



CITY OF
PORTLAND
OFFICE OF
TRANSPORTATION

Charlie Hales, Commissioner
1120 S.W. 5th Avenue, Suite 800
Portland, Oregon 97204-1914
(503) 823-5185
FAX (503) 823-7576 or 823-7371
TDD 823-6868

TRANSMITTAL MEMORANDUM

Victor F.
Rhodes
Director

DATE: July 5, 2001

Eileen
Argentina
Information
Technology

TO: Elaine M Stewart, METRO
600 NE Grand Avenue
Portland OR 97232-2736

Richard
Steinbrugge
Finance

FROM: Stacy Bluhm, Project Manager 503-823-7723 342-730

SUBJECT: N Marine Drive Extension - Phase 2 - Set of Plans

Steve
Dotterrer
Planning

ENCLOSED ARE THE FOLLOWING ITEMS:

Jeanne
Nyquist
Maintenance

QTY	DESCRIPTION
1 set	Set 11 x 17 plans for N Marine Drive Extension-Phase 2- (which include:)
2	1,1A - Title Sheet , Key Map and Legend
2	1B, 1B-2 - Drainage Basin Map
2	2A-2, 2A-5 - Typical Sections
3	2B-3,4,5 - Modular Block Retaining Wall Plans and Details
1	2C-6 - Storm Sewer Details
2	2E-7,8 - Temp Erosion & Sedimentation Control STA. 4+960 to Sta. 5+530 and STA.5+530 to STA. 6+020
1	2F - Concrete Barrier
2	SK-9, 10 - Signing & Pavement Marking STA. 4+960 to Sta. 5+530 and STA.5+530 to STA. 6+020
3	2L-3, 9, 10 - Illumination Details, Illumination Plans STA. 4+960 to Sta. 5+530 and STA.5+530 to STA. 6+020
11	2N-21 thru 2N-31 - Irrigation & Planting Plan STA. 4+960 to STA. 5+110, STA 5+110 to STA. 5+250, STA. 5+250 to STA. 5+390, STA. 5+390 to STA. 5+530, STA. 5+530 to STA. 5+670, STA. 5+670 to STA. 5+810, STA. 5+810 to STA. 5+950, STA. 5+950 to STA. 6+020, Irrigation Legend and Notes, Plant List and Notes, Plant Legend
8	20 thru 27 - Road Plan and Profile STA. 4+960 to STA. 5+110, STA 5+110 to STA. 5+250, STA. 5+250 to STA. 5+390, STA. 5+390 to STA. 5+530, STA. 5+530 to STA. 5+670, STA. 5+670 to STA. 5+810, STA. 5+810 to STA. 5+950, STA. 5+950 to STA. 6+020,
1	29A - Smith and Bybee Lake Parking Lot Modifications

Toby
Widmer
System
Management

Brant
Williams
Engineering &
Development

☒ AS REQUESTED

☐ REJECT

☐ REVISE AND RESUBMIT

☐ FOR YOUR FILE

☐ APPROVED

☐ SUBMIT SPECIFIC ITEMS

☐ FOR YOUR REVIEW

☐ APPROVED WITH
CORRECTIONS NOTED

☐ PLEASE RETURN _____
COPIES/ORIGINALS

☐ FOR REVIEW & SIGNATURE

BY: Sandy Graham 503-823-7021

City of Portland

CH2MHILL

METRIC

PLANS FOR PROPOSED PROJECT

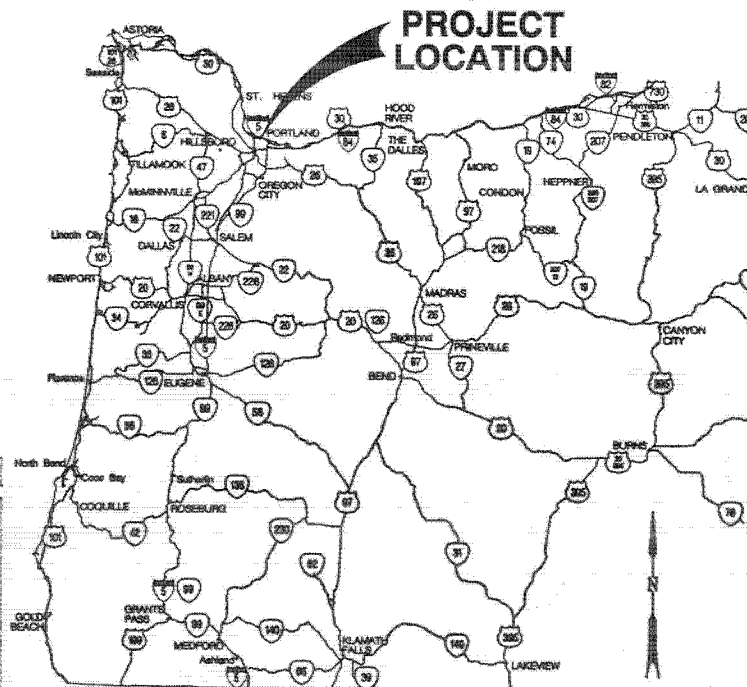
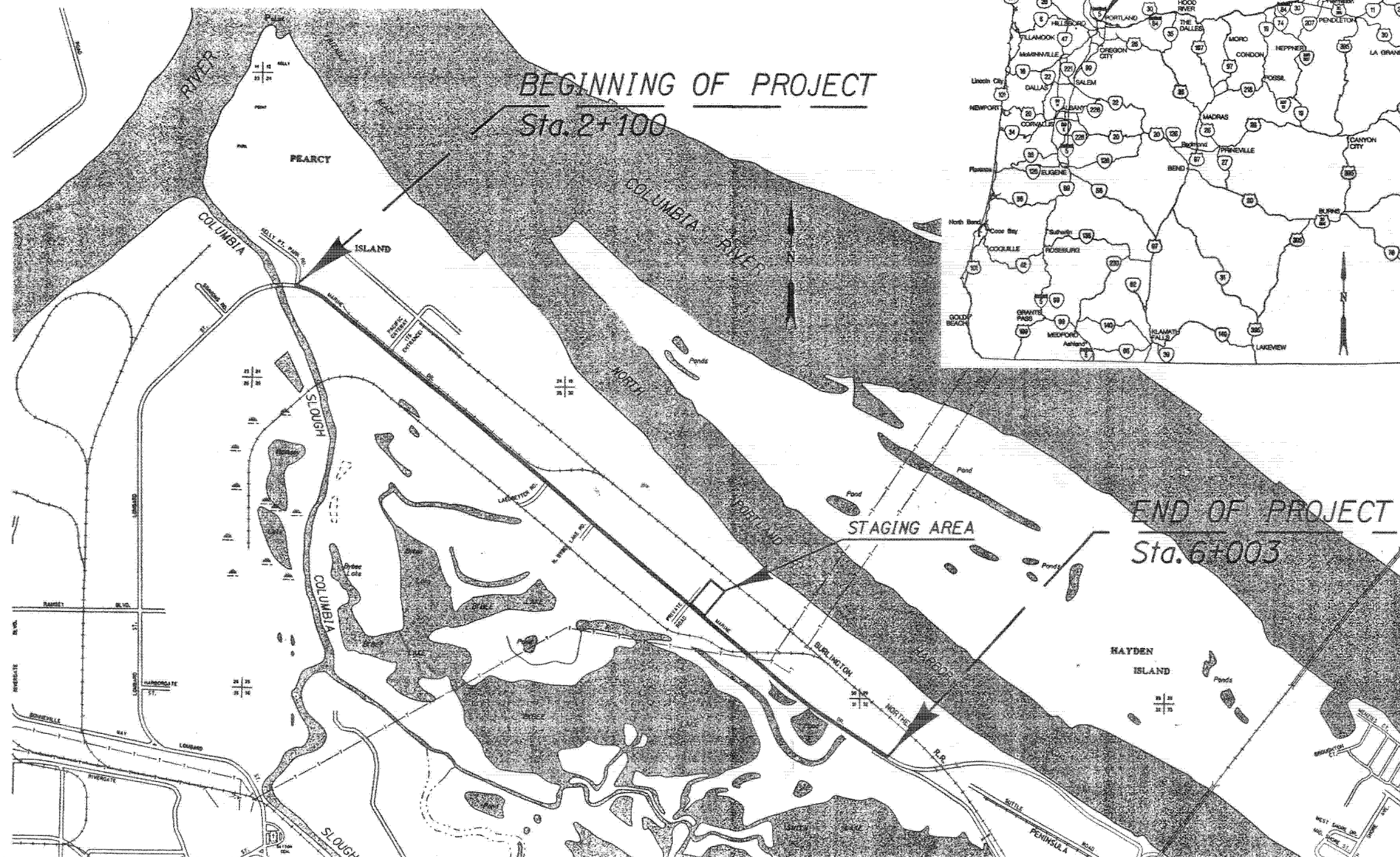
GRADING, PAVING, DRAINAGE, SIGNING, STRIPING, ILLUMINATION, SIGNALIZATION AND LANDSCAPING

NORTH MARINE DRIVE EXTENSION - PHASE 2

MULTNOMAH COUNTY
MARCH, 2001

INDEX OF SHEETS

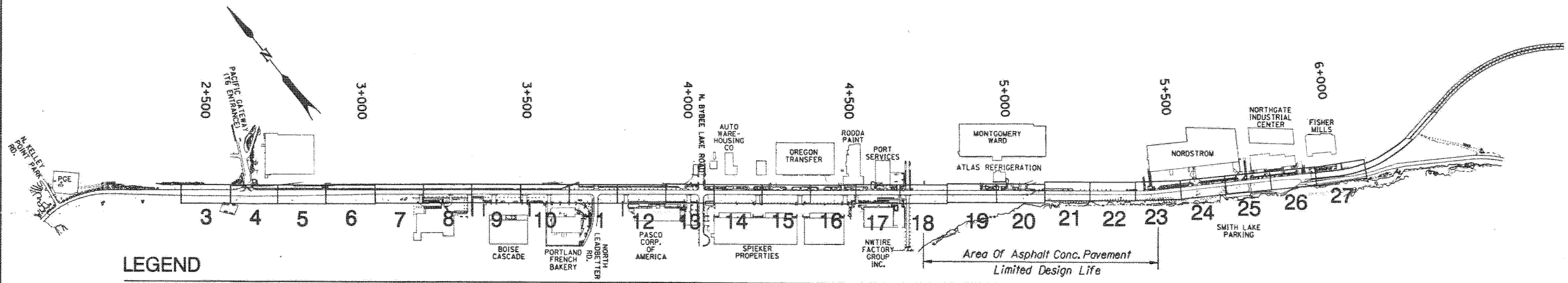
SHEET NO.	DESCRIPTION
1	Title Sheet
1A	Key Map And Legend
1B & 1B-2	Drainage Basin Map
2 Thru 2A-5 Incl.	Typical Sections
2B Thru 2B-6 Incl.	Street Details
2C Thru 2C-6 Incl.	Storm Sewer Details
2D Thru 2D-33 Incl.	Temp. Prot. & Dir. Of Traffic Details And Plan
2E Thru 2E-8 Incl.	Temp. Erosion And Sedimentation Control Details And Plan
2F Thru 2F-6 Incl.	Concrete Barrier Plan & Details
2G Thru 2G-7 Incl.	Horizontal Control
2H Thru 2H-6 Incl.	Jointing Plans
2J Thru 2J-6 Incl.	Intersection Grading Plans
2K Thru 2K-10 Incl.	Signing And Pavement Marking
2L Thru 2L-10 Incl.	Illumination Details And Plan
2M Thru 2M-18 Incl.	Traffic Signal Details And Plan
2N-1 Thru 2N-33 Incl.	Landscaping And Irrigation Details And Plan
2R Thru 2R-7 Incl.	40 Mile Loop Plan And Profiles
3 Thru 27 Incl.	Road Plan And Profiles
3A Thru 27A Incl.	Storm Sewer Plan And Profiles
28A Thru 28A-6	Sanitary Sewer Details And Plan
29A	Smith And Bybee Lake Parking Lot Modifications
30A Thru 30A-2 Incl.	* (Not Used)
30A-3 Thru 30A-4 Incl.	Nordstrom Site Modifications
31A	Montgomery Ward Entrance
32A	Pasco Rd. Entrance
1 - 31	Water System Modifications (Plan Set)



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CONSTRUCTED BY		DESIGNED BY	DATE APPROVED	APPROVALS		CITY OF PORTLAND, OREGON		NORTH MARINE DRIVE EXTENSION - PHASE 2	
PROJECT COMPLETED		SNK		B. David Hill		PORTLAND		TITLE SHEET	
MAP CORRECTED BY		RDL		S. J. Hill		OFFICE OF TRANSPORTATION		MULTNOMAH COUNTY	
DATA ENTERED ON 1/4 SEC. MAP BY		CHECKED BY		B. J. Hill		CHARLIE HALES		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 OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-332-2344. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 246-4699 in local Portland area or 1-800-332-2344.	
DATA ENTERED ON DIST. MAP BY		CHECKED BY		B. J. Hill		COMMISSIONER		SHEET NO.	
NO.		DATE	DESCRIPTION	APPROVED	DESIGN MGR.	1/4 SECTION	BRANT WILLIAMS, P.E.	1	
REVISION		FINAL MAP DATA				CITY ENGINEER			



LEGEND

3	Sheet Area & Sheet Number	+	Existing Telephone Riser	■	Proposed Inlet	XXXXXXXXXX	Removal
⊗	Existing Fire Hydrant	T	Existing Telephone Handbox	⊙	Proposed Manhole	~~~~~	Abandoned Or Remove Pipe
⊗	Existing Valve	□	Existing Vault	▤ ▥	Proposed Sidewalk Ramp	▨	Rail Road Work Zone
M	Existing Meter	⊙	Existing Guard Post (Ballard)	▬	Proposed Driveway	▩	Proposed 40 Mile Loop
▤ ▥	Existing Inlet	⊥	Existing Sign	□	Proposed Junction Box	▬	Proposed Sidewalk
○	Existing Manhole	○	Existing Cleanout	□	Proposed Vault	▩	Riprap
⊙	Existing Power Pole	○	Existing Gas Facility	⊙	Proposed Luminaire	---	Easement Line
⊙	Existing Luminaire			M	Proposed Water Meter	---	Lot Line
▬ ▬ ▬	Existing Culvert			●	Found Survey Monument	---	Right Of Way Line
—G—	Existing Gas Line			⬢	Curb Return / Curb *	⊙ ⊙	Spill Containment Tank
—T—	Existing Telephone Line			▬	Proposed Sanitary Sewer Pipe	▬	Water Quality Facility
—W—	Existing Water Line			▬	Proposed Storm Sewer Pipe (Open End)		
—E—	Existing Electrical Line			▬	Proposed Storm Sewer Pipe		
—ST—	Existing Storm Sewer Line			▬	Proposed Curb		
—SS—	Existing Sanitary Sewer Line			---	Proposed Grading Limits (Cut)		
▬	Flow Line			---	Proposed Grading Limits (Fill)		
—X—	Existing Fence Line			▬	Proposed Guardrail		
▬	Existing Guardrail			---	Proposed Electrical Conduit		
▬ ▬ ▬	Existing Drainage Tile			▬	Proposed Edge Of Pavement		
---	Existing Edge Of Drive			—X—	Proposed Fence Line		
▬ ▬ ▬	Existing Rail Road						

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CONSTRUCTED BY		DESIGNED BY	DATE APPROVED		APPROVALS: PRINCIPAL ENGINEER, REG. PROF. ENGR. NO. 9863 CITY ENGINEER, REG. PROF. ENGR. NO. 14348	CITY OF PORTLAND, OREGON PORTLAND OFFICE OF TRANSPORTATION CHARLIE HALES COMMISSIONER BRANT WILLIAMS, P.E. CITY ENGINEER		NORTH MARINE DRIVE EXTENSION - PHASE 2 KEY MAP AND LEGEND MULTNOMAH COUNTY ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center's business number is 1-800-332-2544. Excavators are required to notify the Center at least 2 business days, but not more than 15 business days, before commencing an excavation. To comply, call 246-6699 in local Portland area or 1-800-332-2544.	SHEET NO. 1A
PROJECT COMPLETED		SNK	DATE APPROVED						
MAP CORRECTED BY		ROL	PROGRAM MGR.						
DATA ENTERED ON 1/4 SEC. MAP BY		CHECKED BY	CONST. MGR.						
DATA ENTERED ON DIST. MAP BY		CHECKED BY	JMW	DESIGN MGR.	1/4 SECTION				
REVISION		FINAL MAP DATA							

