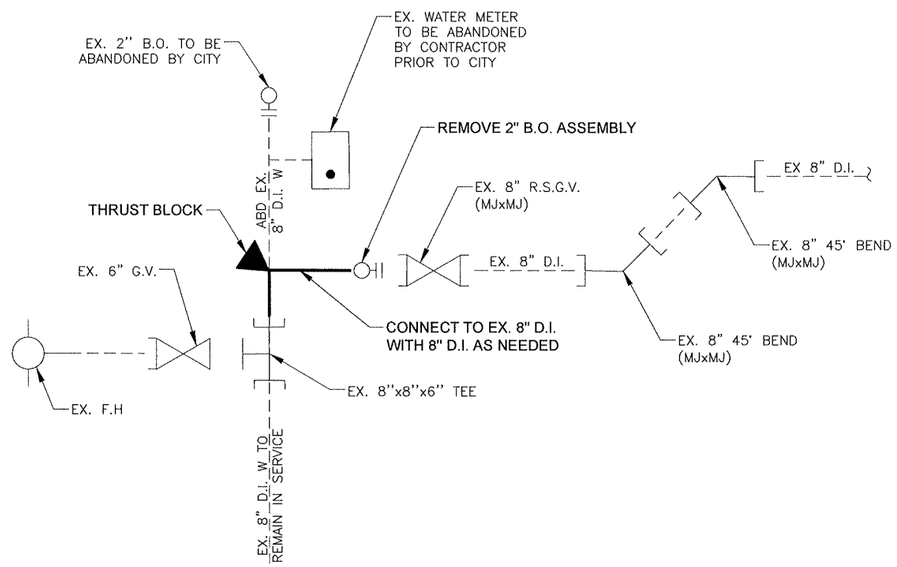
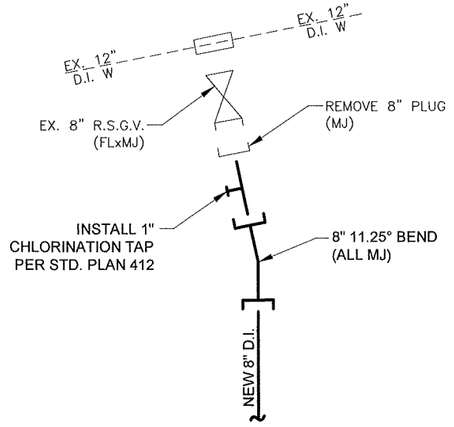
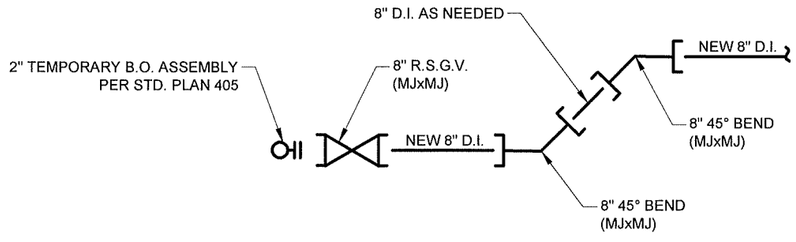


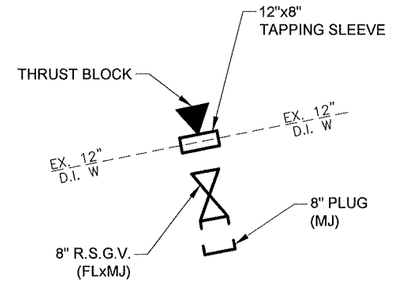
A2 CITY AFTER CONTRACTOR
CONNECTION DETAIL (STA A9+98) NTS



A4 CONTRACTOR AFTER CITY
CONNECTION DETAIL (STA A22+13) NTS



A1 CONTRACTOR BEFORE CITY
CONNECTION DETAIL (STA A10+06) NTS



A3 CITY BEFORE CONTRACTOR
CONNECTION DETAIL (STA A22+13) NTS

CITY OF Salem AT YOUR SERVICE
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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

