CITY OF SHORELINE RICHMOND BEACH RD RECHANNELIZATION Bid Number: 8969

Date: December 17

17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

SHORELINE CITY COUNCIL

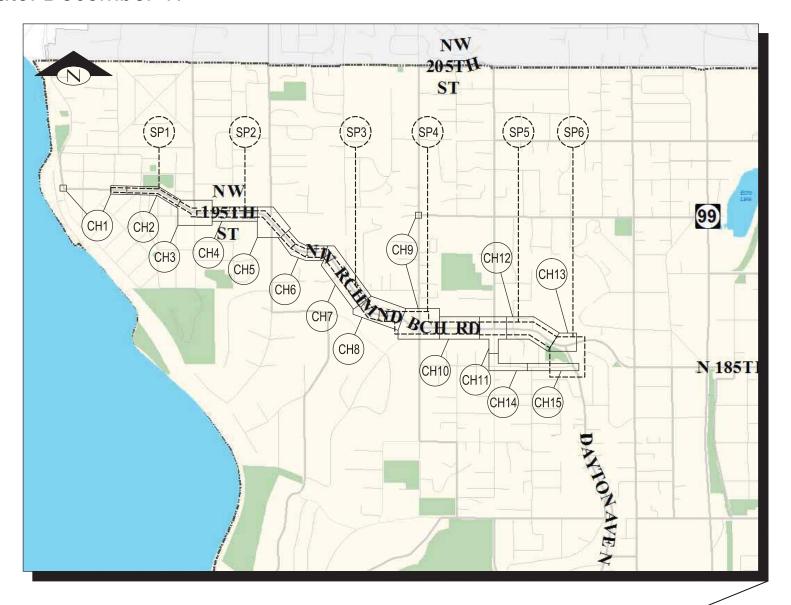
CRIS ROBERTS MAYOR

SHARI WINSTEAD DEPUTY MAYOR

WILL HALL DORIS MCCONNELL KEITH MCGLASHAN JESSE SALOMON KEITH SCULLY

DIRECTOR OF PUBLIC WORKS

PROJECT MANAGER JOHN RICARDI, P.E.



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RVICES	
ELECTRICAL:	SEATTLE CITY LIGHT (206) 684-3000
NATURAL GAS:	PUGET SOUND ENERGY (888) 225-5773
TELEPHONE:	CENTURY LINK (800) 244-1111 or FRONTIER
	(877) 462-8188
CABLE:	COMCAST (877) 824-2288 or
	FRONTIER (877) 462-8188
WASTEWATER (SEWER):	RONALD WASTEWATER DISTRICT (206) 546-2494
WATER:	NORTH CITY WATER DISTRICT (206) 362-8100 or SEATTLE PUBLIC UTILITIES
	(206) 684-3000
STATION MASTER/ POST OFFICE:	17233 15th Ave NE (800) 275-8777
CALL BEFORE YOU DIG	(800) 424-5555



FOR NOT RICHMOND BEACH F RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

CALL TWO BUSINESS DAYS BEFORE YOU DIG

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

BASIS OF BEARING: NAD 83/91 Project No. 8969

CV1 **COVER**

1 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION	
Inca Tukake	12/27/17
TRICIA JUHNKE, P.E., CITY ENGINEER	DATE

VICINITY MAP SHORELINE, WA 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. ALL WORK SHALL COMPLY WITH, IN ORDER OF PRECEDENCE:

- * THE CITY OF SHORELINE "ENGINEERING DEVELOPMENT MANUAL", 2014 EDITION (SHORELINE STANDARDS AND SHORELINE ENGINEERING DETAILS).
- * WSDOT/APWA "2016 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" (WSDOT/APWA)
- 3, THE CONTRACTOR SHALL VERIFY ALL EXISTING DATA SHOWN IN THESE DOCUMENTS AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED FEATURES PRIOR TO
- 4. ALL COMPACTION METHODS, MATERIALS AND PERFORMANCE CRITERIA SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
- 5. ALL EXISTING AND PROPOSED CATCH BASINS DOWNSTREAM OF DISTURBED AREA SHALL BE PROTECTED DURING CONSTRUCTION PER THE WSDOT STD PLAN I-7.
- 6, STORM DRAINAGE (SD) PIPE SHALL BE CORRUGATED POLYETHYLENE PIPE WITH SMOOTH INTERIOR WALLS UNLESS NOTED OTHERWISE.
- 7. ALL PIPE LENGTHS, INVERT ELEVATIONS AND DRAINAGE STRUCTURE LOCATIONS ARE MEASURED AT THE CENTER OF THE DRAINAGE STRUCURE UNLESS NOTED OTHERWISE,
- 8. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND AVOID OTHER UTILITIES NOT SHOWN ON THE PLANS. EXISTING UTILITIES SHALL BE PROTECTED, SUPPORTED, OR MAINTAINED DURING CONSTRUCTION.
- 9. CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 10. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SITE NOTES (SN)