CH2MHILL

STORM DESIGN CRITERIA

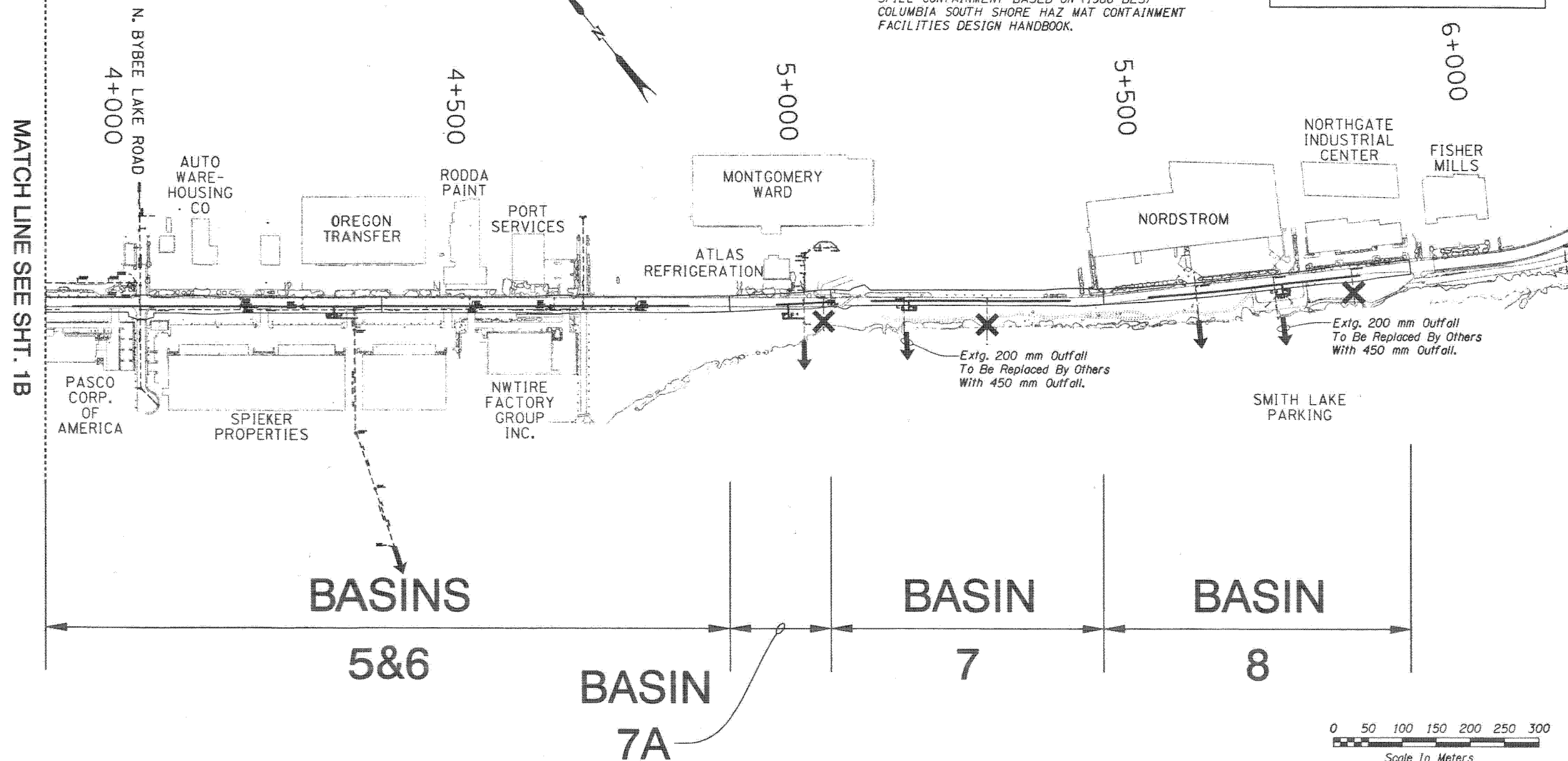
- WATER QUALITY TREATMENT AND HAZARDOUS MATERIALS SPILL CONTAINMENT PROVIDED FOR R/W ONLY.
- HAZARDOUS MATERIALS SPILL CONTAINMENT VOLUME PROVIDED FOR EACH OUTFALL = 75,710 L.

NOTE:

CONVEYANCE AND WATER QUALITY FACILITY BASED ON (BES-1991) SEWER DESIGN MANUAL, AND (2000) STORM WATER MANAGEMENT MANUAL. SPILL CONTAINMENT BASED ON (1988-BES) COLUMBIA SOUTH SHORE HAZ MAT CONTAINMENT FACILITIES DESIGN HANDBOOK.

Legend:

- Existing Storm Sewer
- Proposed Storm Sewer
- Outfall Removed
- Discharge Location



0 50 100 150 200 250 300
Scale In Meters

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NO.	DATE	DESCRIPTION	APPRO.
		REVISION	
		FINAL MAP DATA	

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CHECKED BY		
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CHECKED BY		
DESIGN MGR.		PROJECT NO.
		6809



CITY OF PORTLAND, OREGON

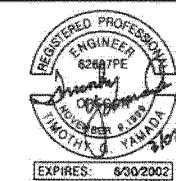
BUREAU OF
ENVIRONMENTAL SERVICES

DAN SALTZMAN

COMMISSIONER

LEE A. KLINGLER, P.E.

CHIEF ENGINEER

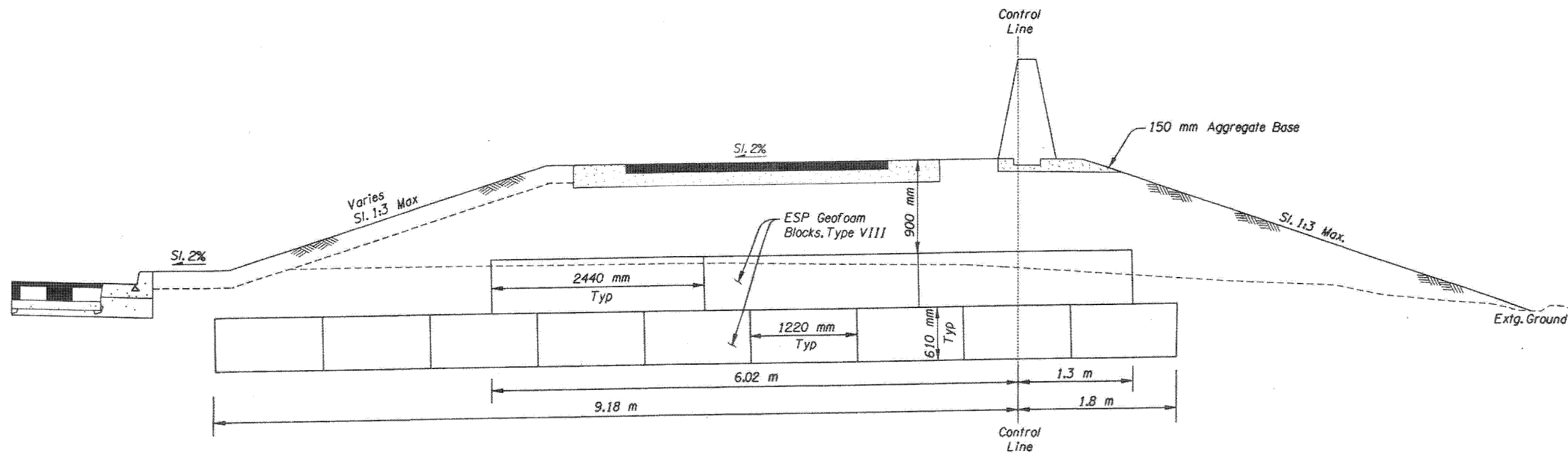


NORTH MARINE DRIVE EXTENSION - PHASE 2

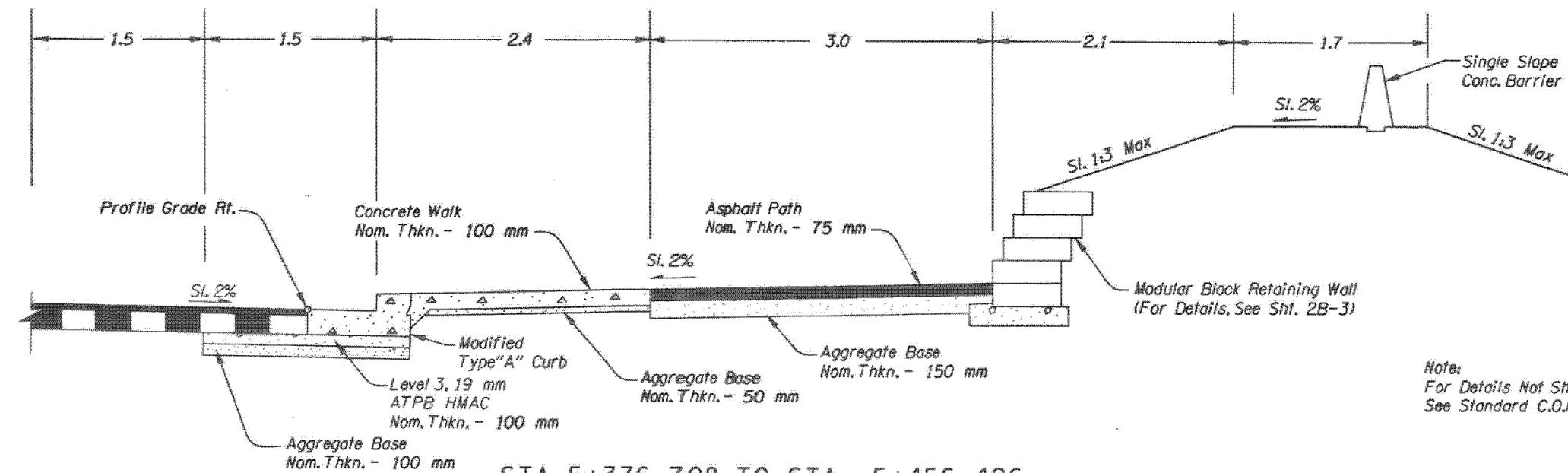
DRAINAGE BASIN MAP
MULTNOMAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-332-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 248-6699 in local Portland area or 1-800-332-2344.

SHEET
NO.
IB-2



TYPICAL GEOFOAM FILL SECTION
(STA. 5+143 To 5+179, Sta. 5+582 To 5+587, Sta. 5+690 To 5+726)



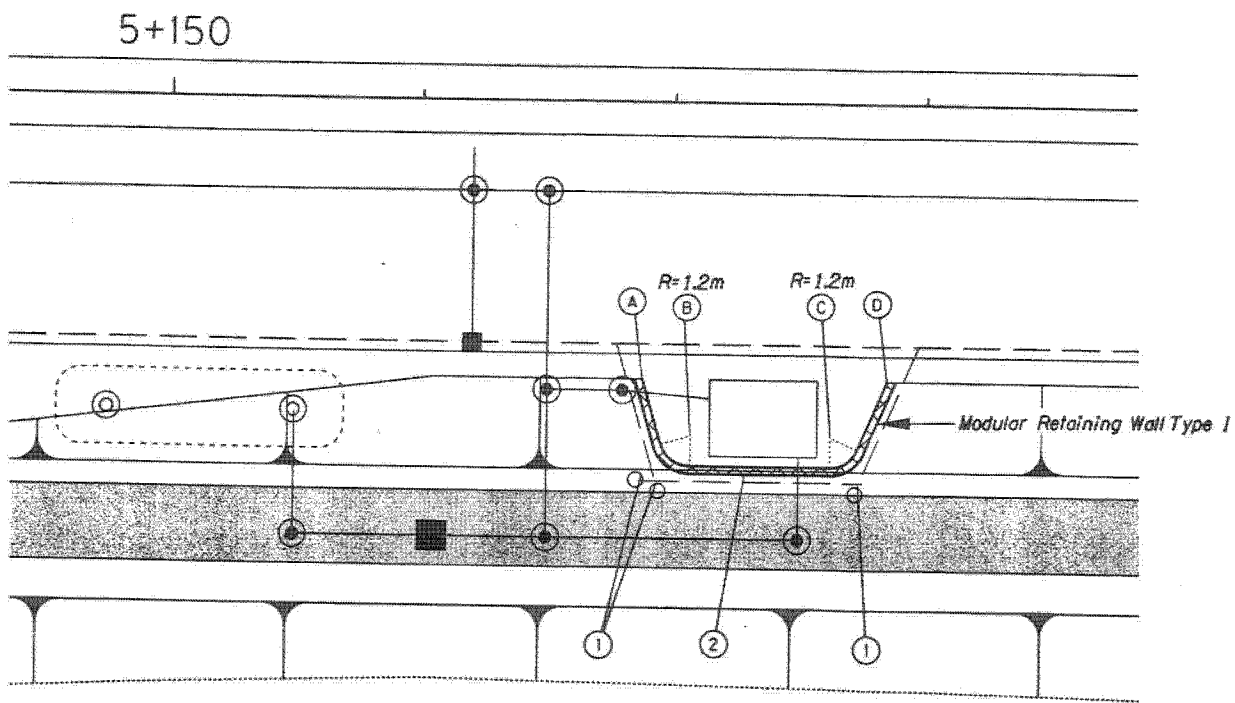
STA 5+376.708 TO STA. 5+456.496

Note:
For Details Not Shown,
See Standard C.O.P. Plan No. 3-111

Note: See Roadway Plans For Tapers

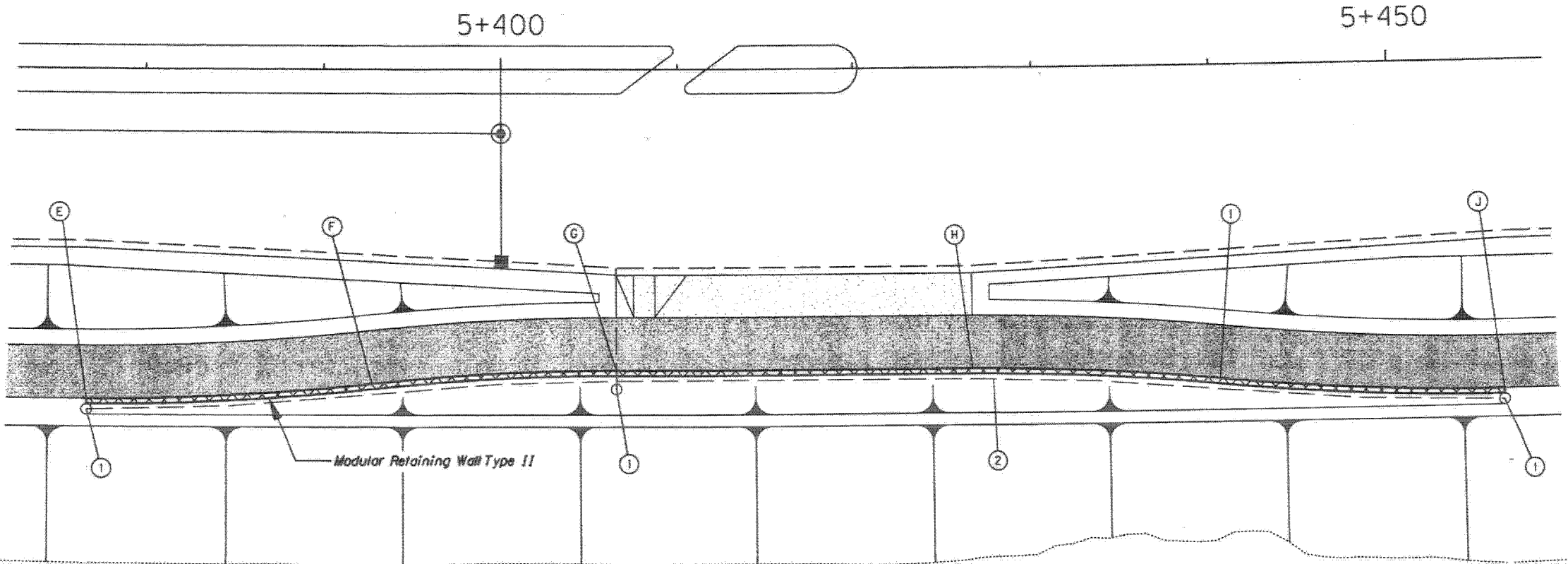
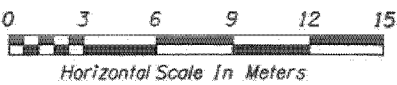
All Dimensions Are In Meters (m)
Unless Otherwise Noted.