WATER LINE CONNECTION DETAILS
'A' LINE

W-10

SHEET 23 OF 32

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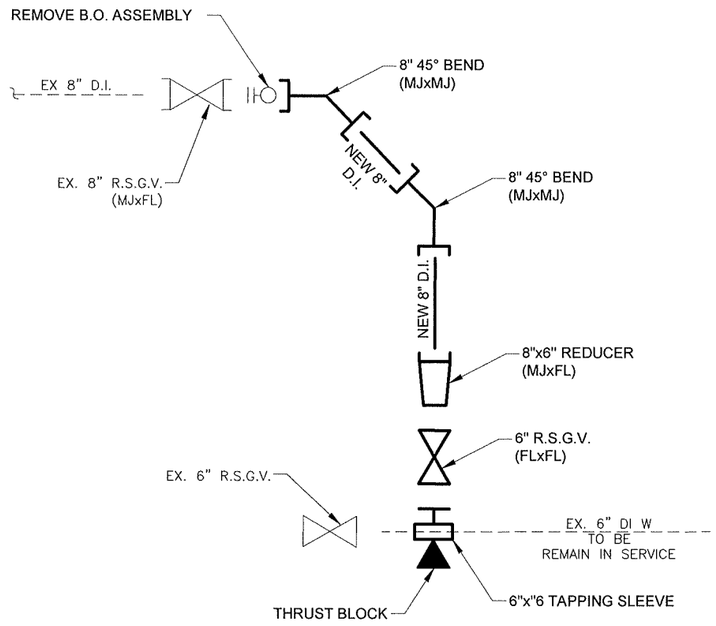
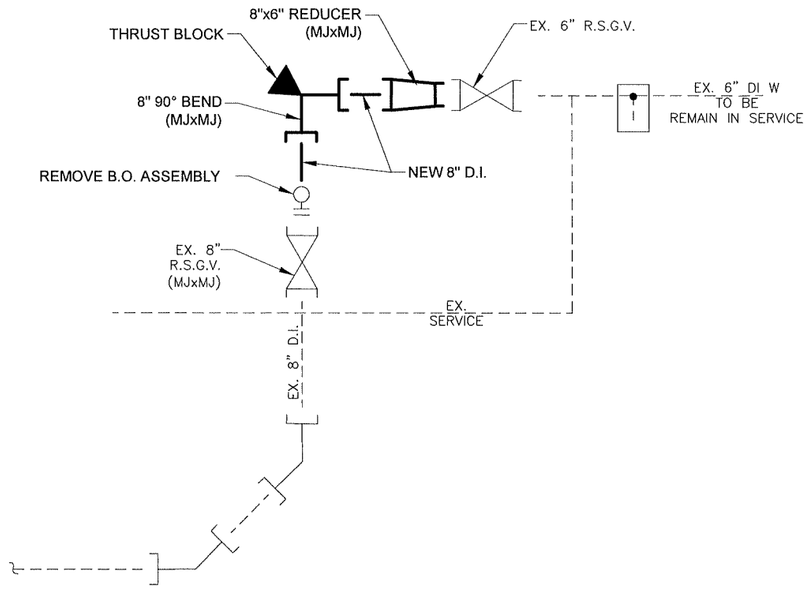
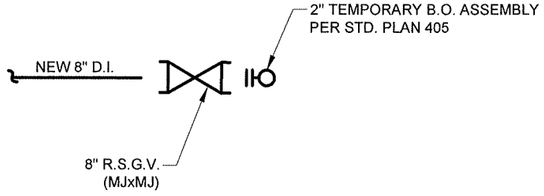


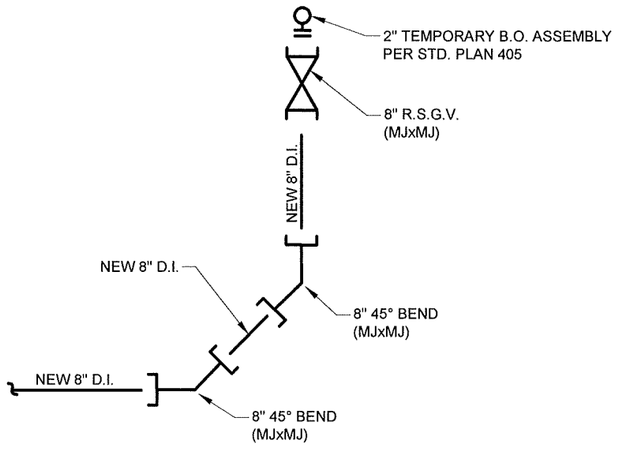
C1 CITY AFTER CONTRACTOR
CONNECTION DETAIL (C11+07) NTS



E1 CITY AFTER CONTRACTOR
CONNECTION DETAIL (E11+27) NTS



C1 CONTRACTOR BEFORE CITY
CONNECTION DETAIL (C11+07) NTS



E1 CONTRACTOR BEFORE CITY
CONNECTION DETAIL (E11+27) NTS

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65591PE
OREGON
DECEMBER 29, 2009
BENJAMIN R. HANEY

EXPIRES: 6-30-2023
DATE SIGNED:

SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
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VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
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APPROVED:	

SHEET TITLE

WATER LINE CONNECTION DETAILS
'C' LINE & 'E' LINE

W-11

SHEET 24 OF 32

8/19/2021 1:29:44 PM
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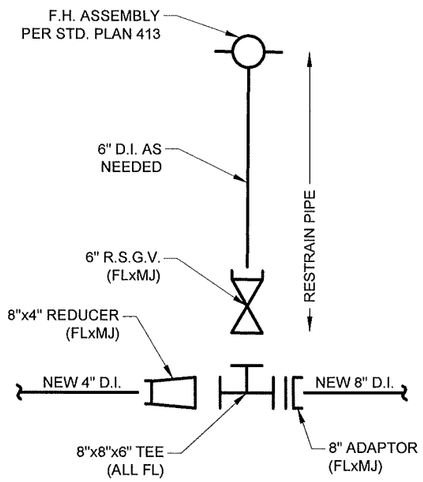
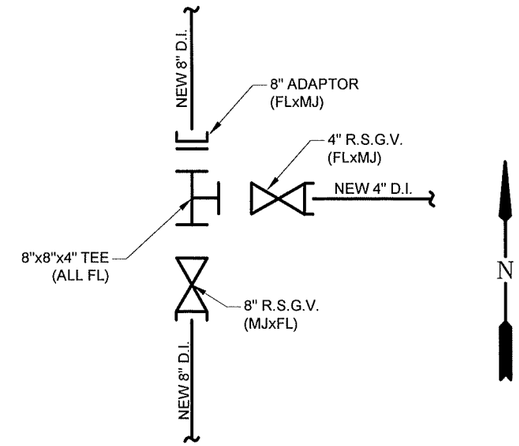
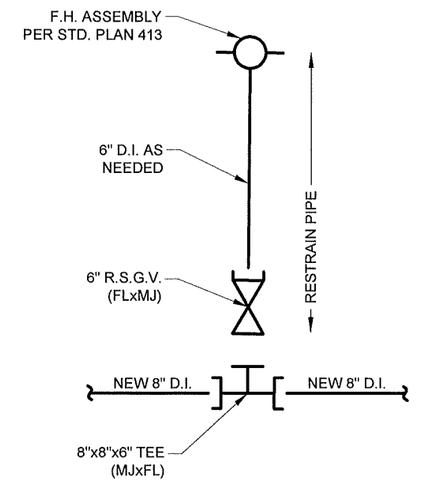