- SN.1. THE CONTRACTOR SHALL HAVE ANY REQUIRED PERMIT(S) AND CONDITIONS AND THE APPROVED PLANS AVAILABLE AT THE JOB SITE.
- SN.2. ALL WORK SHALL CONFORM TO THESE APPROVED PLANS AND SPECIFICATIONS, THE SHORELINE MUNICIPAL CODE, THE ENGINEERING DEVELOPMENT GUIDE, AND FEDERAL AND STATE
- SN.3. ALL INSTALLATION METHODS AND MATERIALS SHALL MEET THE WSDOT/APWA STANDARD
- SN.4. ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE ENGINEER. SN.5. SEE SPECIFICATIONS SECTION 1-08.0(2) FOR HOURS OF WORK.
- SN.7. LOCATIONS FOR EXISTING UTILITIES ARE APPROXIMATE.
- SN.8. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY AND DAMAGE FROM CONSTRUCTION OPERATIONS TO STRUCTURES AND OTHER IMPROVEMENTS.
- SN.9. SURVEYING FOR PUBLIC FACILITIES SHALL BE PERFORMED UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 1988. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/91 SURVEY CONTROL AND TO ANY TWO CITY OF SHORELINE HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE SURVEYOR SHALL PROVIDE CONVERSION CALCULATIONS TO NGVD 1929.
- SN.10. REPLACE OR RELOCATE ALL SIGNS, STRIPING, POLES AND OTHER ITEMS IN THE RIGHT-OF-WAY THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION.
- SN.11. RETAIN, REPLACE OR RESTORE ALL VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS DISTURBED DURING CONTRACTION.
- SN.12. INTERRUPTION OF NORMAL TRAFFIC FLOW SHALL REQUIRE TRAFFIC CONTROL. REFER TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WSDOT STANDARD SPECIFICATIONS. TRAFFIC CONTROL IS REQUIRED FOR ALL TRANSVERSE CUTS IN ROADWAY. FOR INFORMATION CONTACT THE CITY OF SHORELINE RIGHT-OF-WAY INSPECTOR.
- SN.13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY REQUIRES A RIGHT-OF-WAY USE PERMIT, TO BE REVIEWED PRIOR TO CONSTRUCTION AND INSPECTED DURING CONSTRUCTION.
- SN.14. THE CONTRACTOR SHALL RESTORE TO CURRENT STANDARDS CRITICAL AREAS, AND PUBLIC AND PRIVATE PROPERTY DAMAGED BY CONTRACTOR'S OPERATIONS.
- SN.15. AT ALL TIMES MAINTAIN ACCESS TO BUILDINGS FOR FIRE, PEDESTRIAN AND VEHICULAR ACCESS. SN.16. BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, ESTABLISH CLEARING LIMITS, INSTALL CONSTRUCTION ENTRANCE, AND INSTALL BEST MANAGEMENT PRACTICES.
- SN17. ALL UTILITY TRENCHES AND ROADWAY SUBGRADES WITHIN CITY RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH KING COUNTY ROAD STANDARDS. 100% CRUSHED ROCK OR CONTROLLED DENSITH FILL (CDF)