CONSTRUCTED BY		DESIGNED BY	DATE APPROVED	APPROVALS:		CITY OF PORTLAND, OREGON		NORTH MARINE DRIVE EXTENSION - PHASE 2		
PROJECT COMPLETED		SNK		Principal Engineer		PORTLAND		TYPICAL SECTIONS		
DRAWN BY		KA		REC. PROF. ENGR. NO. 9643		OFFICE OF TRANSPORTATION		MULTNOMAH COUNTY		
MAP CORRECTED BY		JMW		CITY ENGINEER		CHARLIE MALES		ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 852-001-0010 through OAR 852-001-0090. You may obtain copies of the rules by calling the Center. The Center business hours are 15031232-1987. Elevation are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 248-8659 or 1-800-332-2344.		
DATA ENTERED ON 1/4 SEC. MAP BY		CHECKED BY		REC. PROF. ENGR. NO. 14548		COMMISSIONER		SHEET NO.		
DATA ENTERED ON DIST. MAP BY		CHECKED BY				BRANT WILLIAMS, P.E.		2A-5		
NO.		DATE	DESCRIPTION	APPD.	REVISION		FINAL MAP DATA			



Point	Station	Offset	Top Of Wall Elevation (meters)	Finish Grade In Front Of Wall (meters)	Bottom Of Wall Elevation (meters)
A	5+168.788	11.050 Rt.	8.5	8.5	8.2
B	5+170.692 C.C.	13.300 Rt.	9.7	8.5	8.2
C	5+176.276 C.C.	13.300 Rt.	9.7	8.5	8.2
D	5+178.526	11.050 Rt.	8.5	8.5	8.2
E	5+376.757	18.550 Rt.	10.8	10.6	10.3
F	5+392.616	17.697 Rt.	10.6	10.3	10.0
G	5+406.500	16.950 Rt.	10.6	9.7	9.4
H	5+426.492	16.950 Rt.	10.6	9.8	9.5
I	5+440.375	17.697 Rt.	10.6	10.4	10.1
J	5+456.231	18.550 Rt.	11.2	11.2	10.9

- ① Const. Cleanout
② Inst. 75 mm Perforated Corrugated Polyethylene Drain Pipe



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NO.	DATE	DESCRIPTION	APPRO.
1		REVISION	
2		FINAL MAP DATA	

CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
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	DAH	
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	JMW	
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		1/4 SECTION



APPROVALS:

K. David Hill
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9643

B. Williams
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES
BRANT WILLIAMS, P.E.

COMMISSIONER
CITY ENGINEER



NORTH MARINE DRIVE EXTENSION - PHASE 2
STREET DETAILS
MODULAR BLOCK RETAINING WALL PLANS
MULTNOMAH COUNTY

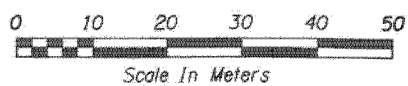
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Marking Center. These rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-332-1987. Excavators are required to notify the Center of each excavation at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 246-6699 in local Portland area or 1-800-332-2344.

SHEET NO.
2B-3

LEGEND

- Install Inlet Protection For Details, See Sht. 2E
- Construct Aggregate Construction Entrance. Actual Location Subject To Contractors Approved Erosion Control Plan.
- Install Silt Fence For Details, See Sht. 2E
- Place Erosion Control Matting On All Disturbed Slopes Adjacent To Open Water Bodies. Place As Directed. Permanently Seed With Rough Lawn Mix B. See Special Provisions Section 1030.
- Install In-water Silt Curtain At Stormwater Outfalls. Install Per Manufacturer's Specifications.
- Toe Of Fill
- Top Of Cut
- Orange Plastic Mesh Protective Fence

- Notes:
1. All Functioning Roadway Catch Basins Are To Be Protected With Biofilter Bags. Straw Bale Substitution Will Not Be Allowed. For Inlet Protection Details, See Sht. 2E
 2. Re-establish Ground Cover And Landscaping Prior To Removing Erosion Measures.
 3. Protect All Functioning Inlets. Existing Inlets That Are Planned To Be Removed Or Abandoned Shall Be Protected Until The Time In Which The Inlet Is Not Functional. Contractor Shall Stage Erosion Control With Construction Phasing.

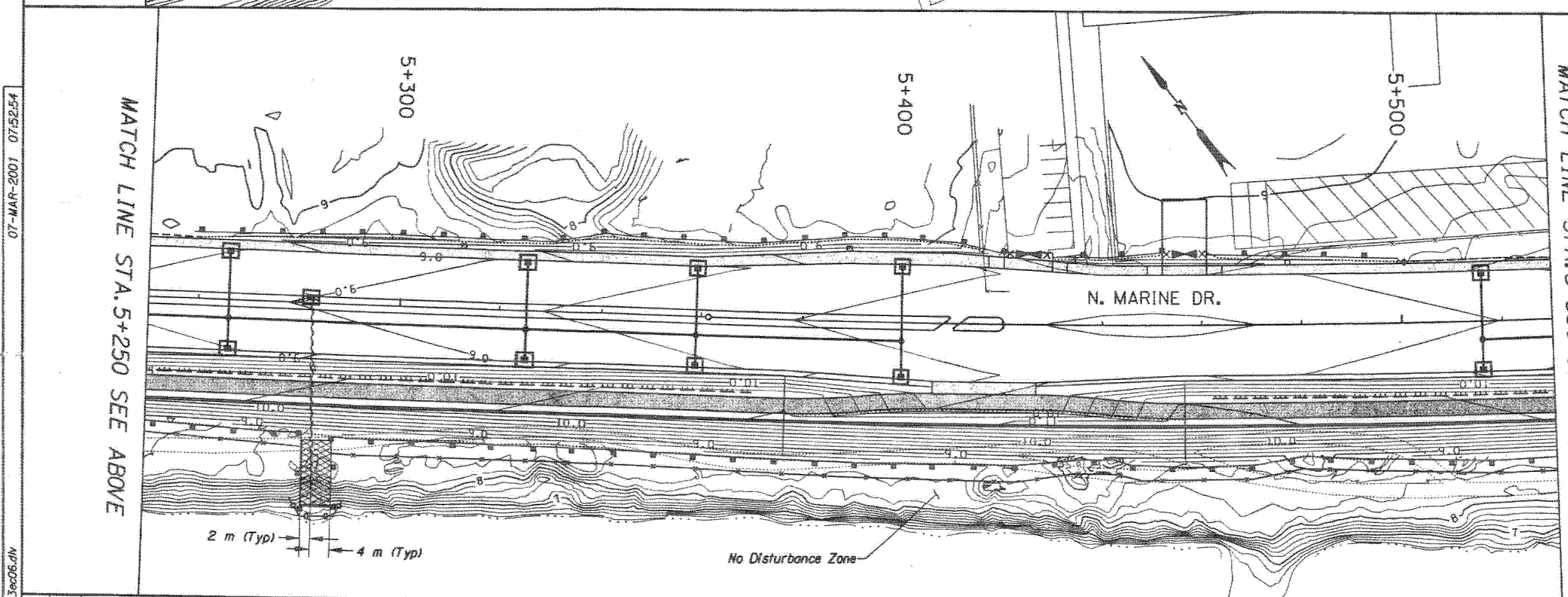


MATCH LINE STA. 4+960 SEE SHEET 2E-6

MATCH LINE STA. 5+250 SEE BELOW

MATCH LINE STA. 5+530 SEE SHEET 2E-8

MATCH LINE STA. 5+250 SEE ABOVE



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PROJECT COMPLETED		JAR	
MAP CORRECTED BY		DRAWN BY	PROGRAM MOR.
DATA ENTERED ON 1/4 SEC. MAP BY		DAH	
CHECKED BY		CHECKED BY	CONST. MOR.
DATA ENTERED ON DIST. MAP BY		MEB	
CHECKED BY		DESIGN MOR.	1/4 SECTION
NO.		DATE	DESCRIPTION
		APPRO.	FINAL MAP DATA



APPROVALS:

E. David Hill
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9663

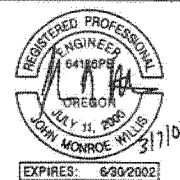
Brant Williams
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES
BRANT WILLIAMS, P.E.

COMMISSIONER
CITY ENGINEER



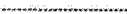
NORTH MARINE DRIVE EXTENSION - PHASE 2
TEMP EROSION AND SEDIMENTATION CONTROL
STA. 4+960 TO STA. 5+530
MULTNOMAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Modification Center. These rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is (503) 232-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 246-6699 in local Portland area or 1-800-332-2344.

SHEET NO.
2E-7

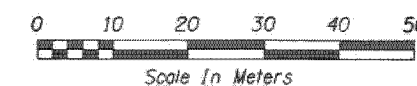
METHODS

LEGEND

-  *Install Inlet Protection
For Details, See Sht. 2E*
-  *Construct Aggregate Construction
Entrance. Actual Location Subject To
Contractors Approved Erosion Control
Plan.*
-  *Install Silt Fence
For Details, See Sht. 2E*
-  *Place Erosion Control Matting On All
Disturbed Slopes Adjacent To Open
Water Bodies. Place As Directed.
Permanently Seed With Rough Lawn
Mix B. See Special Provisions
Section 1030.*
-  *Install In-water Silt Curtain At
Stormwater Outfalls. Install Per
Manufacturer's Specifications.*
-  *Top Of Fill*
-  *Top Of Cut*
-  *Orange Plastic Mesh
Protective Fence*

Notes:

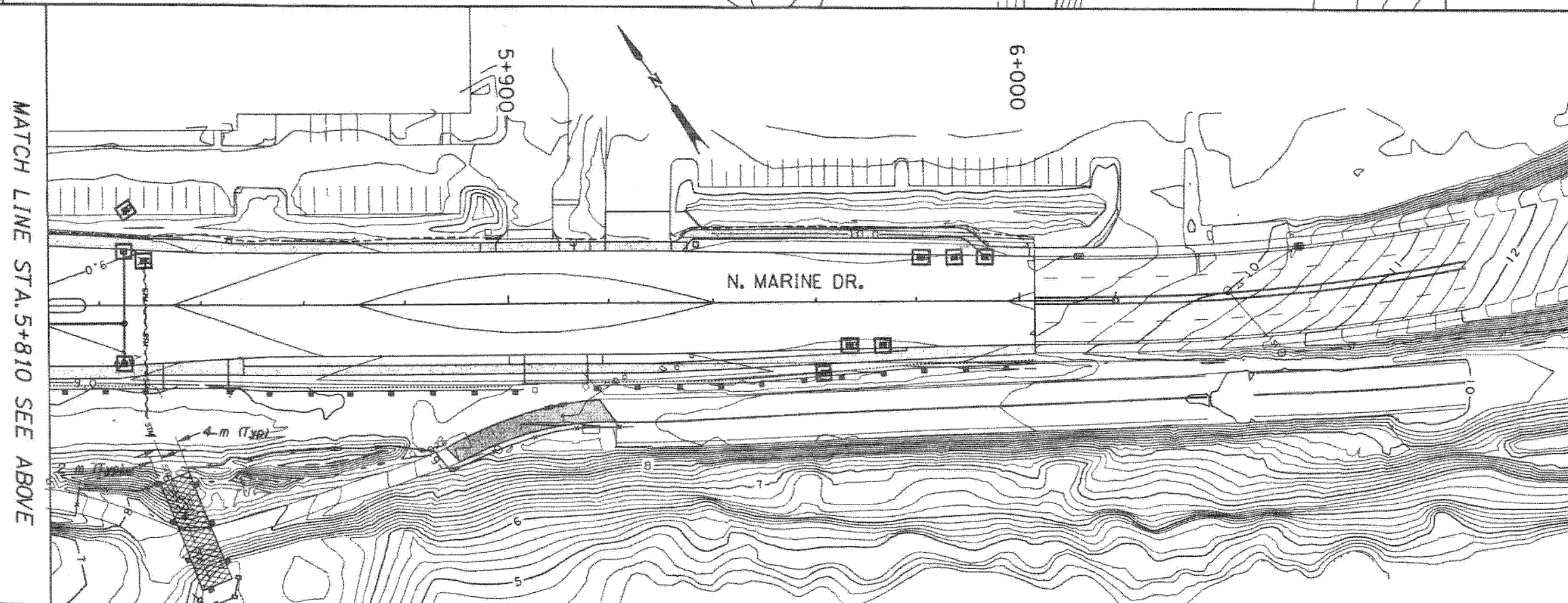
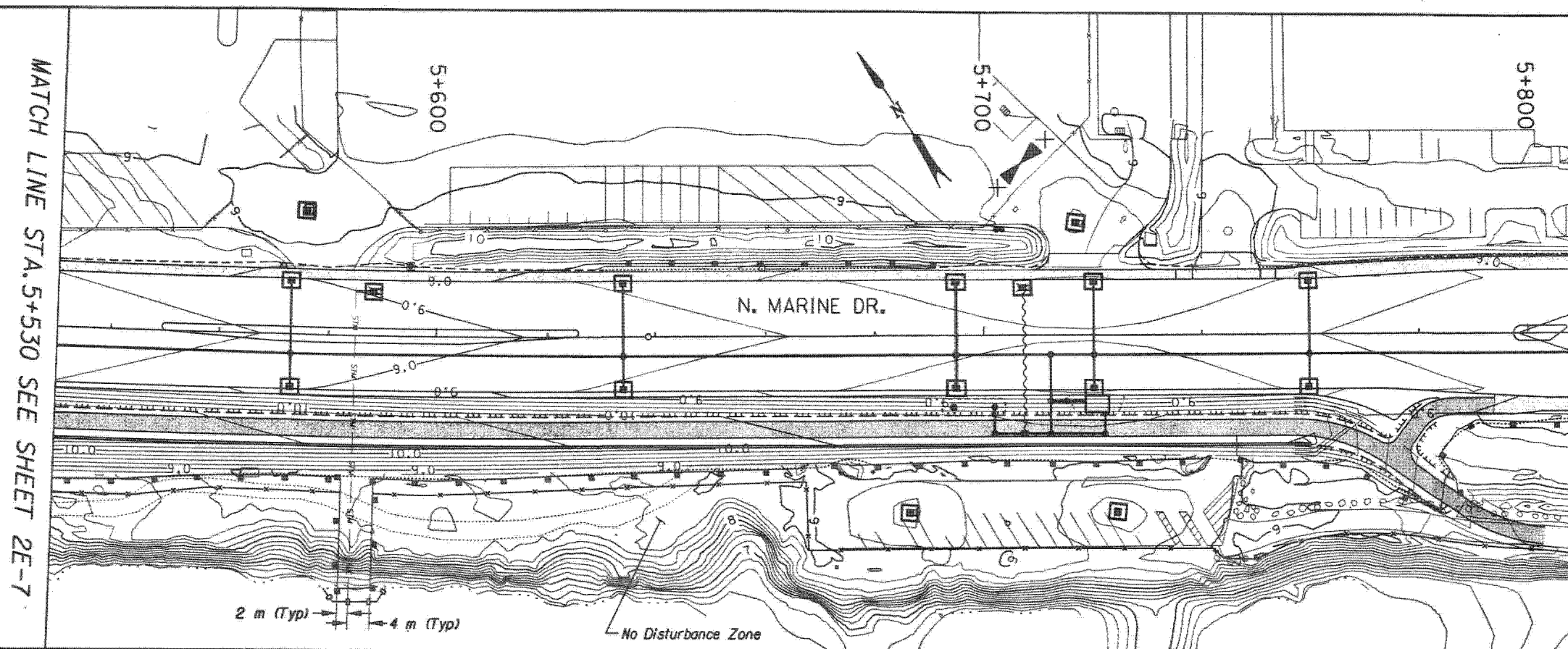
1. All Functioning Roadway Catch Basins Are To Be Protected With Biofilter Bags. Straw Bale Substitution Will Not Be Allowed. For Inlet Protection Details, See Sht. 2E
2. Re-establish Ground Cover And Landscaping Prior To Removing Erosion Measures.
3. Protect All Functioning Inlets. Existing Inlets That Are Planned To Be Removed Or Abandoned Shall Be Protected Until The Time In Which The Inlet Is Not Functional. Contractor Shall Stage Erosion Control With Construction Phasing.



NORTH MARINE DRIVE EXTENSION - PHASE 2
TEMP EROSION AND SEDIMENTATION CONTROL
STA. 5+530 TO STA. 6+020
MULTNOMAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are available in OAR 850-010. Oregon's new OAR 850-010-0090 requires you may obtain copies of the rules by calling the Center. The Center's business number is (503)332-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 246-6699 (the local Portland area) or 1-800-332-2346.