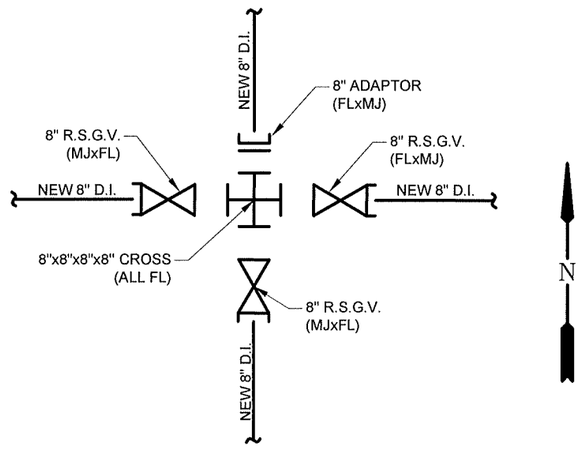
FH2 CONTRACTOR
F.H. CONNECTION DETAIL (STA D12+55) NTS



D6 CONTRACTOR
TEE DETAIL (STA A21+23) NTS



FH CONTRACTOR
F.H. CONNECTION DETAIL (TYP) NTS



A6 CONTRACTOR
CROSS DETAIL (STA A15+07 & STA A19+12) NTS

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BENJAMIN R. HANEY

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
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APPROVED:	

SHEET TITLE

WATER LINE CONNECTION DETAILS

W-12

SHEET 25 OF 32

8/19/2021 1:29:33 PM
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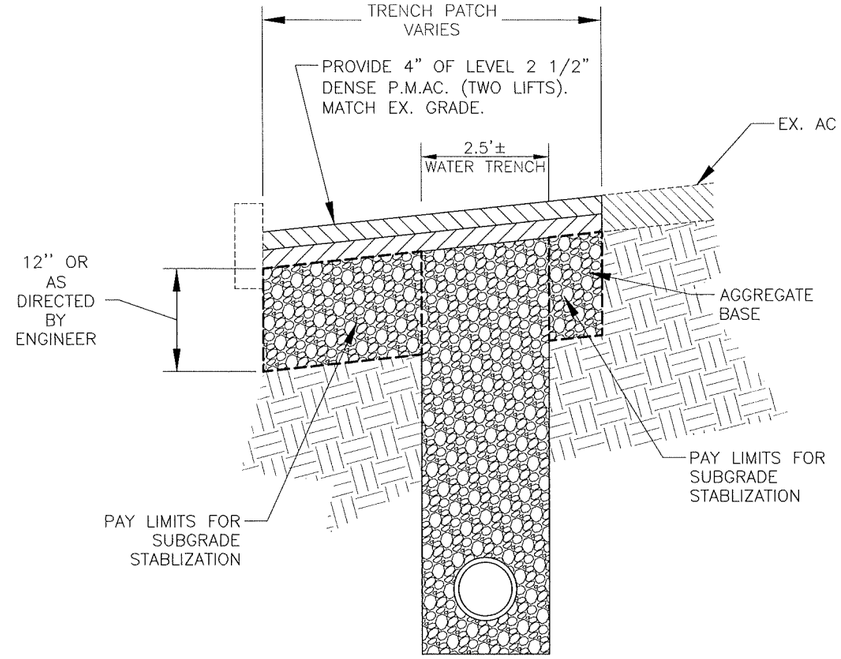

D4 TRENCH PATCH DETAIL

NTS

AS-BUILT VALVE SCHEDULE

SHEET	STATION	SIZE	END TYPE (MJ OR FL)	MANUFACTURER	GATE OR BUTTERFLY	COMMENTS
W-01	A10+06	8"	MJxMJ		GATE	TEMPORARY BLOWOFF WITH INLINE VALVE
W-02	A14+82	6"	FLxMJ		GATE	FIRE HYDRANT VALVE
W-02	A15+07	8"	FLxMJ		GATE	
W-03	A19+12	8"	FLxMJ		GATE	
W-04	A21+23	8"	FLxMJ		GATE	
W-04	A21+67	6"	FLxMJ		GATE	FIRE HYDRANT VALVE
W-04	A22+13	8"	FLxMJ		GATE	HOT TAP VALVE INSTALLED BY CITY
W-05	B10+00	8"	FLxMJ		GATE	
W-05	B12+20	6"	FLxMJ		GATE	FIRE HYDRANT VALVE
W-06	C10+00	8"	FLxMJ		GATE	
W-06	C11+07	8"	MJxMJ		GATE	TEMPORARY BLOWOFF WITH INLINE VALVE
W-07	D10+00	8"	FLxMJ		GATE	
W-07	D12+55	6"	MJxMJ		GATE	FIRE HYDRANT VALVE
W-08	E10+00	8"	FLxMJ		GATE	
W-08	E11+25	8"	FLxMJ		GATE	TEMPORARY BLOWOFF WITH INLINE VALVE
W-09	F10+00	4"	FLxMJ		GATE	

CITY OF Salem AT YOUR SERVICE

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS

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1			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
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SHEET TITLE