EROSION AND SEDIMENTATION CONTROL REQUIREMENTS (TESC

- TESC.1. THE IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR ON A DAILY BASIS AND UNTIL ALL CONSTRUCTION IS APPROVED.
- TESC.2. AT ALL TIMES PROTECT CRITICAL AREAS AND THEIR BUFFERS, ADJACENT PRIVATE PROPERTIES AND PUBLIC PROPERTY AND SURVEY MONUMENTS.
- TESC.3. EROSION SEDIMENTATION CONTROL (ESC) FACILITIES MUST BE CONSTRUCTED PRIOR TO AND IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER OR AIRBORNE SEDIMENT DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER OR AIR QUALITY STANDARDS DURING THE CONSTRUCTION PERIOD. THESE ESC FACILITIES SHALL BE UPGRADED TO INCLUDE ADDITIONAL SUMPS, DITCHES, FENCES, ETC. AS NEEDED FOR UNEXPECTED STORM EVENTS.
- TESC.4 STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT ADDITIONAL MEASURES MAY BE REQUIRED BY THE CITY OF SHORELINE TO ENSURE THAT PAVED AREAS ARE KEPT CLEAN FOR THE PROJECT DURATION.
- TESC.5. ANY AREA STRIPPED OF VEGETATION (INCLUDING ROADWAY EMBANKMENTS), WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 2 DAYS, SHALL BE IMMEDIATELY STABILIZED WITH APPROVED ESC METHODS AS FOLLOWS.
 - FROM MAY 1 THROUGH SEPTEMBER 30, INSTALL TESC COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR SEVEN DAYS OR MORE.
 - FROM OCTOBER 1 THROUGH APRIL 30:
 - A) INSTALL TESC COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR TWO DAYS OR MORE.
- B) PROTECT STOCKPILES AND STEEP CUT/FILL SLOPES IF UNWORKED FOR MORE THAN 12 HOURS C) STOCKPILE ON SITE ENOUGH COVER MATERIALS TO COVER ALL DISTURBED AREAS. ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN 15 DAYS.
- TESC.6. ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- TESC.7. BY OCTOBER 8, SEED ALL AREAS THAT WILL REMAIN UNWORKED FROM OCTOBER 1 THROUGH APRIL 30. MULCH ALL SEEDED AREAS.
- TESC.8. AT NO TIME SHALL MORE THEN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS & CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO A
- TESC.9, WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST-GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G., ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE), WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.
- TESC.10. FILTER FABRIC FENCING SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 24 INCHES OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.
- TESC.11. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE, THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF SIX FEET APART AND DRIVEN SECURELY INTO THE GROUND MINIMUM OF 30 INCHES, A TRENCH SHALL BE EXCAVATED UPGRADIENT AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED
- TESC.12. WHEN STANDARD STRENGTH FILTER FABRIC IS USED. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPGRADIENT SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR INCHES, THE STANDARD STRENGTH FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING
- TESC.13, WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTES APPLY, FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPGRADIENT SLOPE AREA HAS BEEN PERMANENTLY STABILIZED. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- TESC.14. THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHOWN ON THE TESC ARE MINIMUM REQUIREMENTS. FIELD ADJUSTMENTS SHALL BE MADE TO ENSURE THE TESC PERFORMS IN ACCORDANCE WITH THE 2012 DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II.
- TESC.15. BEFORE ANY GROUND DISTURBANCE OCCURS ALL DOWNSTREAM BEST MANAGEMENT PRACTICES MUST BE CONSTRUCTED AND OPERATIONAL.
- TESC.16. BEST MANAGEMENT PRACTICES SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETED AND PERMANENT STABILIZATIONS IS ESTABLISHED AND APPROVED BY THE CITY.
- TESC.17. INSPECT AND MAINTAIN BEST MANAGEMENT PRACTICES DAILY IN ACCORDANCE WITH THE 2012 DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II.
- TESC.18. FAILURE TO MAINTAIN TESC MEASURES IN ACCORDANCE WITH ADOPTED STANDARDS MAY RESULT IN THE WORK BEING PERFORMED AT THE CITY'S DIRECTION AND THE COSTS DEDUCTED FROM MONIES OWED TO CONTRACTOR.
- TESC.19. DURING THE LIFE OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION AND PROMPTLY REPAIR, RESTORE OR REPLACE ALL GRADE SURFACES; WALLS, DRAINS, DAMS. STRUCTURES, VEGETATION, TESC MEASURES, AND OTHER PROTECTIVE DEVICES IN ACCORDANCE

EROSION AND SEDIMENTATION CONTROL REQUIREMENTS (TESC) conf

- TESC.20. THE CONTRACTOR SHALL MONITOR DOWNSTREAM DRAINAGE FEATURES, AND, WITH THE CITY'S APPROVAL, SHALL REMOVE ALL SEDIMENT DEPOSITION RESULTING FORM THE PROJECT-RELATED WORK
- TESC.21. ALL WORK SHALL BE PERFORMED PER APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN A SET OF APPROVED PLANS AND SPECIFICATIONS AND ASSOCIATED
- TESC.22. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL
- TESC.23. BEFORE REMOVING ANY TEMPORARY MEASURES. INSTALL AND ESTABLISH THE UPSTREAM PERMANENT MEASURES.