SHEET
NO.
2E-8



				CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
				PROJECT COMPLETED	JAR	
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				DATA ENTERED ON 1/4 SEC. MAP BY	DAH	
				CHECKED BY		
				DATA ENTERED ON DIST. MAP BY	CHECKED BY	CONST. MGR.
					MEB	
NO.	DATE	DESCRIPTION	APPD.	DESIGN MGR.		1/4 SECTION
REVISION				FINAL MAP DATA		



APPROVALS:

L. Donald / Niel
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9663

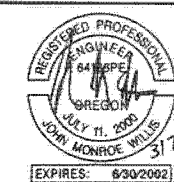
B. H. H. H.
CITY ENGINEER REG. PROF. ENGR. NO. 1434

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

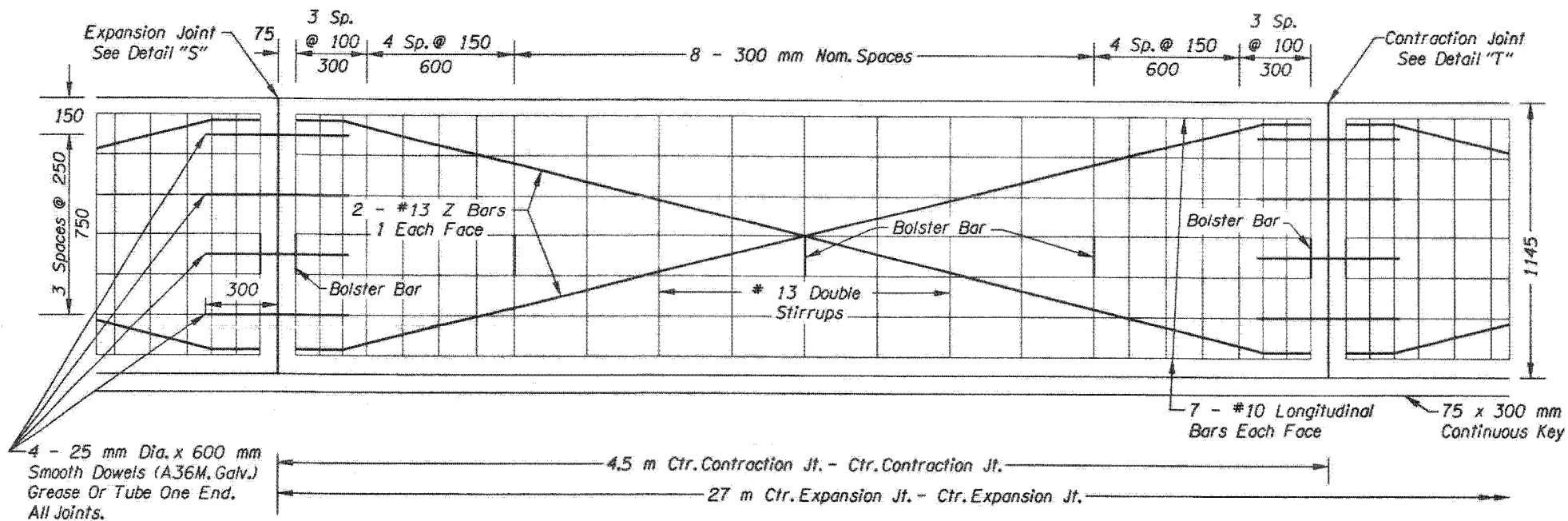
CHARLIE MALES COMMISSIONER

BRANT WILLIAMS, P.E. CITY ENGINEER

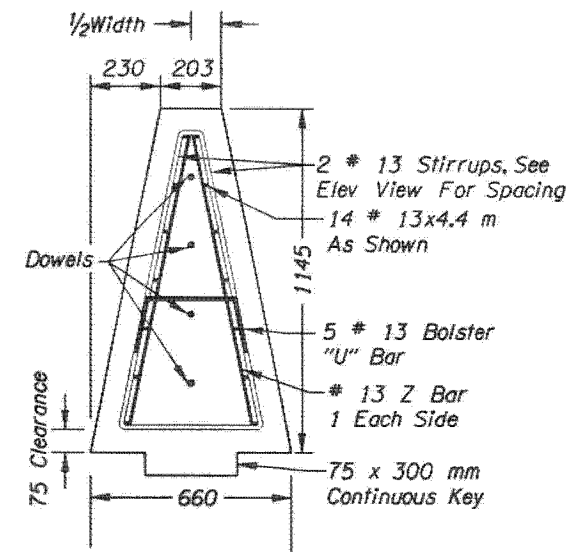


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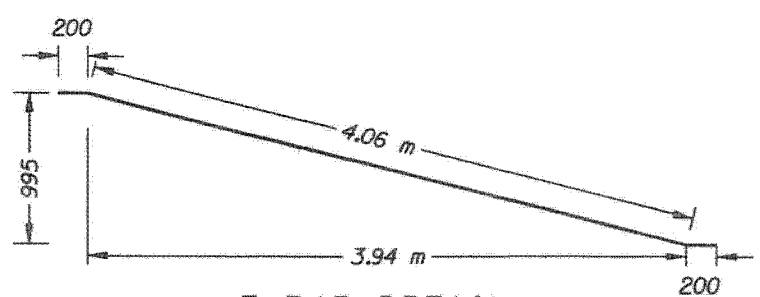
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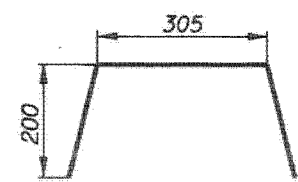
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SINGLE SLOPE CONCRETE BARRIER



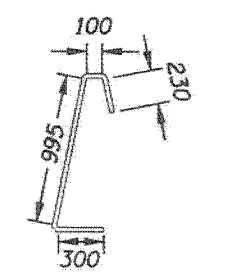
TYPICAL SECTION



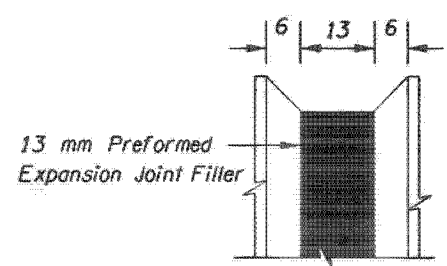
Z BAR DETAIL



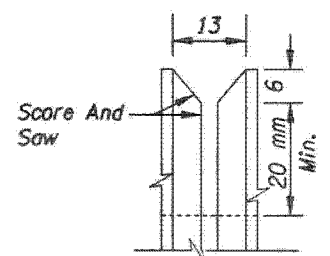
BOLSTER BAR DETAIL



13 STIRRUP



DETAIL "S"
(Expansion Joint)



DETAIL "T"
(Contraction Joint)
Score Depth =
40 mm Typ.

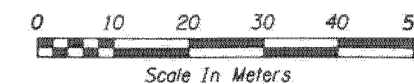
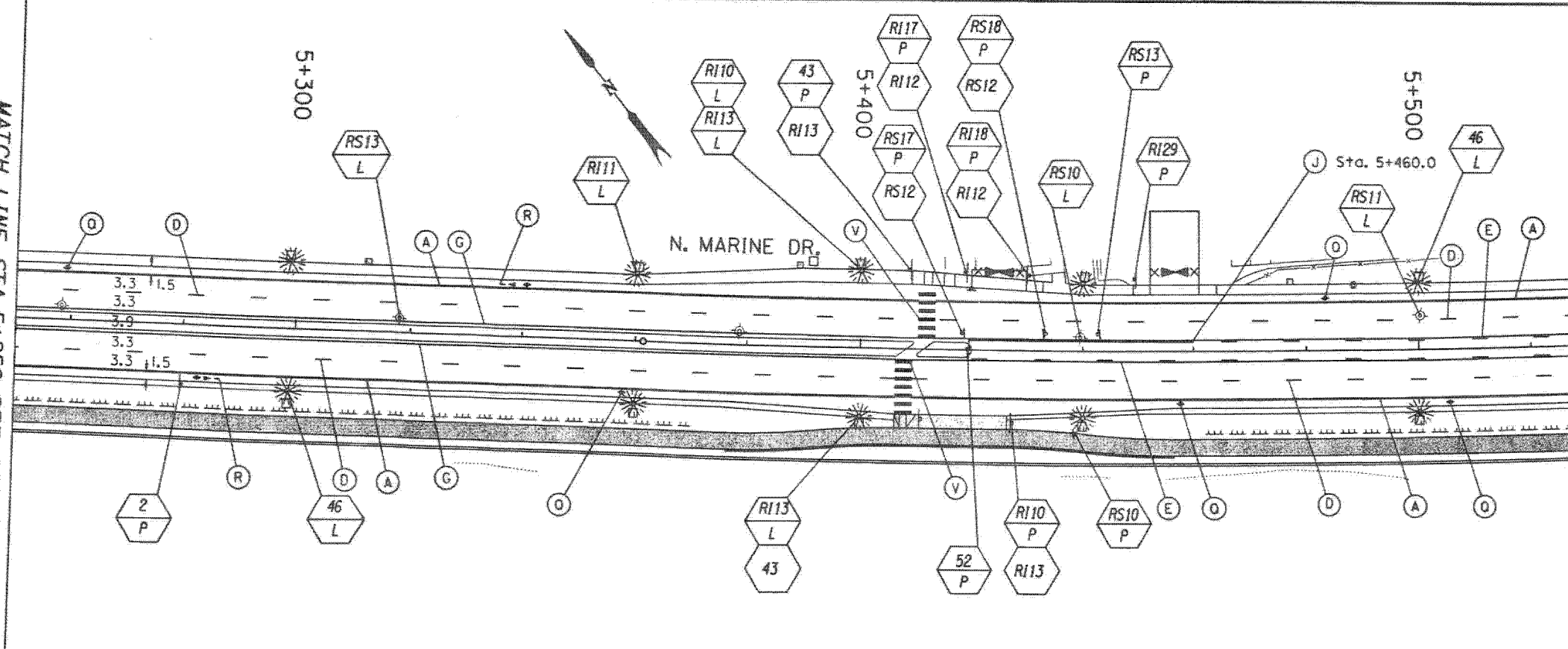
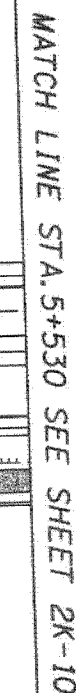
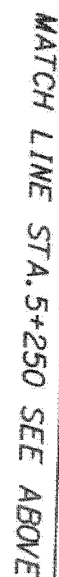
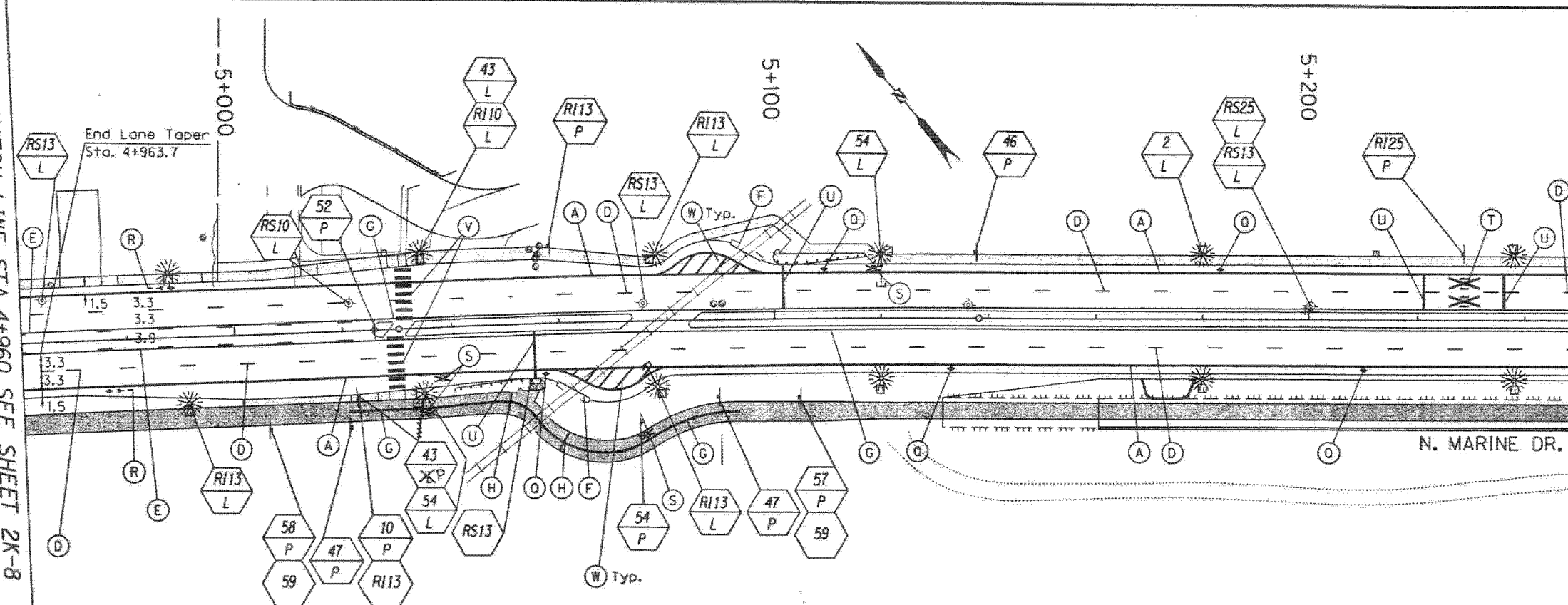
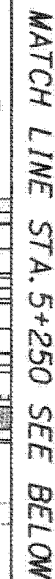
- Notes:
1. All Reinforcing Steel Shall Conform To ASTM A706M Or AASHTO M31M (ASTM A615M) Grade 420. All Bars Shall Be Full Length As Shown And Shall Be Placed 40 mm Clear Of The Nearest Face Of Concrete Unless Shown Otherwise.
 2. Chamfer All Edges 20 mm.

All Dimensions In Millimeters
Unless Otherwise Noted.

		CONSTRUCTED BY		DESIGNED BY	DATE APPROVED		APPROVALS:		CITY OF PORTLAND, OREGON			NORTH MARINE DRIVE EXTENSION - PHASE 2		SHEET NO. 2F
		PROJECT COMPLETED		DLT			L. Daniel Williams		PORTLAND			CONCRETE BARRIER		
		MAP CORRECTED BY		DAH	PROGRAM MGR.		Principal Engineer, Reg. Prof. Engr. NO. 5683		OFFICE OF TRANSPORTATION			DETAILS		
		DATA ENTERED ON 1/4 SEC. MAP BY		CHECKED BY	CONST. MGR.		Brant Williams		CHARLIE HALES			MULTNOMAH COUNTY		
		DATA ENTERED ON DIST. MAP BY		CHECKED BY	JMW		CITY ENGINEER	REG. PROF. ENGR. NO. 14348	BRANT WILLIAMS, P.E.		CITY ENGINEER			
NO. DATE		DESCRIPTION		DESIGN MGR.		1/4 SECTION								
REVISION		FINAL MAP DATA												

07-MAR-2001 07:53:59

NDA:137833-137833w001.dwg



				CONSTRUCTED BY	DESIGNED BY SNK	DATE APPROVED
				PROJECT COMPLETED		
				MAP CORRECTED BY	DRAWN BY RDL	PROGRAM MGR.
				DATA ENTERED ON 1/4 SEC. MAP BY	CHECKED BY	CONST. MGR.
				DATA ENTERED ON DIST. MAP BY	JMW	
NO.	DATE	DESCRIPTION	APPRO.	DESIGN MGR.		1/4 SECTION
REVISION				FINAL MAP DATA		



APPROVALS:

Robert M. Buschfeld
CITY TRAFFIC ENGINEER REG. PROF. ENGR. NO. 13934
E. Smith
CITY ENGINEER REG. PROF. ENGR. NO. 14341

CITY OF PORTLAND, OREGON

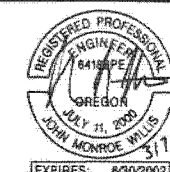
PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE MALES

BRANT WILLIAMS, P.E.

COMMISSIONER

CITY ENGINEER



NORTH MARINE DRIVE EXTENSION - PHASE 2
SIGNING AND PAVEMENT MARKING
STA. 4+960 TO STA. 5+530
MULTNOMAH COUNTY

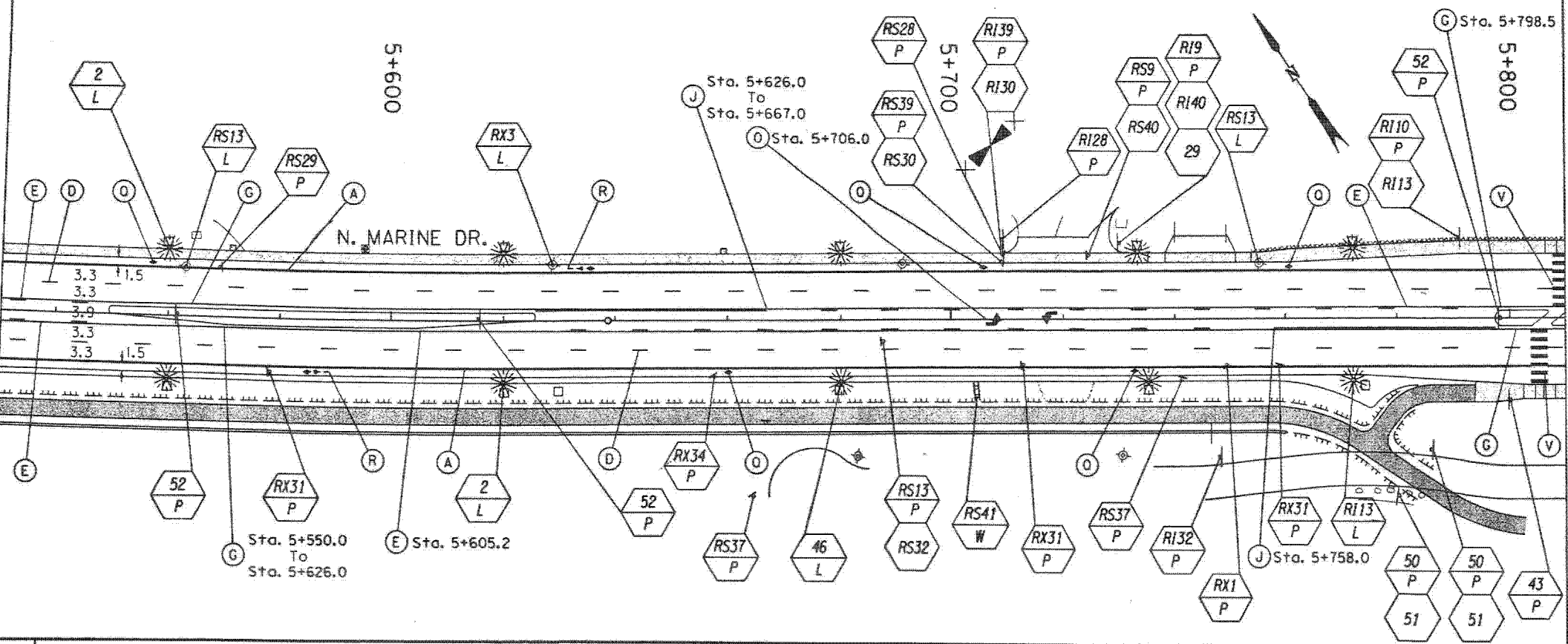
MULTNOMAH COUNTY
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 95E 00100 through OAR 95E 00900. You may obtain a copy of the rules by calling the Center. The Center business number is 1503232-1997. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 1-800-332-6699 in local Portland area or 1-800-332-2344.