TRENCH PATCH DETAIL & AS-BUILT VALVE SCHEDULE

W-13

SHEET 26 OF 32

8/19/2021 1:29:23 PM
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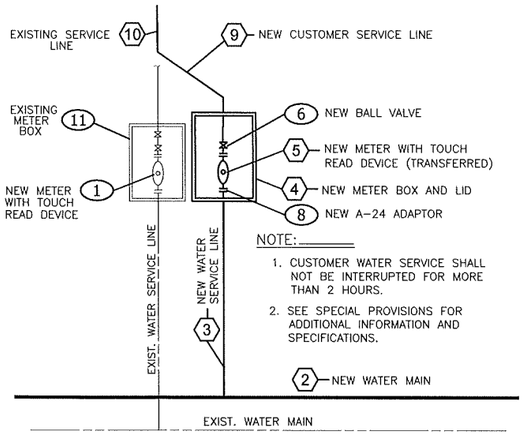


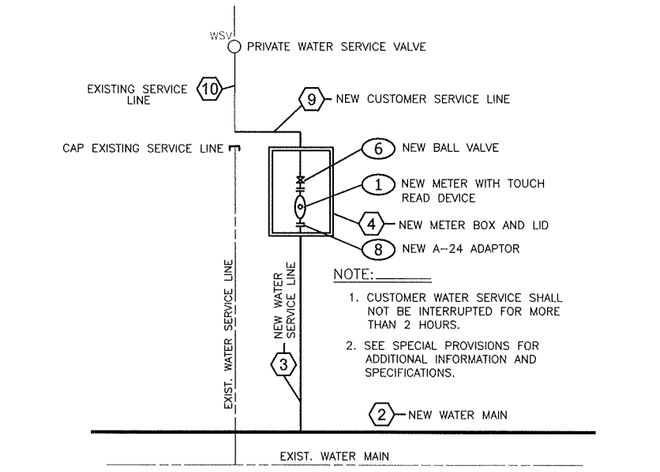
D2 REPLACEMENT OF CITY WATER METER

NTS

WATER SERVICE LINE CONSTRUCTION SEQUENCING DETAIL

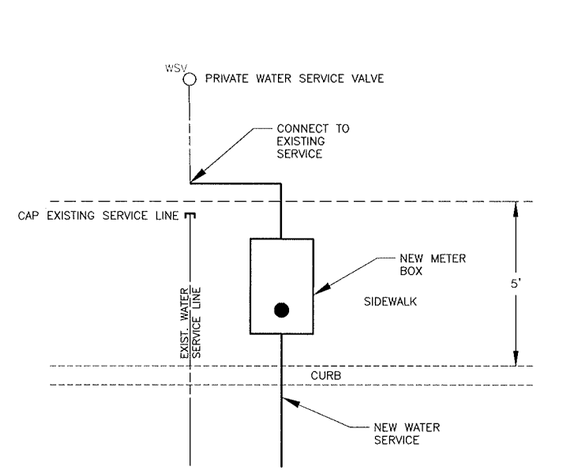
FOR INSTALLING NEW OR REPLACING OF EXISTING WATER METERS

1. CITY FURNISHES AND INSTALLS:
   (1) NEW METER WITH TOUCH READ DEVICE IN (11) EXIST. METER BOX.
2. CONTRACTOR FURNISHES AND INSTALLS:
   (2) NEW MAIN
   (3) NEW SERVICE PIPING
   (4) NEW METER BOX AND LID
3. CITY CHLORINATES NEW SYSTEM.
4. CITY SUPPLIES:
   (1) NEW METER WITH TOUCH READ DEVICE (WHEN NO EXISTING WATER METER)
   (6) NEW GLOBE VALVE
   (8) NEW A-24 ADAPTORS (2 PER SERVICE)
5. CONTRACTOR: TRANSFERS OR INSTALLS (5) NEW METER WITH TOUCH READ DEVICE, INSTALLS (6) NEW BALL VALVE, INSTALLS (7) NEW PRESSURE REDUCING VALVE AND (9)(10) CONNECTS EXIST. SERVICE LINE, FLUSHES, DISINFECTS AND RETURNS TO SERVICE.
6. CONTRACTOR ADJUSTS (4) METER BOX TO FINISH GRADE.
7. FOR REPLACEMENT OF EXISTING WATER METERS CONTRACTOR REMOVES (11) OLD METER BOX AND REPLACES A.C., CONCRETE, GRAVEL, LANDSCAPING AND RESTORES THE SITE.
8. CONTRACTOR SALVAGES OLD METER BOX LID TO CITY SHOPS IF APPLICABLE.



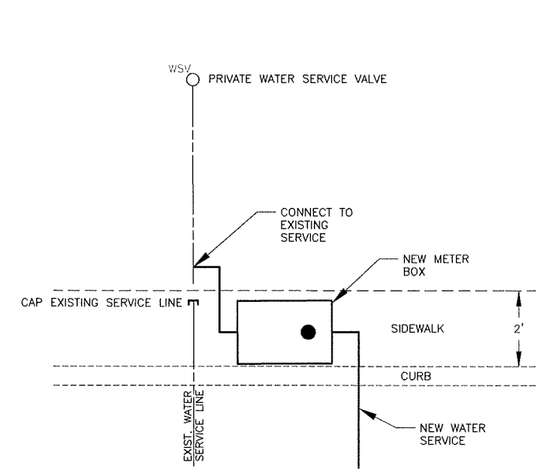
C2 CONSTRUCTION OF NEW WATER METER

NTS



C5 METER INSTALL AT 5 FT SIDEWALK

NTS



C7 METER INSTALL AT 2 FT SIDEWALK

NTS

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BENJAMIN R. HANEY

EXPIRES: 6-30-2023
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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
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APPROVED:	