TRAFFIC CONTROL CONDITIONS (TC)

- TC.1. INTERIM TRAFFIC CONTROL: THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIM TRAFFIC CONTROL DURING CONSTRUCTION ON OR ALONG TRAVELED CITY ROADS.
- TC.2. WHEN ROAD OR DRAINAGE WORK IS TO BE PERFORMED ON CITY ROADS THAT ARE OPEN TO TRAFFIC, THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN TRAFFIC CONTROL PLAN FOR APPROVAL BY THE REVIEWING AGENCY 10 DAYS PRIOR TO BEGINNING THE WORK, TRAFFIC CONTROL SHALL FOLLOW THE GUIDELINES OF SECTION 1-07.23 OF THE WSDOT/APWA STANDARD
- TC.3. ALL BARRICADES, SIGNS AND FLAGGING SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD, FOR MORE SPECIFIC REQUIREMENTS FOR BARRICADES, SEE SECTION 5.7 AND DRAWING NO. 5-003 OF KING COUNTY ROAD STANDARDS. SIGNS MUST BE LEGIBLE AND VISIBLE AND SHALL BE REMOVED AT THE END OF EACH WORK DAY IF NOT APPLICABLE AFTER CONSTRUCTION HOURS.
- TC.4. TEMPORARY ROAD CLOSURES AND DETOURS: WHEN TEMPORARY ROAD CLOSURES CANNOT BE AVOIDED THE DEVELOPER/CONTRACTOR SHALL POST "TO BE CLOSED" SIGNS A MINIMUM OF FIVE DAYS PRIOR TO THE CLOSING, THE TYPES AND LOCATIONS OF THE SIGNS SHALL BE SHOWN ON A DETOUR PLAN.
- TC.5. A DETOUR PLAN MUST BE PREPARED AND SUBMITTED TO THE CITY OF SHORELINE PLANNING AND DEVELOPMENT SERVICES DEPARTMENT AT LEAST 10 WORKING DAYS IN ADVANCE, AND APPROVED PRIOR TO CLOSING ANY CITY ROAD, IN ADDITION, THE DEVELOPER/CONTRACTOR MUST NOTIFY. IN WRITING, LOCAL FIRE, SCHOOL, LAW ENFORCEMENT AUTHORITIES, METRO TRANSIT, AND ANY OTHER AFFECTED PERSONS AS DIRECTED BY THE ENGINEER AT LEAST FIVE DAYS PRIOR TO CLOSING.
- TC.6, HAUL ROUTES: IF THE CONSTRUCTION OF A PROPOSED DEVELOPMENT IS DETERMINED BY THE REVIEWING AGENCY TO REQUIRE SPECIAL ROUTING OF LARGE TRUCKS OR HEAVY CONSTRUCTION EQUIPMENT TO PREVENT IMPACTS TO SURROUNDING ROADS, RESIDENCES OR BUSINESSES, THE DEVELOPER/CONTRACTOR SHALL BE REQUIRED TO DEVELOP AND USE AN APPROVED HAUL ROUTE.
- TC.7. WHEN REQUIRED, THE HAUL ROUTE PLAN MUST BE PREPARED AND SUBMITTED TO THE REVIEWING AGENCY AND APPROVED PRIOR TO BEGINNING CONSTRUCTION, THE HAUL ROUTE PLAN SHALL ADDRESS ROUTING, HOURS OF OPERATION, SIGNAGE AND FLAGGING, AND DAILY
- TC.8, IF THE CONTRACTOR'S TRAFFIC FAILS TO USE THE DESIGNATED HAUL ROUTE, THE REVIEWING AGENCY MAY PROHIBIT OR LIMIT FURTHER WORK ON THE DEVELOPMENT UNTIL SUCH TIME AS THE REQUIREMENTS OF THE HAUL ROUTE ARE COMPLIED WITH.
- TC.9. FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION. INTERRUPTION OF NORMAL TRAFFIC FLOW SHALL REQUIRE TRAFFIC CONTROL (SEE #SN.12. FOR DETAILS).
- TC.10. CONTRACTOR SHALL PROTECT EXISTING TRAFFIC CONTROL SIGNS WITHIN THE LIMITS OF