SHEET
NO.

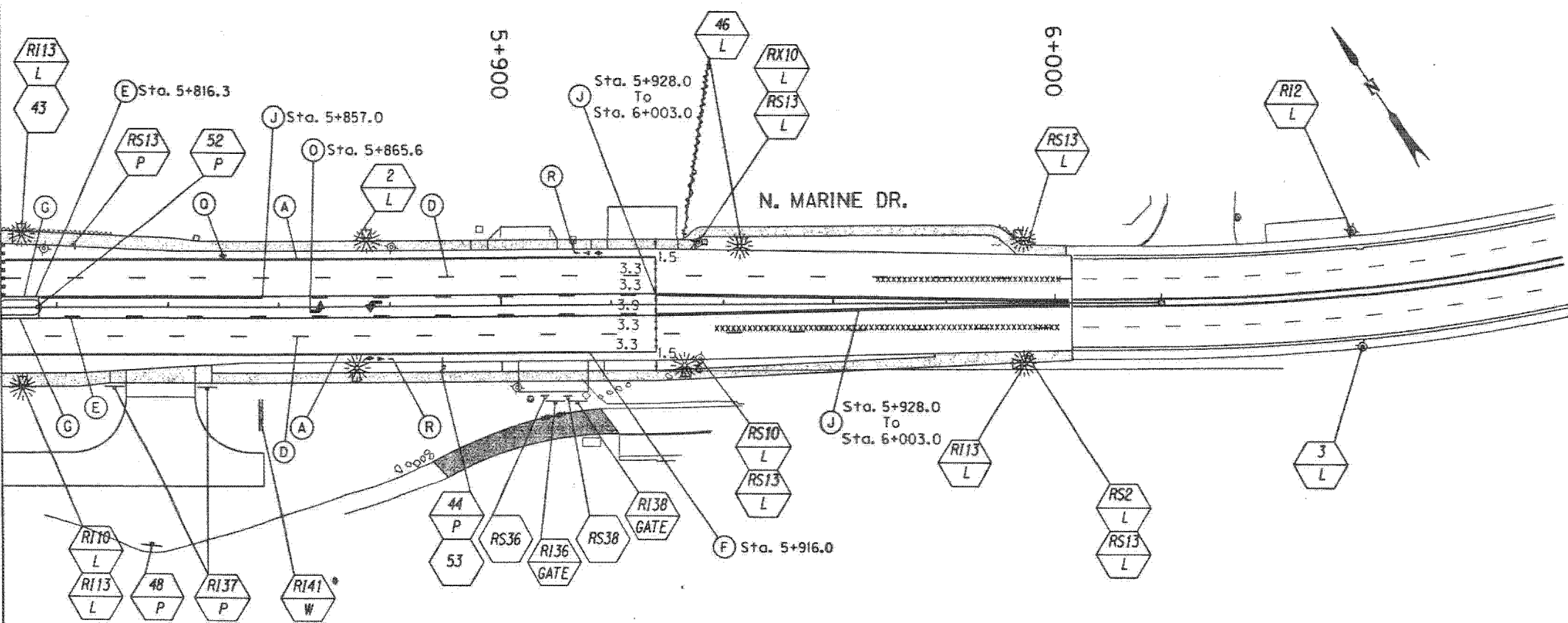
2K-9

MATCH LINE STA. 5+530 SEE SHEET 2K-9

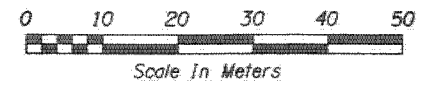
MATCH LINE STA. 5+810 SEE BELOW



MATCH LINE STA. 5+810 SEE ABOVE



* Position Sign 41 So As Not To Obstruct View For Drivers



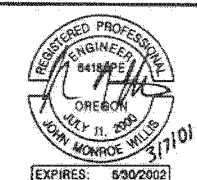
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CONSTRUCTED BY		DESIGNED BY	DATE APPROVED
PROJECT COMPLETED		SNK	
MAP CORRECTED BY		DRAWN BY	PROGRAM MGR.
DATA ENTERED ON 1/4 SEC. MAP BY		RDL	
CHECKED BY		CHECKED BY	CONST. MGR.
DATA ENTERED ON DIST. MAP BY		JNW	
CHECKED BY		DESIGN MGR.	1/4 SECTION
APPROVED			
REVISION		FINAL MAP DATA	



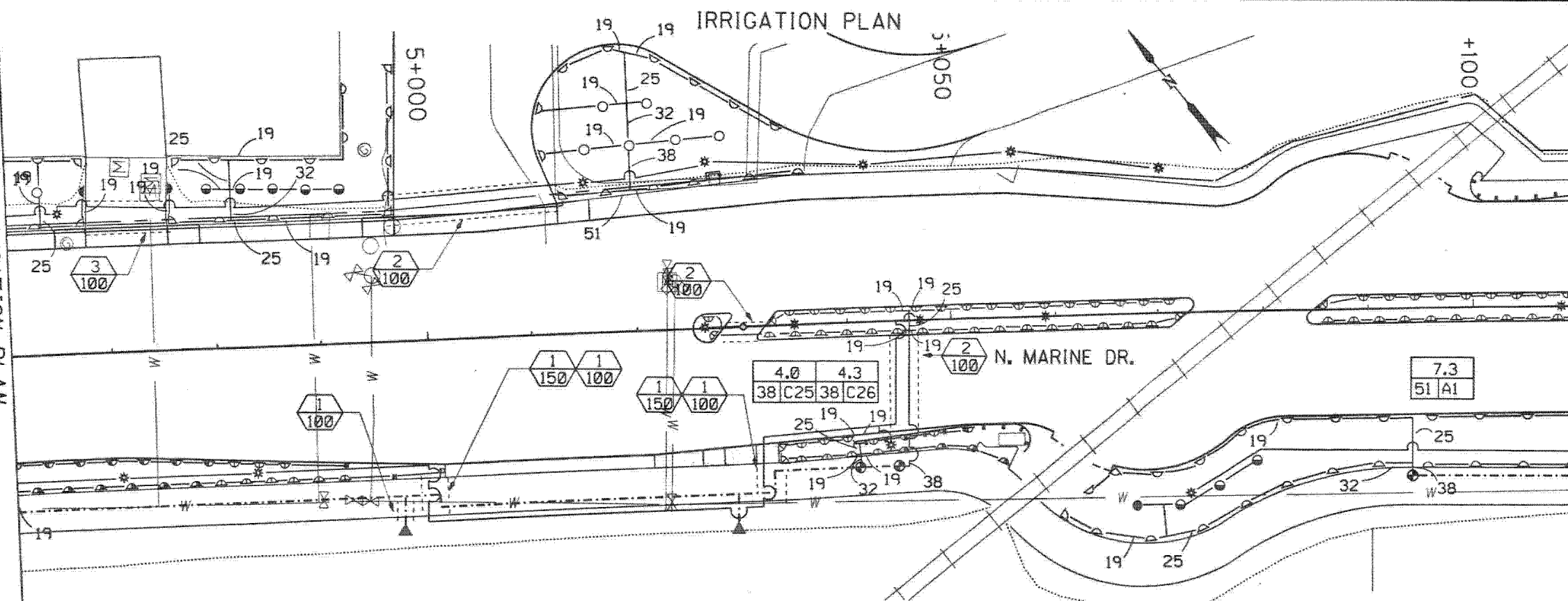
APPROVALS:
Robert M. Brackfield
CITY TRAFFIC ENGINEER, REG. PROF. ENGR. NO. 13536
Brant Williams
CITY ENGINEER, REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON
PORTLAND
OFFICE OF TRANSPORTATION
CHARLIE MALES
COMMISSIONER
BRANT WILLIAMS, P.E.
CITY ENGINEER

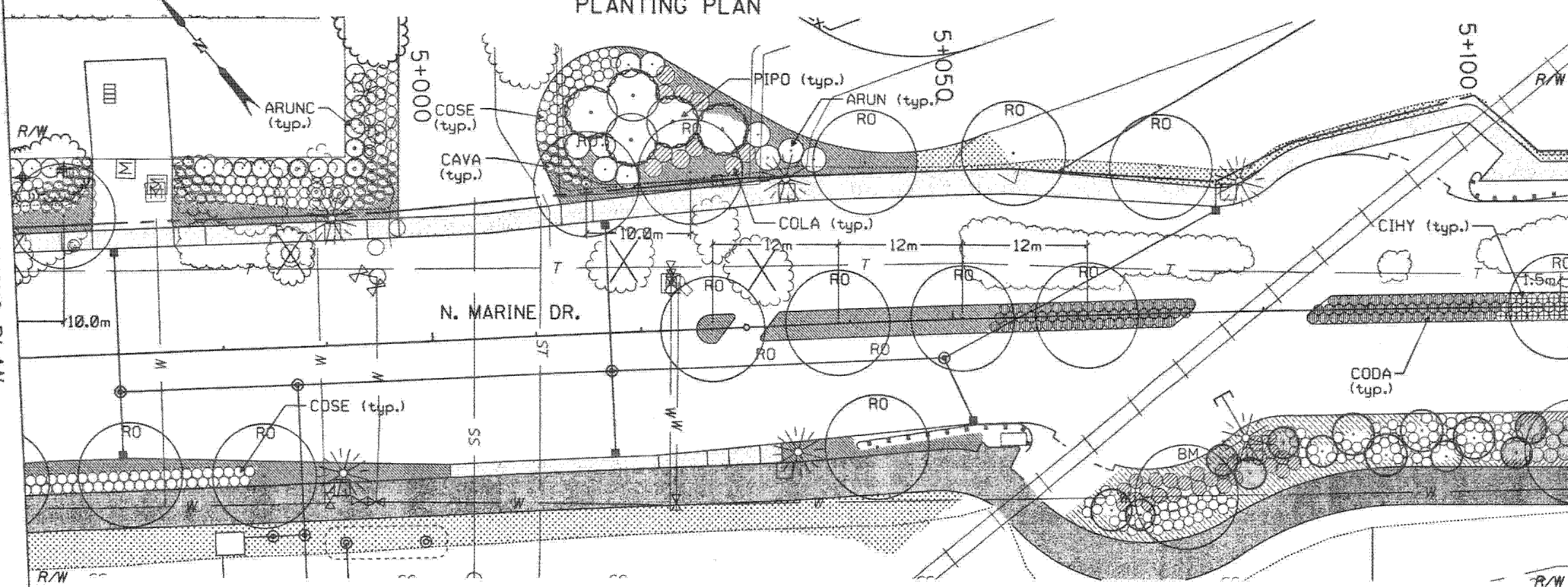


NORTH MARINE DRIVE EXTENSION - PHASE 2
SIGNING AND PAVEMENT MARKING
STA. 5+530 TO STA. 6+020
MULTNOMAH COUNTY
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 922-001-0010 through OAR 922-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-252-1587. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 1-800-865-8659 (in local Portland area) or 1-800-332-2344.
SHEET NO.
2K-10

WALKER-MACY

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.IRRIGATION PLAN
MATCH LINE STA. 5+110 SEE SHEET 2N-22IRRIGATION PLAN
MATCH LINE STA. 4+960 SEE SHEET 2N-20REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR
LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL
PLANTING KEY FOR GROUND COVER AND PLANTING KEY
OUTSIDE E-ZONE PLANTING.PLANTING PLAN
MATCH LINE STA. 5+110 SEE SHEET 2N-22

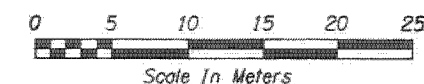
PLANTING PLAN

PLANTING PLAN
MATCH LINE STA. 4+960 SEE SHEET 2N-20

E-ZONE PLANTING KEY

- | | | | |
|--|-----------------------|--|--------------|
| | CREeping SNOWBERRY | | CASCARA |
| | KINNICKINICK | | MADRONE |
| | STRAWBERRY | | HAZELNUT |
| | TALL OREGON-GRAPE | | SERVICEBERRY |
| | BALDHIP ROSE | | GARRY OAK |
| | MOCK ORANGE | | |
| | OCEAN SPRAY | | |
| | HAIRY MANZANITA | | |
| | RED-FLOWERING CURRANT | | |

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN

NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 4+960 TO STA. 5+110
MULTNOMAH COUNTYATTENTION: 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 OAR 952-001-0050.
You may obtain copies of the rules by calling the Center.
The Center's business hours are 8:00 a.m. to 5:00 p.m., Monday
through Friday. The Center is located at 1000 NE Oregon Street,
Portland, Oregon 97232. For more information, call 1-800-332-2544.
or 503-241-2544.SHEET
NO.
2N-21

CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
PROJECT COMPLETED	LH/GK	
MAP CORRECTED BY	DRAWN BY	PROGRAM MGR.
	WG/GK	
DATA ENTERED ON 1/4 SEC. MAP BY	CHECKED BY	CONST. MGR.
	BBB/BS	
DATA ENTERED ON DIST. MAP BY	CHECKED BY	DESIGN MGR.
		1/4 SECTION
REVISION	FINAL MAP DATA	



APPROVALS:

G. David Hill
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9663

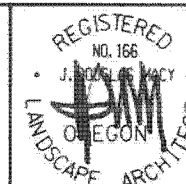
Brant Williams
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

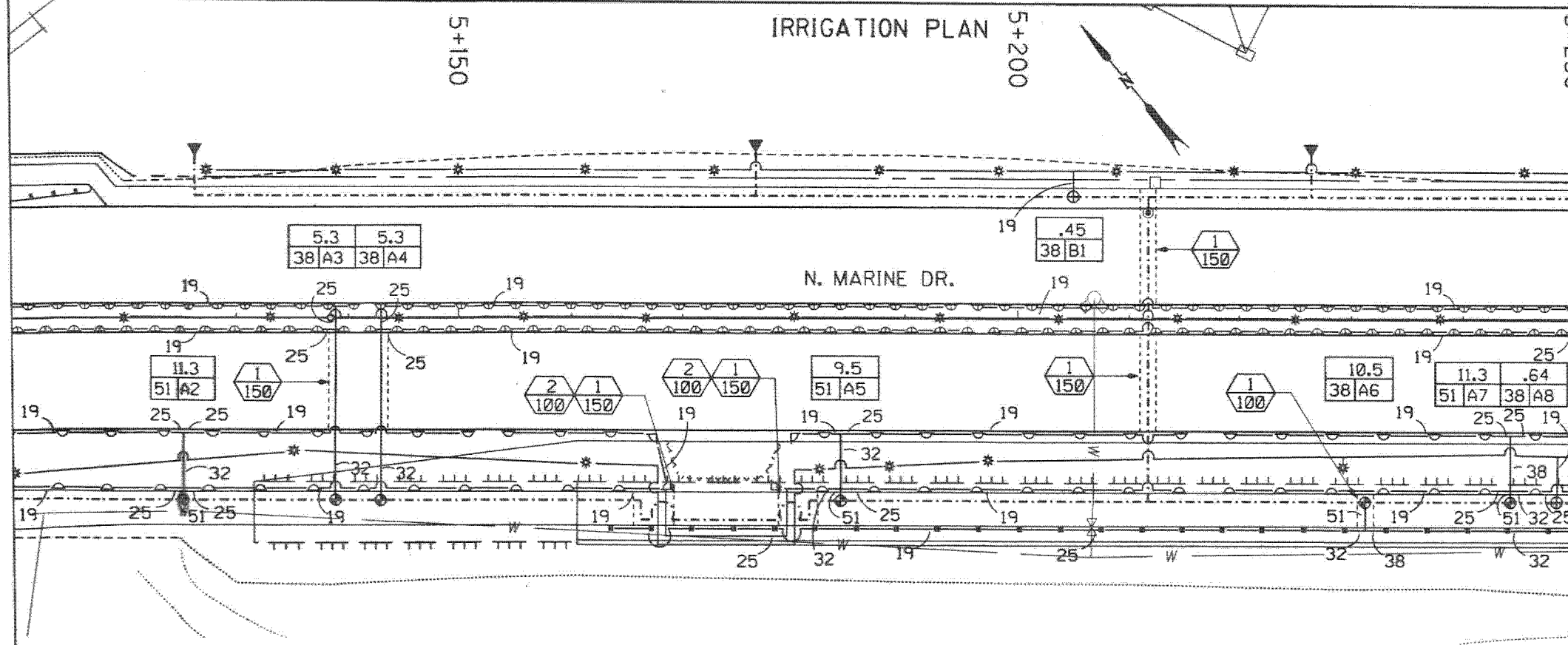
CHARLIE HALES
COMMISSIONER

BRANT WILLIAMS, P.E.
CITY ENGINEER



IRRIGATION PLAN
MATCH LINE STA. 5+250 SEE SHEET 2N-23

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.