SHEET TITLE

SEQUENCING & WATER METER DETAILS

W-14

SHEET 27 OF 32

8/19/2021 1:29:03 PM
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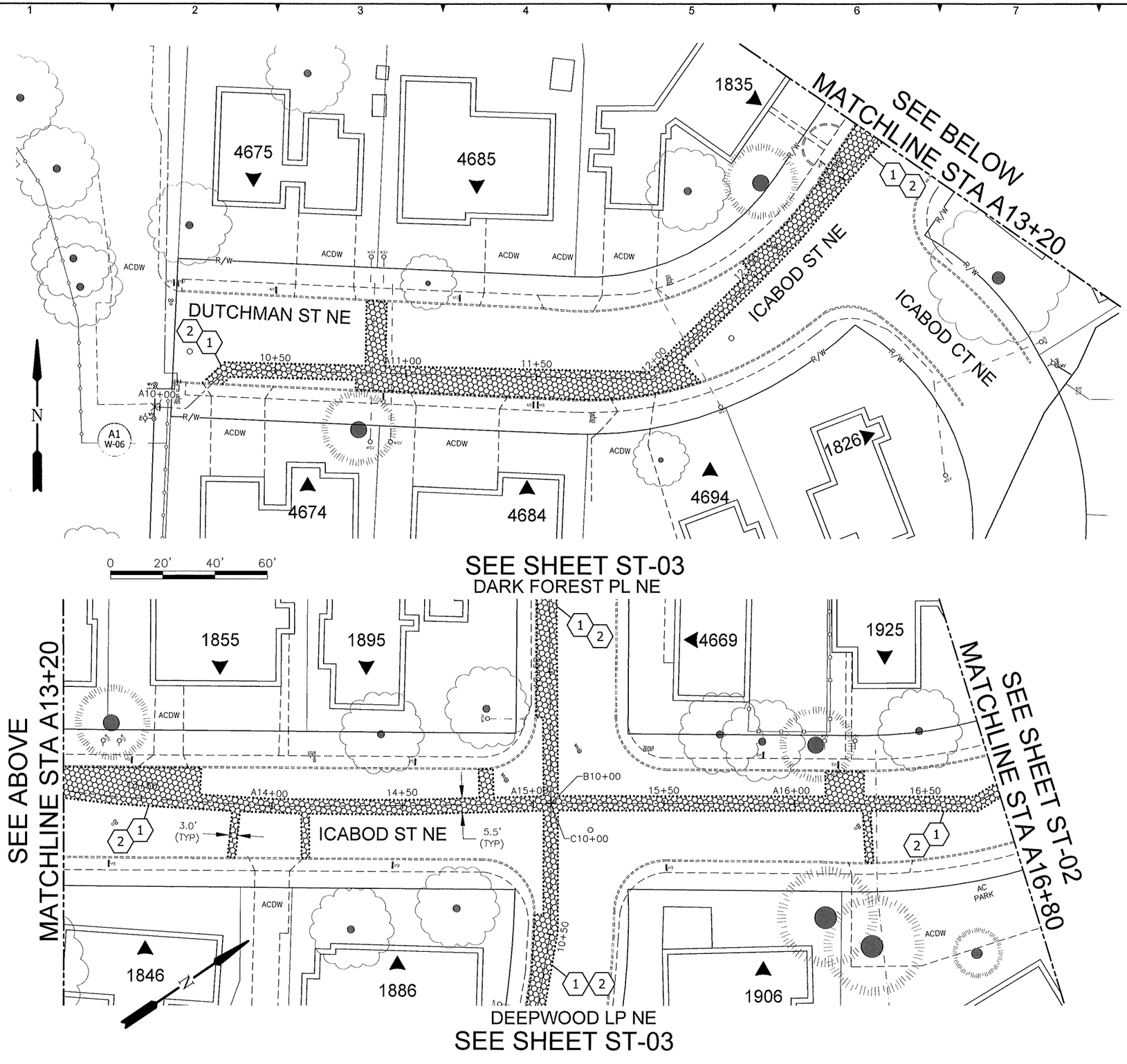

SHEET KEYNOTES

1. PAVEMENT RESTORATION LIMITS. SEE DETAIL D4 ON SHEET W-13.
2. SAWCUT PAVMENT AS SHOWN.

CITY OF Salem AT YOUR SERVICE

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REVISIONS			
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
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HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
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APPROVED:	

SHEET TITLE

ICABOD ST NE

RESTORATION PLAN

STA A10+00 TO A16+80

ST-01

SHEET 28 OF 32

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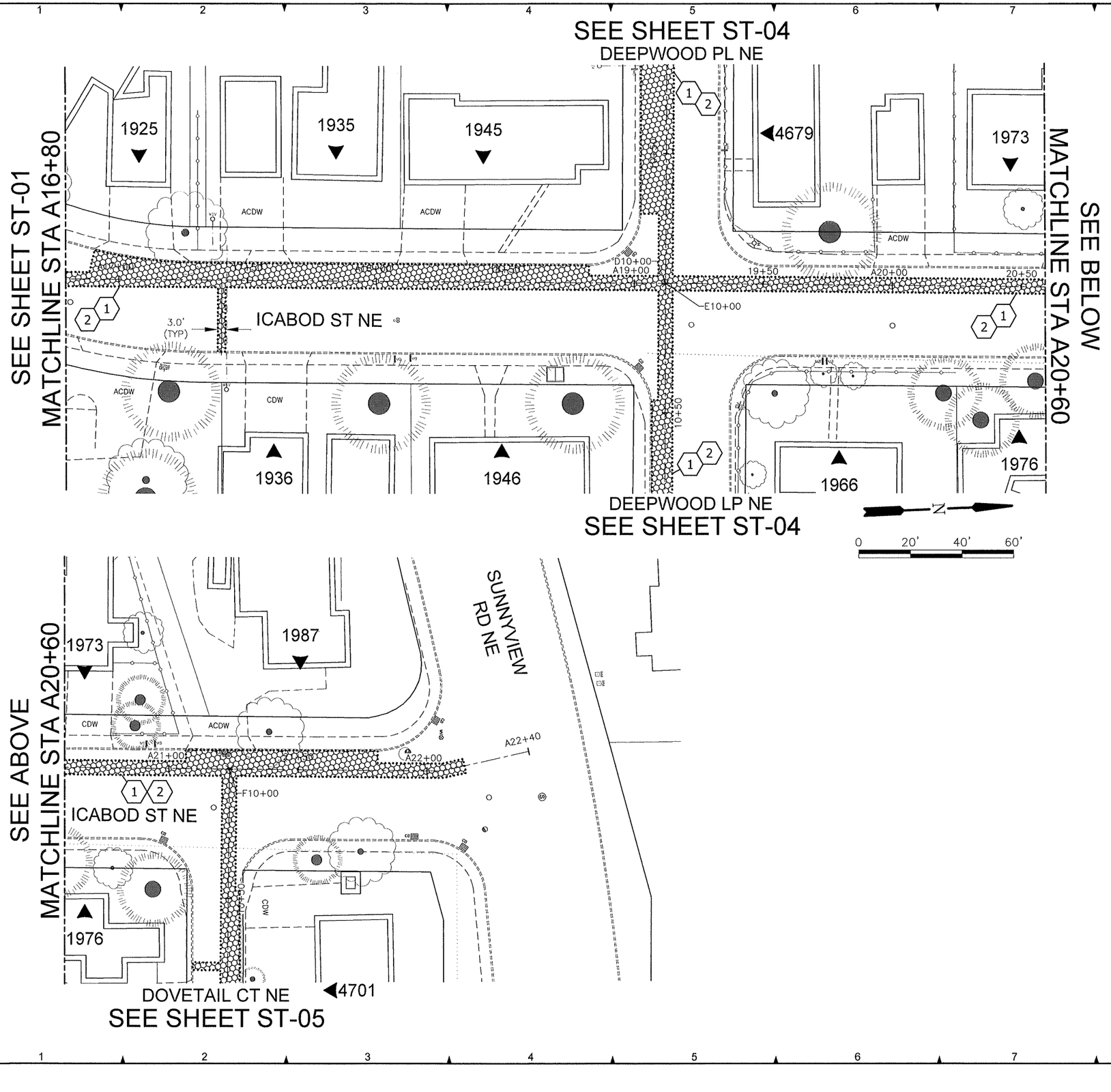

SHEET KEYNOTES

1. PAVEMENT RESTORATION LIMITS. SEE DETAIL D4 ON SHEET W-13.
2. SAWCUT PAVMENT AS SHOWN.

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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PN:720014

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
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APPROVED:	

SHEET TITLE

ICABOD ST NE

RESTORATION PLAN

STA A16+80 TO A22+15

ST-02

SHEET 29 OF 32

8/19/2021 1:35:35 PM
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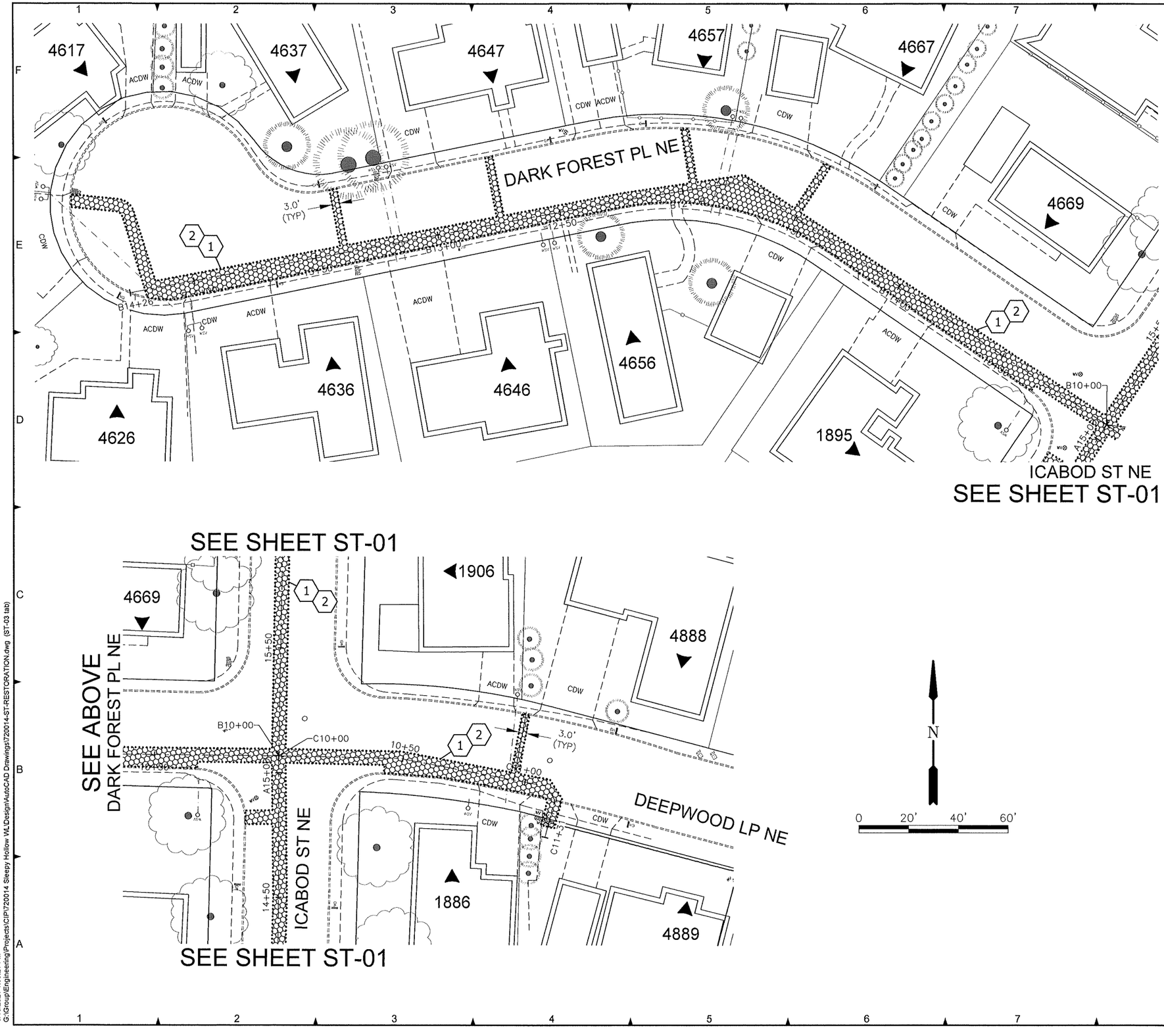