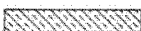
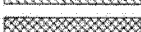


IRRIGATION PLAN
MATCH LINE STA. 5+110 SEE SHEET 2N-21

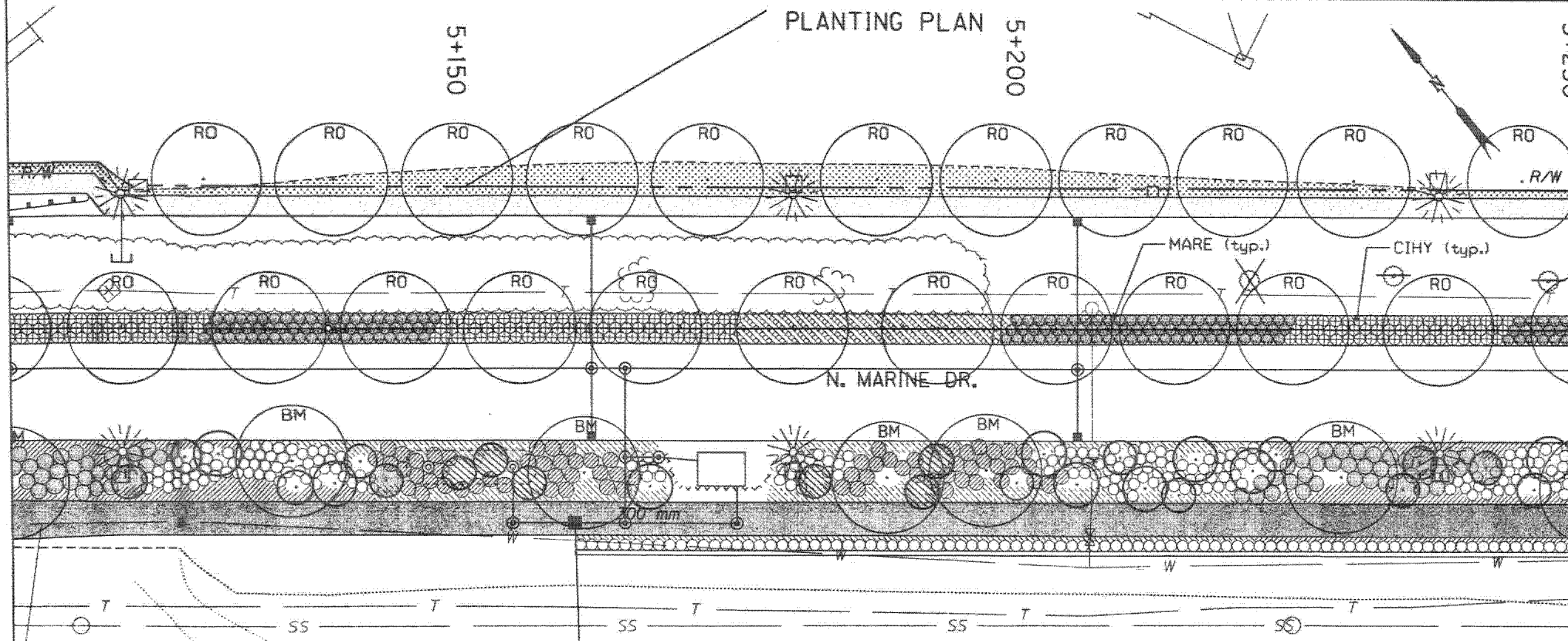
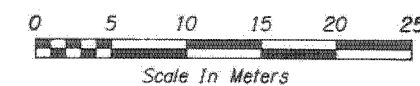
PLANTING PLAN
MATCH LINE STA. 5+250 SEE SHEET 2N-23

REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL PLANTING KEY FOR GROUND COVER AND PLANTING KEY OUTSIDE E-ZONE PLANTING.

E-ZONE PLANTING KEY

-  CREEPING SNOWBERRY
 KINKIKINNICK
 STRAWBERRY
- TALL OREGON-GRAPE
 ⊙ BALDHIP ROSE
 ⊗ MOCK ORANGE
 ⊘ OCEAN SPRAY
 ⊙ HAIRY MANZANITA
 ⊕ RED-FLOWERING CURRANT
-  CASCARA
 ○ MADRONE
 HAZELNUT
 ○ SERVICEBERRY
 GARRY OAK

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN



PLANTING PLAN
MATCH LINE STA. 5+110 SEE SHEET 2N-21

				CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
				PROJECT COMPLETED	LH/GK	
				MAP CORRECTED BY	DRAWN BY	PROGRAM MGR.
				DATA ENTERED ON 1/4 SEC.MAP BY	WG/GK	
				CHECKED BY		
				DATA ENTERED ON DIST.MAP BY	CHECKED BY	CONST. MGR.
					BBB/BS	
NO.	DATE	DESCRIPTION	APPL.	DESIGN MGR.		1/4 SECTION
REVISION				FINAL MAP DATA		



APPROVALS:
G. Donald Hill
 PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9663
B. H. Hill
 CITY ENGINEER REG. PROF. ENGR. NO. 14346

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES COMMISSIONER

BRANT WILLIAMS, P.E. CITY ENGINEER

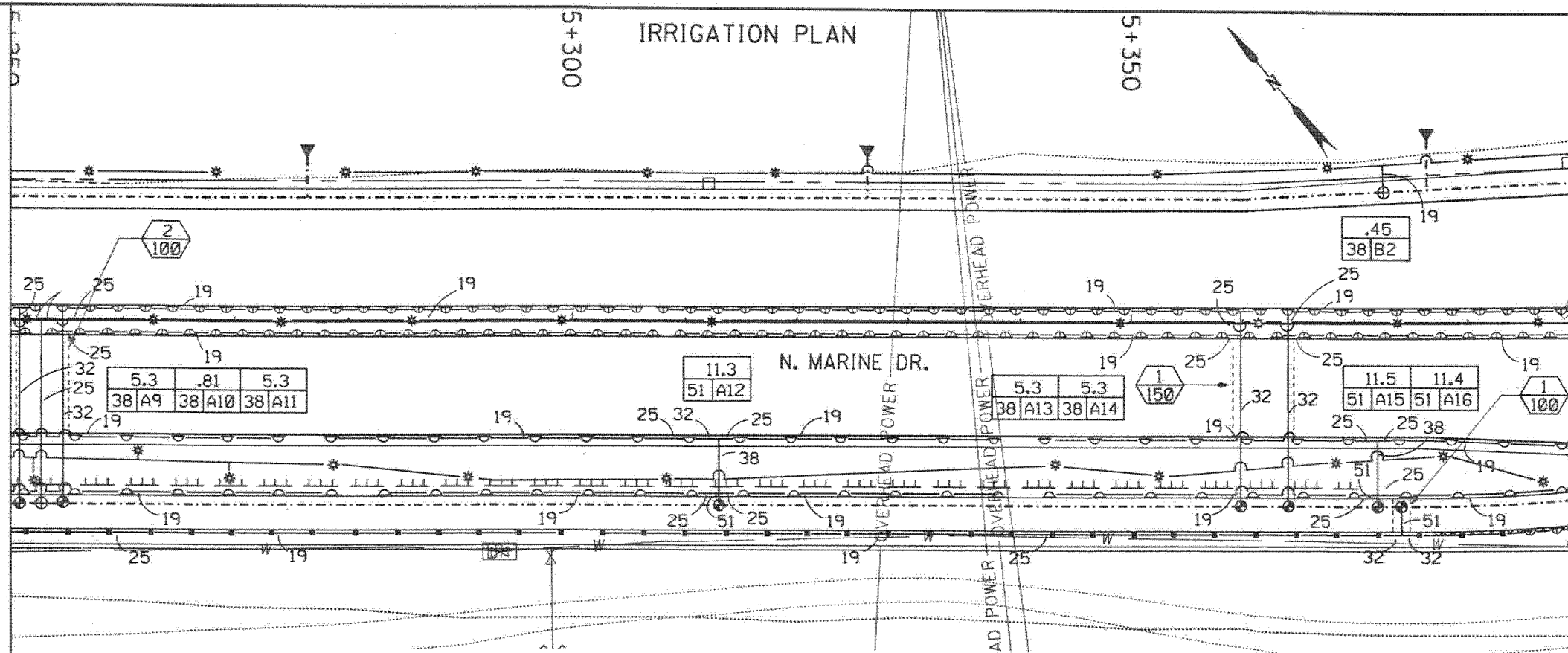
A circular professional seal for J. Douglas May. The outer ring contains the text "REGISTERED" at the top, "NO. 166" in the center, and "LANDSCAPE ARCHITECT" at the bottom. Inside the ring, the name "J. DOUGLAS MAY" is written in a stylized font, with "OREGON" written below it. A large, dark, stylized signature or stamp is overlaid on the center of the seal.

NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+110 TO STA. 5+250
MULTNOMAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Mutual Clearing Center. Those rules are set forth in ORAR 952-001-0010 through ORAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-322-2347. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing excavation. To comply, call 248-6699 in local Portland area or 1-800-322-2344.

SHEET
NO.
2N-22

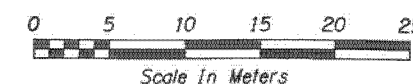
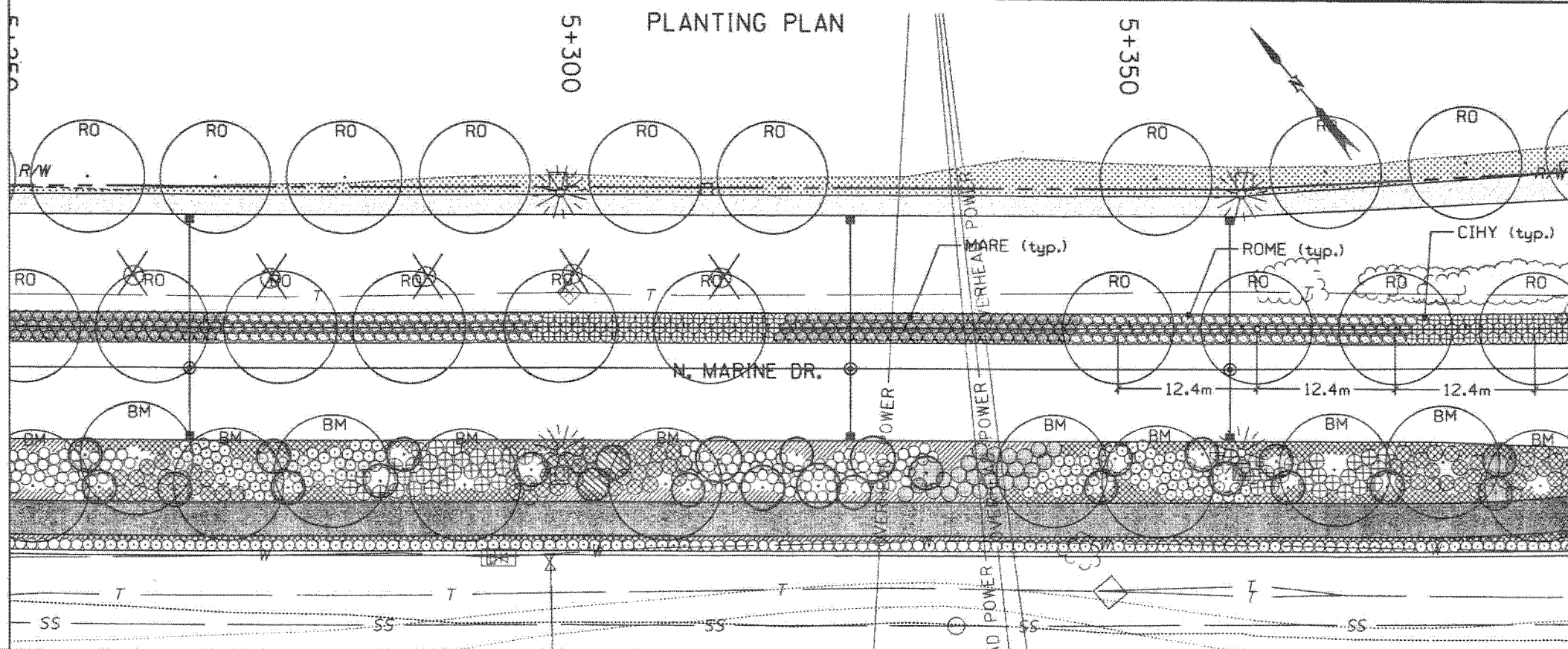
WALKER-MACY

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.IRRIGATION PLAN
MATCH LINE STA. 5+250 SEE SHEET 2N-22IRRIGATION PLAN
MATCH LINE STA. 5+390 SEE SHEET 2N-24REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR
LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL
PLANTING KEY FOR GROUND COVER AND PLANTING KEY
OUTSIDE E-ZONE PLANTING.

E-ZONE PLANTING KEY

- CREEPING SNOWBERRY
- KINKIKINNICK
- STRAWBERRY
- TALL OREGON-GRAPE
- BALDHIP ROSE
- MOCK ORANGE
- OCEAN SPRAY
- HAIRY MANZANITA
- RED-FLOWERING CURRANT
- CASCARA
- MADRONE
- HAZELNUT
- SERVICEBERRY
- GARRY OAK

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN

PLANTING PLAN
MATCH LINE STA. 5+250 SEE SHEET 2N-22PLANTING PLAN
MATCH LINE STA. 5+390 SEE SHEET 2N-24

CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
PROJECT COMPLETED	LH/GK	
MAP CORRECTED BY	DRAWN BY	PROGRAM MGR.
DATA ENTERED ON 1/4" SEC. MAP BY	WC/GK	
CHECKED BY	CHECKED BY	CONST. MGR.
DATA ENTERED ON DIST. MAP BY	BBB/BS	
	DESIGN MGR.	1/4" SECTION



APPROVALS:

E. D. Davis / *Prof. Engr.*

PRINCIPAL ENGINEER, REG. PROF. ENGR. NO. 9663

Brant Williams

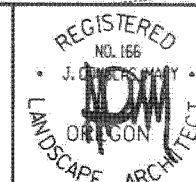
CITY ENGINEER, REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES
COMMISSIONER

BRANT WILLIAMS, P.E.
CITY ENGINEER



NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+250 TO STA. 5+390
MULTNOMAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 958-001-0010 through OAR 958-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-332-1997. Excavators are required to notify the Center of each 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 1-800-332-1997 or 1-800-332-2344.

SHEET
NO.
2N-23

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.

IRRIGATION PLAN
MATCH LINE STA. 5+530 SEE SHEET 2N-25

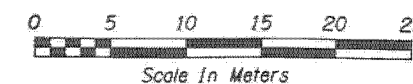
PLANTING PLAN
MATCH LINE STA. 5+530 SEE SHEET 2N-25

REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL PLANTING KEY FOR GROUND COVER AND PLANTING KEY OUTSIDE E-ZONE PLANTING.

E-ZONE PLANTING KEY

- | | | | |
|---|-----------------------|---|--------------|
|  | CREEPING SNOWBERRY | | |
|  | KINKIKINNICK | | |
|  | STRAWBERRY | | |
|  | TALL OREGON-GRAPE |  | CASCARA |
|  | BALDHIP ROSE |  | WADRONE |
|  | MOCK ORANGE |  | HAZELNUT |
|  | OCEAN SPRAY |  | SERVICEBERRY |
|  | HAIRY MANZANITA |  | GARRY OAK |
|  | RED-FLOWERING CURRANT | | |

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN



NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+390 TO STA. 5+530
MULINOWAH COUNTY

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 92A-02-0000 through OAR 92A-02-0090. You may obtain copies of the rules by calling the Center. The Center business number is (503) 322-1987. Excavators are required to notify the Center at least 2 business days, but no more than 10 business days, before commencing an excavation. To comply, call 1-800-246-6699 in the local Portland area or 1-800-332-3344.