SHEET KEYNOTES

1. PAVEMENT RESTORATION LIMITS. SEE DETAIL D4 ON SHEET W-13.
2. SAWCUT PAVMENT AS SHOWN.

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HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
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DRAWN:	J.KUENZI
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APPROVED:	

SHEET TITLE

DARK FOREST PL NE
DEEPWOOD LP NE

RESTORATION PLAN
STA B10+00 TO B14+30
STA C10+00 TO C11+25

ST-03

SHEET 30 OF 32

8/19/2021 1:35:21 PM
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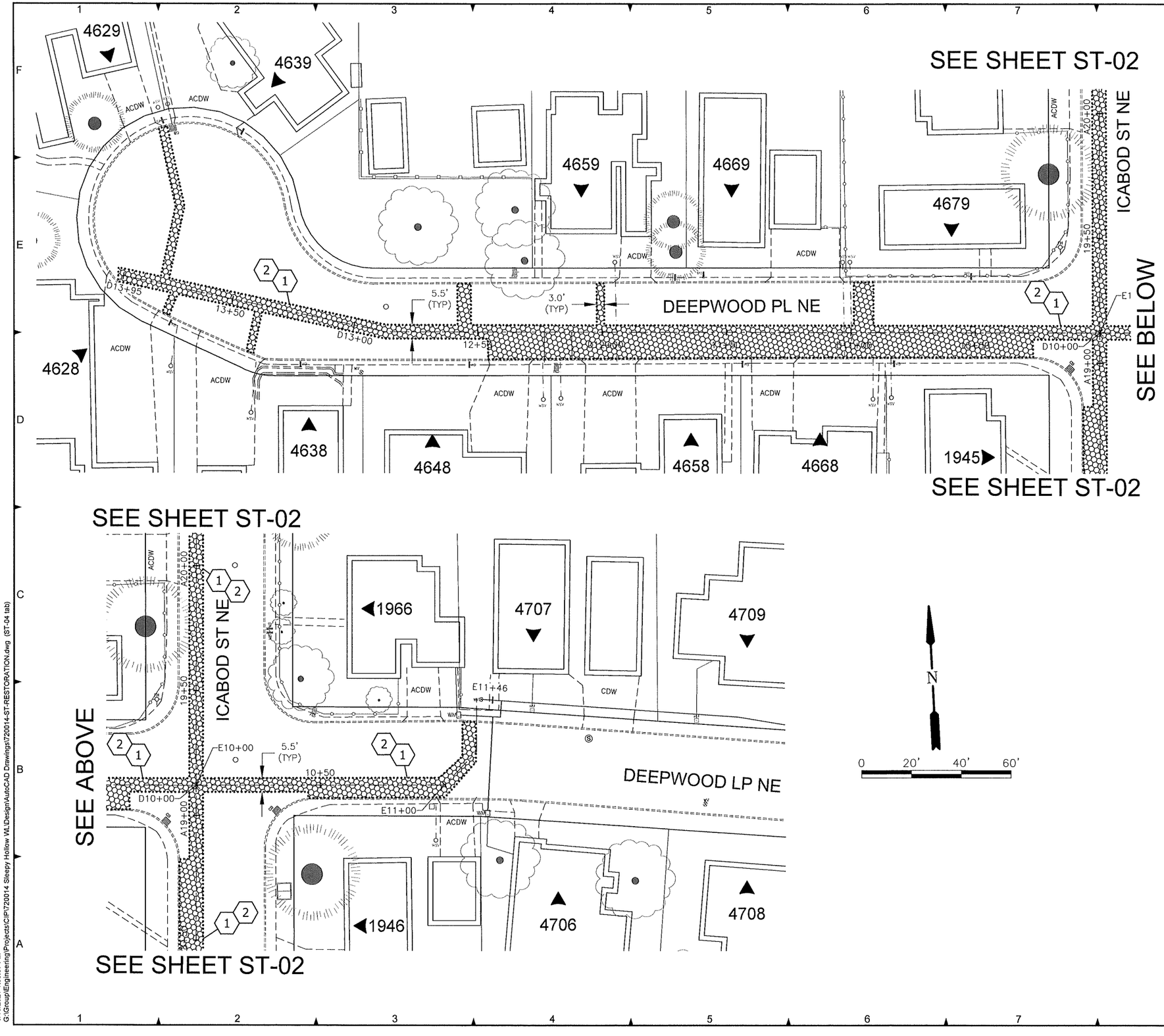

SHEET KEYNOTES

1. PAVEMENT RESTORATION LIMITS. SEE DETAIL D4 ON SHEET W-13.
2. SAWCUT PAVMENT AS SHOWN.

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION

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SLEEPY HOLLOW WATER LINE IMPROVEMENTS

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HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DEEPWOOD PL NE
DEEPWOOD LP NE

RESTORATION PLAN

STA D10+00 TO D13+95
STA E10+00 TO E11+50

ST-04

SHEET 31 OF 32

8/19/2021 1:35:07 PM
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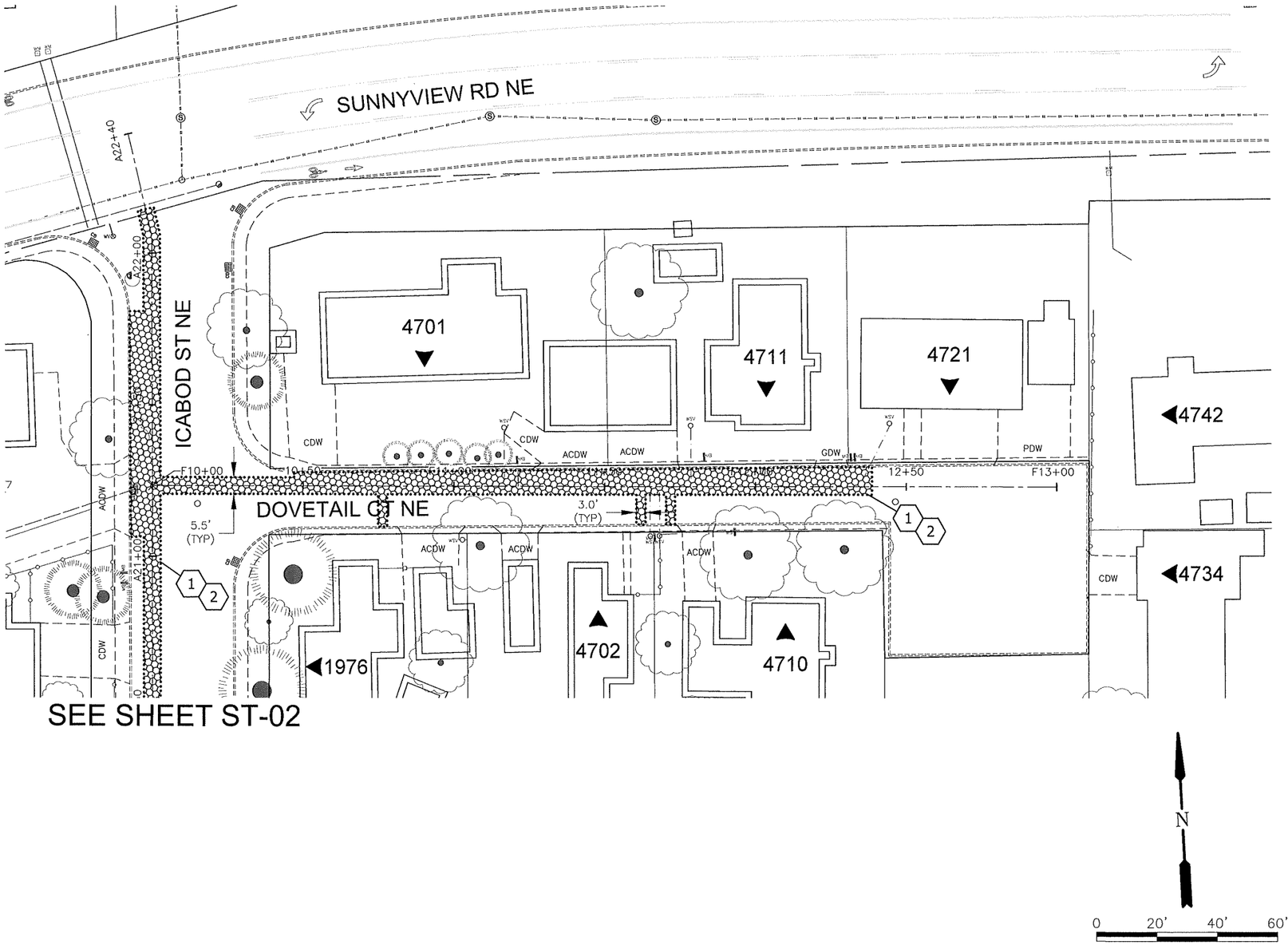

SHEET KEYNOTES

1. PAVEMENT RESTORATION LIMITS. SEE DETAIL D4 ON SHEET W-13.
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HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	JC
DRAWN:	J.KUENZI
CHECKED:	
APPROVED:	

SHEET TITLE

DOVETAIL CT NE

RESTORATION PLAN

STA F10+00 TO F12+37

ST-05

SHEET 32 OF 32

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