SHEET
NO.
2N-24

IRRIGATION PLAN

N. MARINE DR.

PLANTING PLAN

N. MARINE DR.

IRRIGATION PLAN
MATCH LINE STA. 5+390 SEE SHEET 2N-23

PLANTING PLAN
MATCH LINE STA. 5+390 SEE SHEET 2N-23

28-FEB-2001 12:11:53

WDM:137833:137833s24.dv

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				PROJECT COMPLETED	LH/GK	
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					WG/GK	
				DATA ENTERED ON ¼ SEC. MAP BY	CHECKED BY	
				DATA ENTERED ON DIST. MAP BY	CHECKED BY	CONST. MOD.
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NO.	DATE	DESCRIPTION	APPRO.	DESIGN MOD.		
REVISION				FINAL MAP DATA		
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APPROVALS:

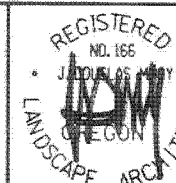
L. Donald Hill

PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 8663

Burt H. Hill

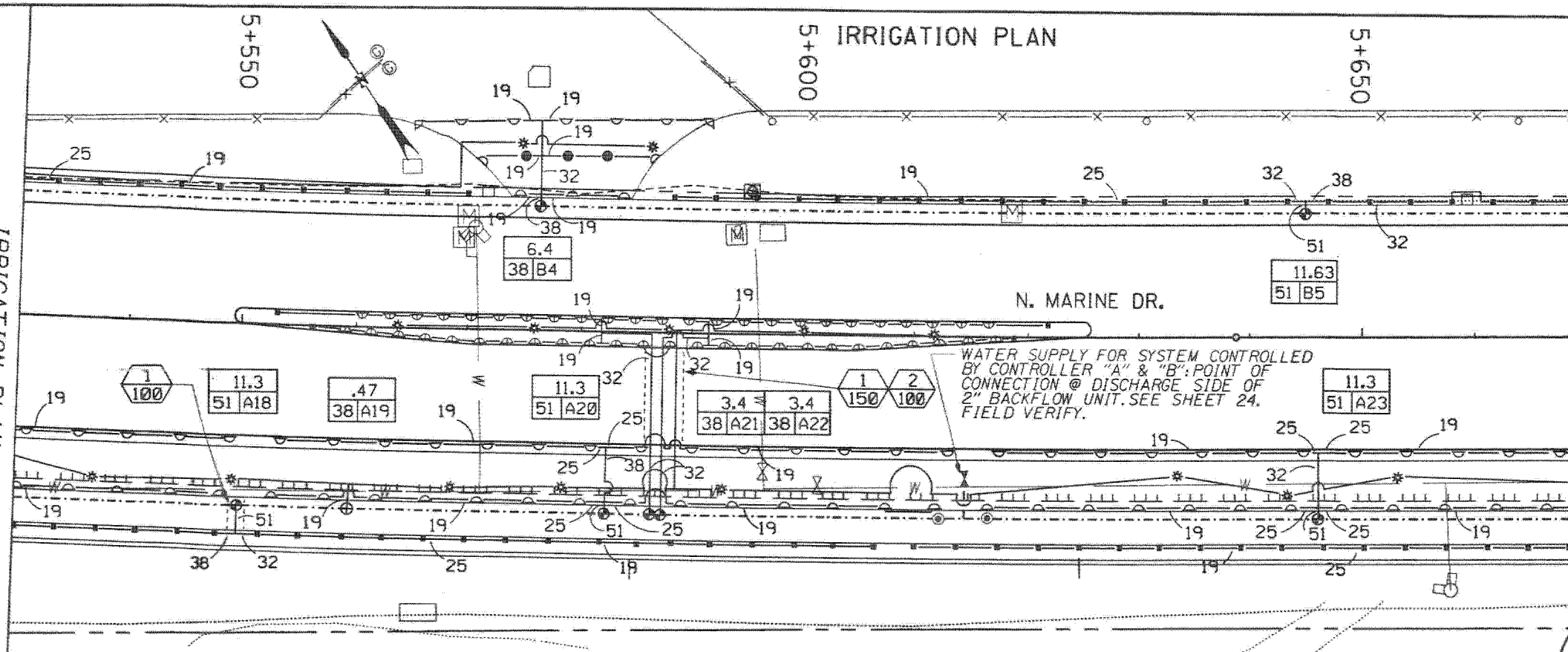
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON
PORTLAND
OFFICE OF TRANSPORTATION
CHARLIE MALES COMMISSIONER
BRANT WILLIAMS, P.E. CITY ENGINEER



ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Liquor Control Board. These rules are available in OAR 845-005-0000 through 845-005-0099. You may obtain copies of the rules by calling the Center. The Center business number is 1-503-312-1587. Exceeders are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an exemption. For assistance, call 1-800-332-3344 or 503-312-1587. 1-800-332-3344

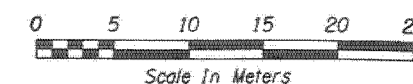
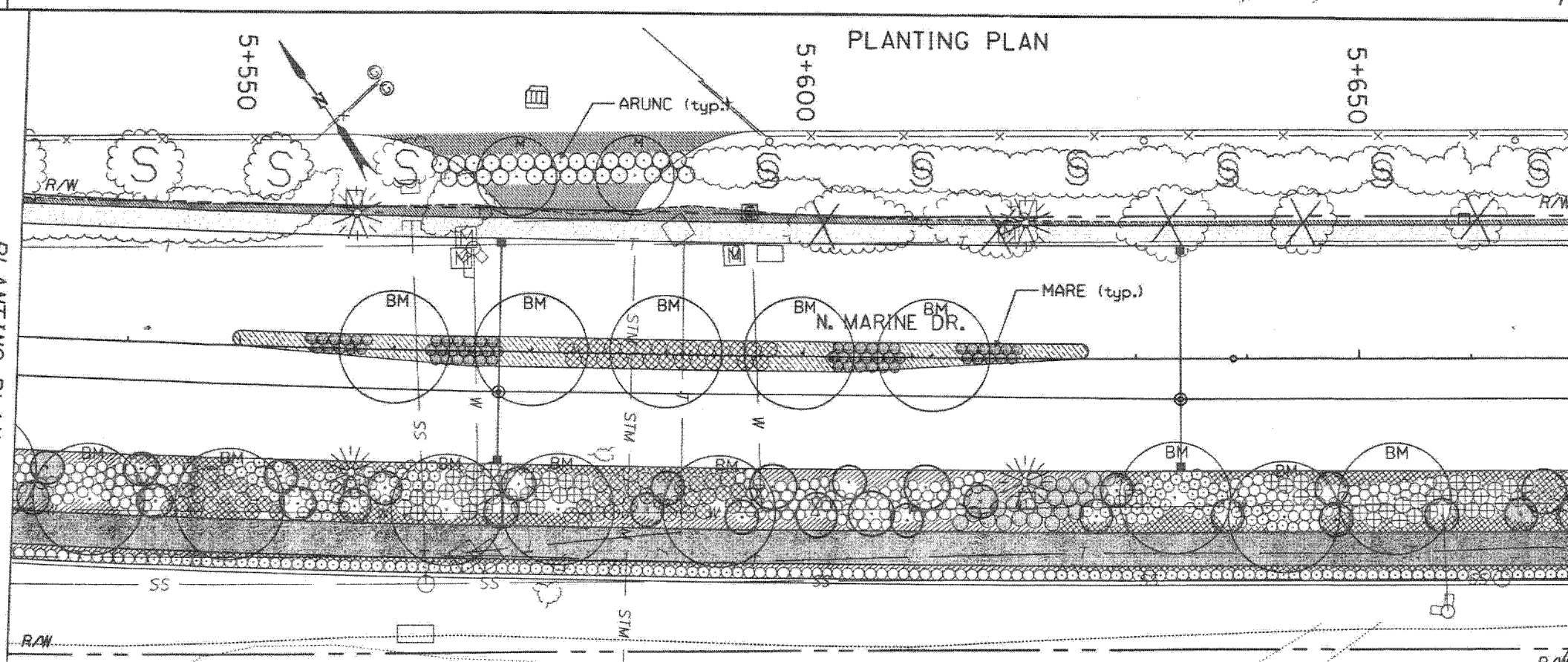
WALKER-MACY

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.IRRIGATION PLAN
MATCH LINE STA. 5+670 SEE SHEET 2N-26IRRIGATION PLAN
MATCH LINE STA. 5+530 SEE SHEET 2N-24REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR
LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL
PLANTING KEY FOR GROUND COVER AND PLANTING KEY
OUTSIDE E-ZONE PLANTING.

E-ZONE PLANTING KEY

- | | | | |
|--|-----------------------|--|--------------|
| | CREEPING SNOWBERRY | | CASCARA |
| | KINKIKINNICK | | MADRONE |
| | STRAWBERRY | | HAZELNUT |
| | TALL OREGON-GRAPE | | SERVICEBERRY |
| | BALDIP ROSE | | GARRY OAK |
| | MOCK ORANGE | | |
| | OCEAN SPRAY | | |
| | HAIRY MANZANITA | | |
| | RED-FLOWERING CURRANT | | |

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN

PLANTING PLAN
MATCH LINE STA. 5+670 SEE SHEET 2N-26PLANTING PLAN
MATCH LINE STA. 5+530 SEE SHEET 2N-24

CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
PROJECT COMPLETED	LH/GK	
MAP CORRECTED BY	DRAWN BY	PROGRAM MGR.
DATA ENTERED ON 1/4" SEC. MAP BY	WG/GK	
CHECKED BY	CHECKED BY	CONST. MGR.
DATA ENTERED ON DIST. MAP BY	BBB/BS	
CHECKED BY	DESIGN MGR.	1/4" SECTION
REVISION	FINAL MAP DATA	



APPROVALS:

h. David Hill
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9683

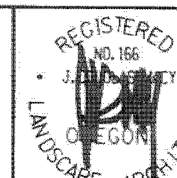
B. H. Hill
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES
BRANT WILLIAMS, P.E.

COMMISSIONER
CITY ENGINEER



NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+530 TO STA. 5+670
MULTNOMAH COUNTY

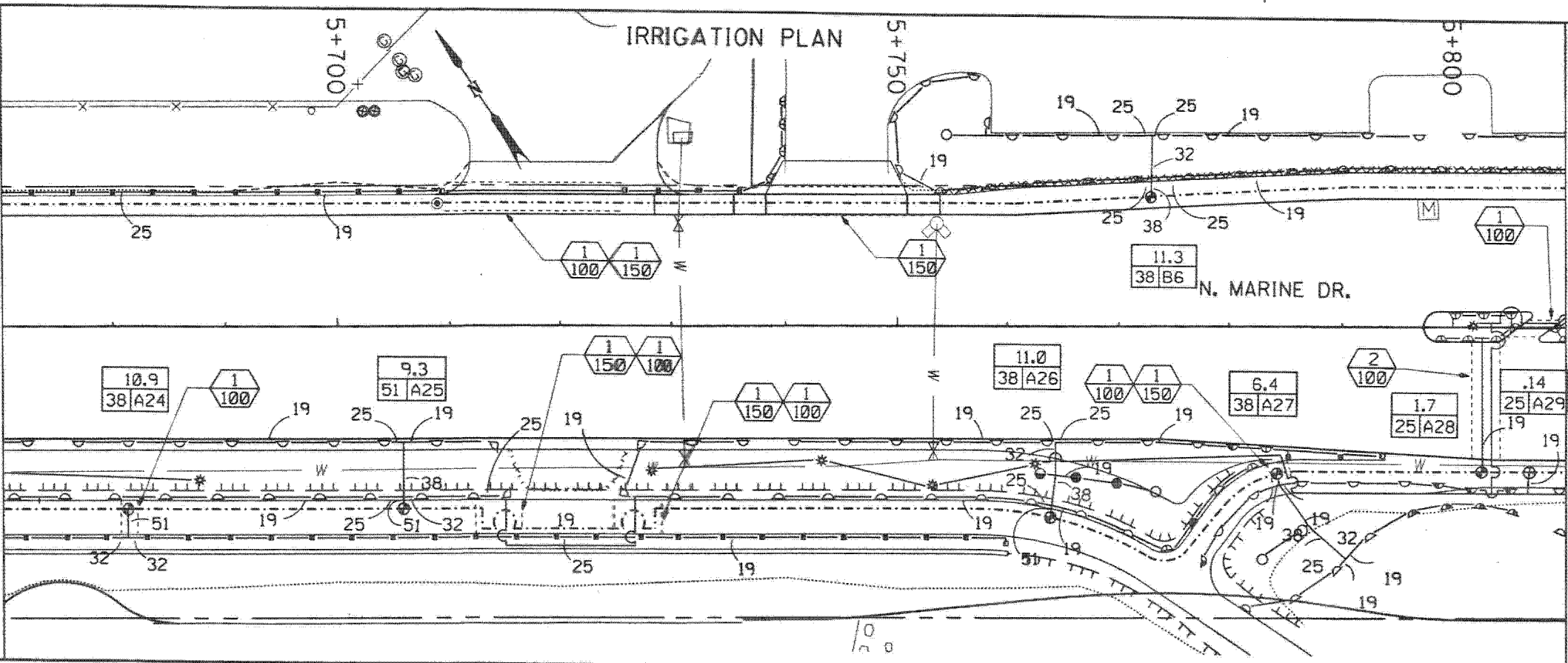
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center's business number is 1-800-332-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing any excavation. To comply, call 248-6899 in local Portland area or 1-800-332-2344.

SHEET
NO.
2N-25

WALKER-MACY

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.

IRRIGATION PLAN
MATCH LINE STA. 5+810 SEE SHEET 2N-27



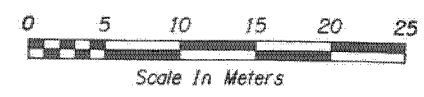
IRRIGATION PLAN
MATCH LINE STA. 5+670 SEE SHEET 2N-25

REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR
LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL
PLANTING KEY FOR GROUND COVER AND PLANTING KEY
OUTSIDE E-ZONE PLANTING.

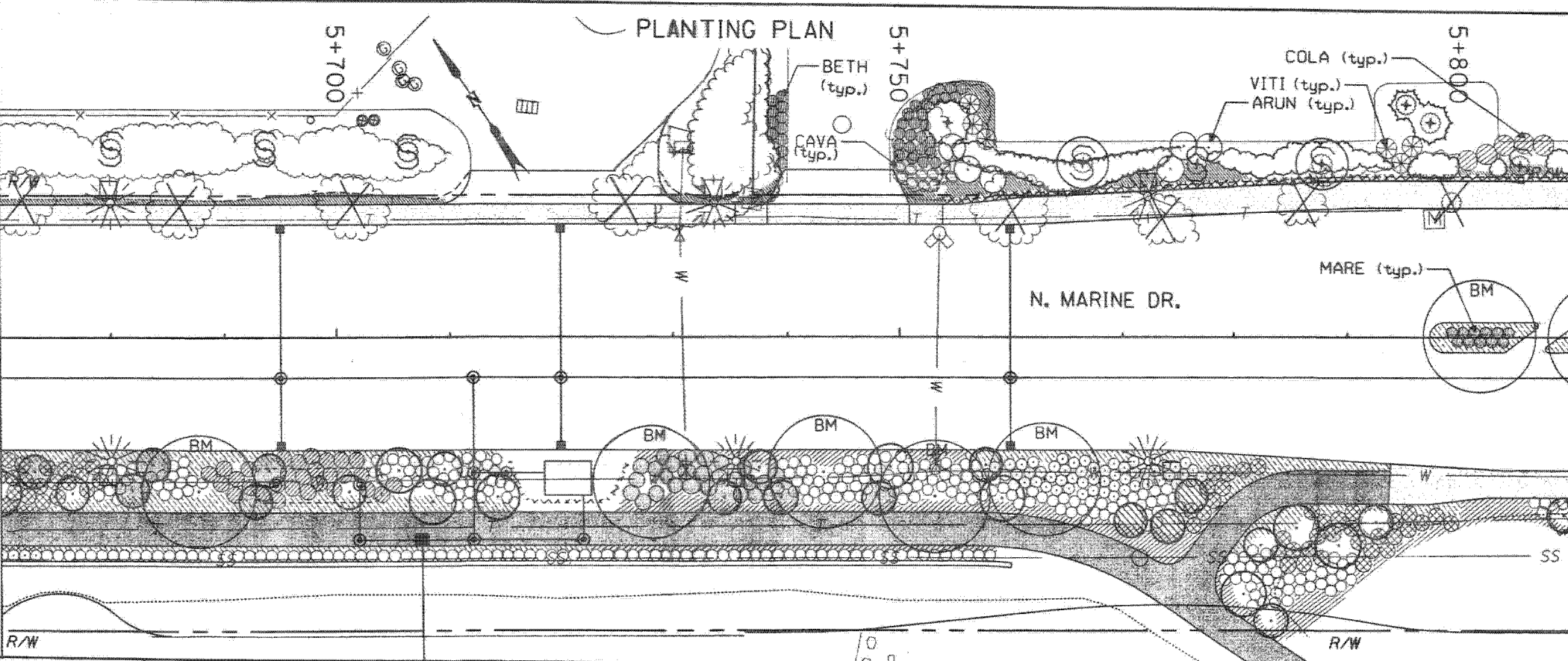
E-ZONE PLANTING KEY

- CREeping SNOWBERRY
- KINNIKINNICK
- STRAWBERRY
- TALL OREGON-GRAPE
- BALDHIP ROSE
- MOCK ORANGE
- OCEAN SPRAY
- HAIRY MANZANITA
- RED-FLOWERING CURRANT
- CASCARA
- MADROSE
- HAZELNUT
- SERVICEBERRY
- GARRY OAK

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN



PLANTING PLAN
MATCH LINE STA. 5+810 SEE SHEET 2N-27



PLANTING PLAN
MATCH LINE STA. 5+670 SEE SHEET 2N-25

28-FEB-2001 12:12:16

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CONSTRUCTED BY		DESIGNED BY		DATE APPROVED	
PROJECT COMPLETED		LH/GK			
MAP CORRECTED BY		DRAWN BY		PROGRAM MGR.	
DATA ENTERED ON 1/4" SEC. MAP BY		WG/GK		CONST. MGR.	
DATA ENTERED ON DIST. MAP BY		BBB/BS		1/4" SECTION	
REVISION		APPD.		FINAL MAP DATA	



APPROVALS:
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9693
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON
PORTLAND
OFFICE OF TRANSPORTATION
CHARLIE HALES COMMISSIONER
BRANT WILLIAMS, P.E. CITY ENGINEER

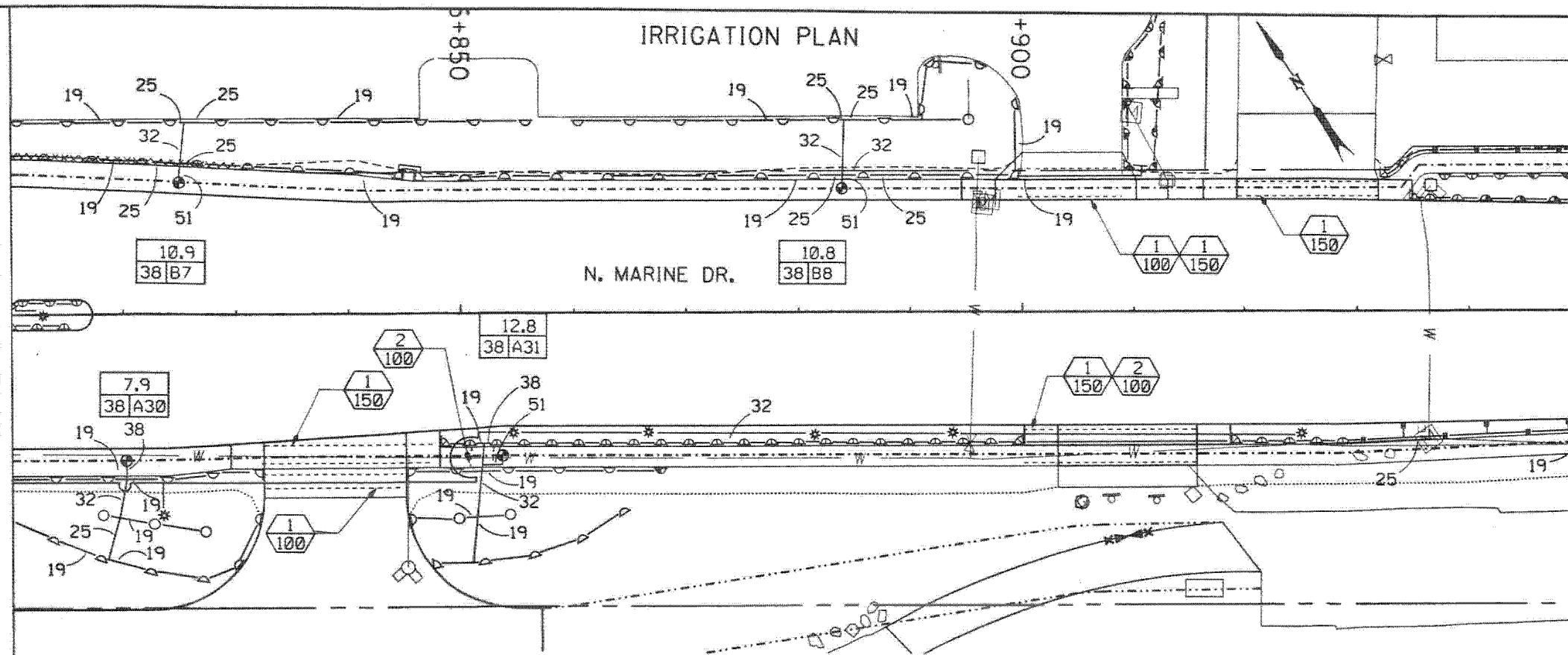
REGISTERED
NO. 168
J. WALKER-MACY
LANDSCAPE ARCHITECT

NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+670 TO STA. 5+810
MULTNOMAH COUNTY

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 OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-332-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 246-6699 (in local Portland area) or 1-800-332-2344.

SHEET NO.
2N-26

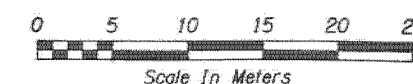
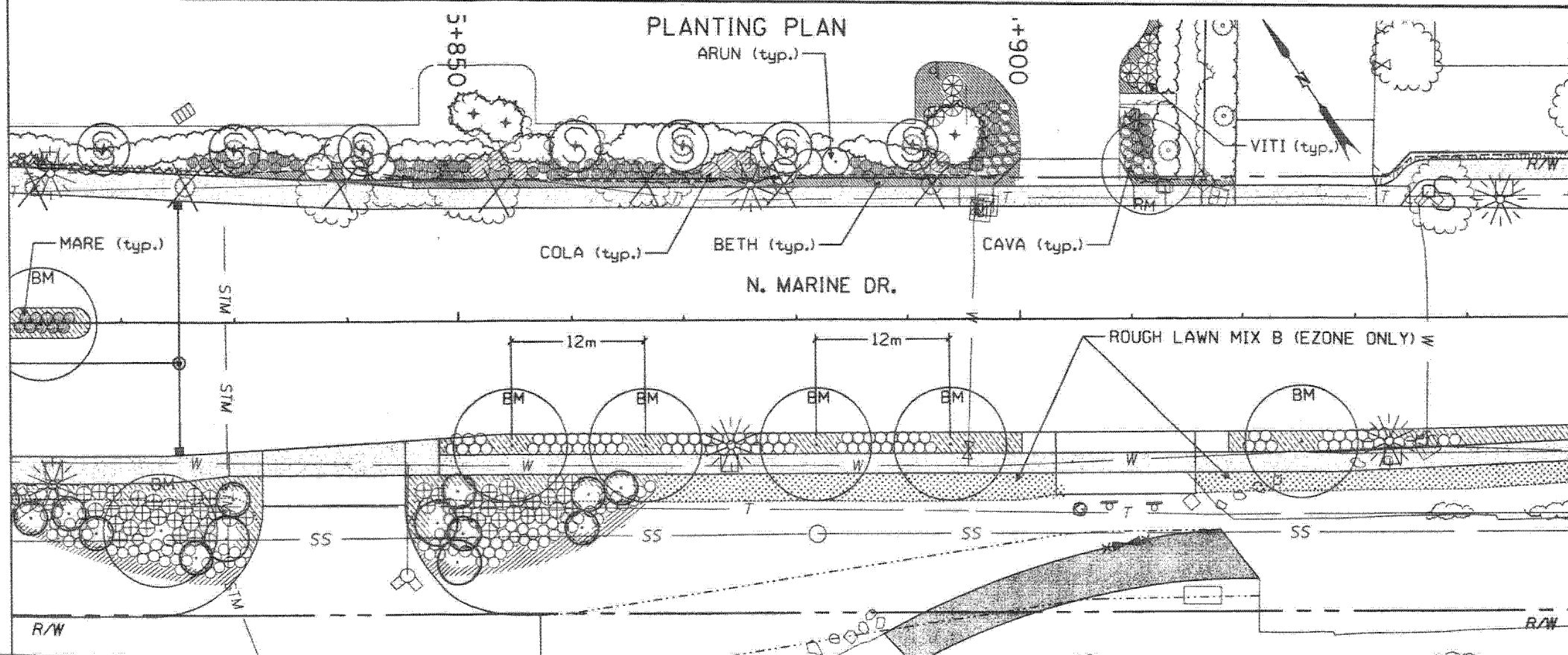
WALKER-MACY

REFER TO SHEET 2N-29 FOR
IRRIGATION SCHEDULE AND
NOTES.IRRIGATION PLAN
MATCH LINE STA. 5+950 SEE SHEET 2N-27IRRIGATION PLAN
MATCH LINE STA. 5+810 SEE SHEET 2N-26REFER TO SHEET 2N-30, GENERAL PLANTING NOTES FOR
LAYOUT INFORMATION. REFER TO SHEET 2N-31, GENERAL
PLANTING KEY FOR GROUND COVER AND PLANTING KEY
OUTSIDE E-ZONE PLANTING.

E-ZONE PLANTING KEY

- | | | | |
|--|-----------------------|--|--------------|
| | CREeping SNOWBERRY | | CASCARA |
| | KINKINNICK | | MADRONE |
| | STRAWBERRY | | HAZELNUT |
| | TALL OREGON-GRAPE | | SERVICEBERRY |
| | BALDIP ROSE | | GARRY OAK |
| | MOCK ORANGE | | |
| | OCEAN SPRAY | | |
| | HAIRY MANZANITA | | |
| | RED-FLOWERING CURRANT | | |

ZONING COMPLIANCE PAGE - Case File #LUR 99-00929 EN

PLANTING PLAN
MATCH LINE STA. 5+950 SEE SHEET 2N-27PLANTING PLAN
MATCH LINE STA. 5+810 SEE SHEET 2N-26

28-FEB-2001 12:12:27

NDW:137633:1376331s27.dgn

NO.		DATE	DESCRIPTION	APPD.
			REVISION	
			FINAL MAP DATA	

CONSTRUCTED BY	DESIGNED BY	DATE APPROVED
PROJECT COMPLETED	LH/GK	
MAP CORRECTED BY	DRAWN BY	PROGRAM MGR.
DATA ENTERED ON 1/4 SEC. MAP BY	WC/GK	
CHECKED BY	CHECKED BY	CONST. MGR.
DATA ENTERED ON DIST. MAP BY	BBB/BS	
	DESIGN MGR.	1/4 SECTION



APPROVALS:

L. David Hill
PRINCIPAL ENGINEER REG. PROF. ENGR. NO. 9663

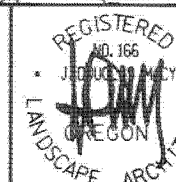
Brant Williams
CITY ENGINEER REG. PROF. ENGR. NO. 14348

CITY OF PORTLAND, OREGON

PORTLAND
OFFICE OF TRANSPORTATION

CHARLIE HALES
COMMISSIONER

BRANT WILLIAMS, P.E.
CITY ENGINEER



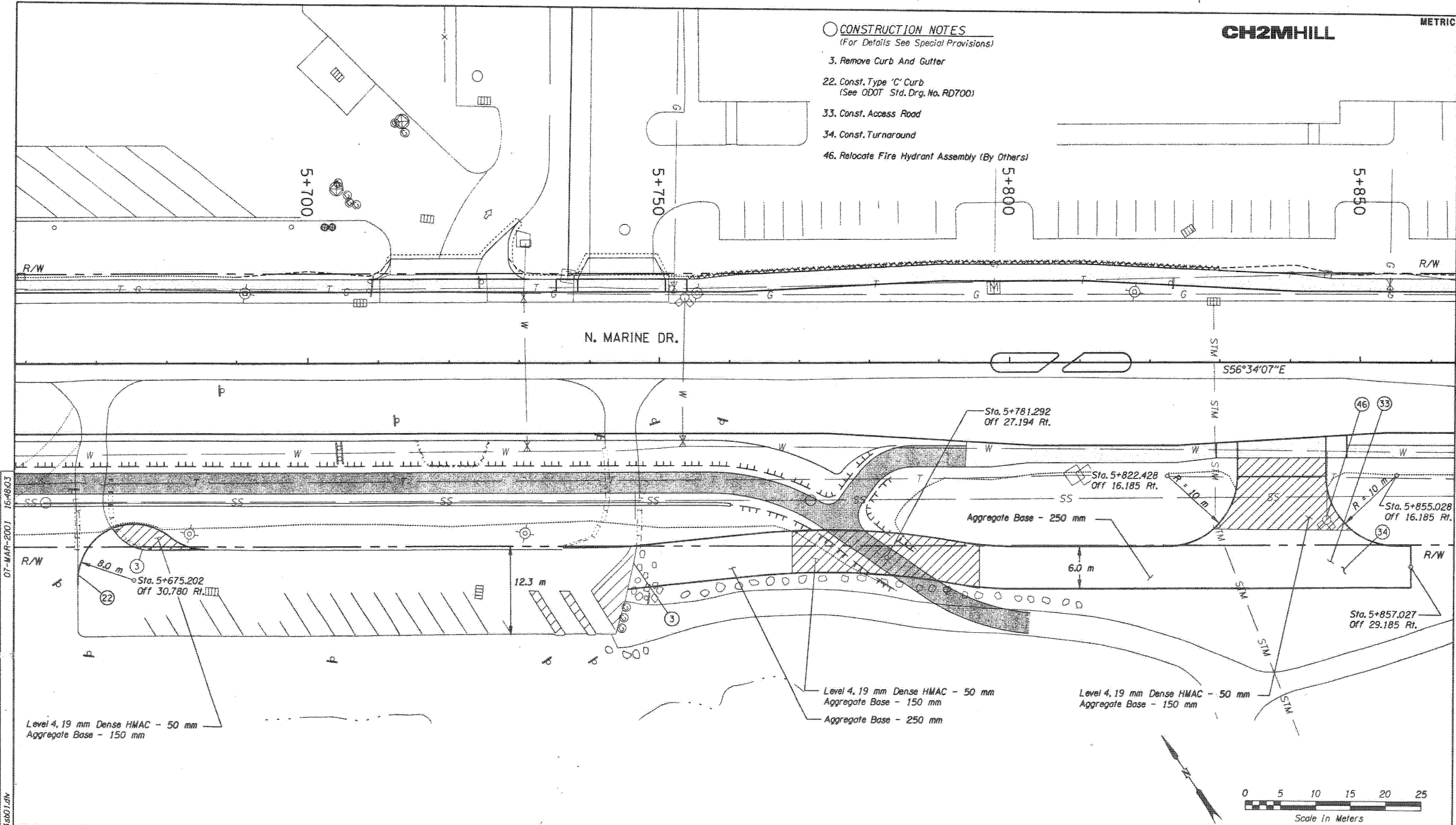
NORTH MARINE DRIVE EXTENSION - PHASE 2
IRRIGATION AND PLANTING PLAN
STA. 5+810 TO STA. 5+950
MULTNOMAH COUNTY

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 OAR 952-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-252-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 1-800-252-1987. In local Portland areas or 1-800-332-2344.

SHEET
NO.
2N-27

CONSTRUCTION NOTES
(For Details See Special Provisions)

- 3. Remove Curb And Gutter
- 22. Const. Type 'C' Curb
(See ODOT Std. Drg. No. RD700)
- 33. Const. Access Road
- 34. Const. Turnaround
- 46. Relocate Fire Hydrant Assembly (By Others)



07-MAR-2001 16:48:03

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REVISION		FINAL MAP DATA	
NO.	DATE	DESCRIPTION	APPD.



APPROVALS:
Principal Engineer: *G. David Hill*
City Engineer: *Brant Williams*
REG. PROF. ENGR. NO. 9663
REG. PROF. ENGR. NO. 14349

CITY OF PORTLAND, OREGON
PORTLAND
OFFICE OF TRANSPORTATION
CHARLIE MALES
BRANT WILLIAMS, P.E.
COMMISSIONER
CITY ENGINEER



NORTH MARINE DRIVE EXTENSION - PHASE 2
SMITH AND BYBEE LAKE
PARKING LOT MODIFICATIONS
MULTNOMAH COUNTY
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. These rules are set forth in OAR 842-001-0010 through OAR 842-001-0090. You may obtain copies of the rules by calling the Center. The Center business number is 1-800-552-1987. Excavators are required to notify the Center at least 2 business days, but not more than 10 business days, before commencing an excavation. To comply, call 248-6838 (in local Portland area) or 1-800-552-2344.
SHEET NO. 29A