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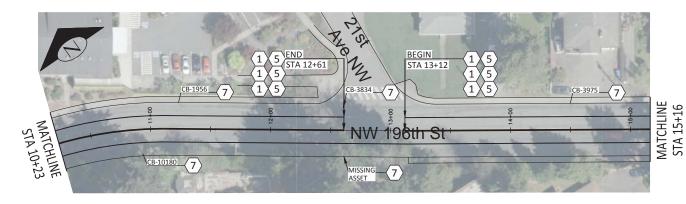
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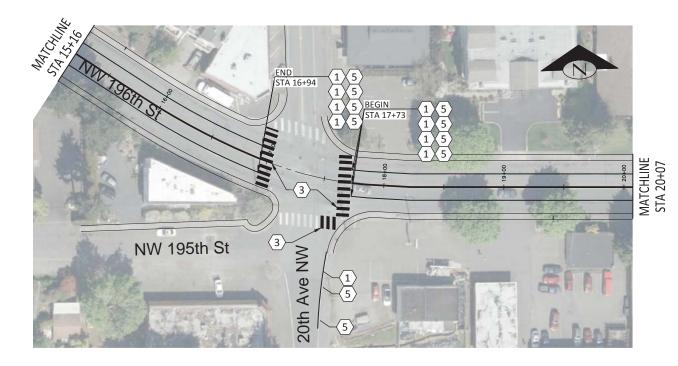
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DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

NT1 NOTES





SITE PREP NOTES:

- ALL EXISTING CHANELLIZATION THAT CONFLICTS WITH THE PROPOSED CHANNELIZATION TO BE REMOVED COMPLETELY BY HYDROBLASTING.
- 2. ANY EXISTING SLOTTED DRAIN GRATES TO BE REPLACED WITH BIKE FRIENDLY VANED GRATES
- 3. NOTIFY PROJECT MANAGER, ALISA ARMENT AT (206) 801-2473, AT LEAST 5 BUSINESS DAYS PRIOR TO ANY REMOVALS.
- 4. SEE CHANNELIZATION SHEETS FOR SIGN REMOVALS

LEGEND

REMOVE PAINT LINE AND RAISED PAVEMENT MARKERS

REMOVE PLASTIC LINE

REMOVE PLASTIC CROSSWALK

REMOVE FLASHING BEACON

REMOVE TRAFFIC CURB

EXISTING BUS FLAG

■ EXISTING SIGN







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FOR NOT

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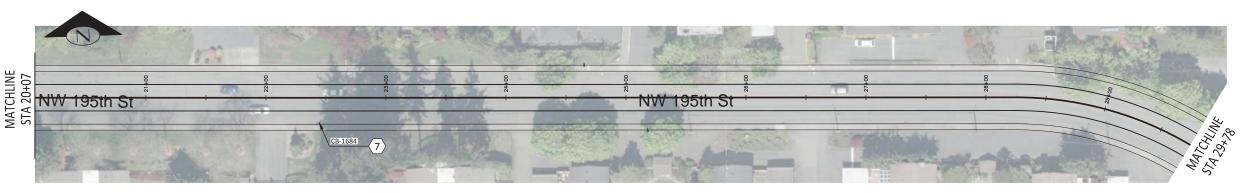
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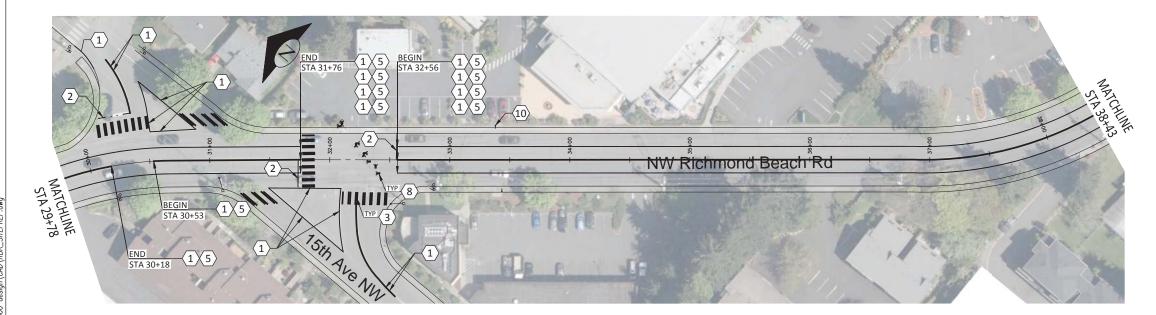
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SP SITE Sheet 3 Of 29

DATUM: NAVD 88

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1	REMOVING PAINT LINE	(8)	REMOVE FLASHING BEACON
2	REMOVING PLASTIC LINE	9	REMOVE TRAFFIC CURB
(3)	REMOVING PLASTIC CROSSWALK LINE	(10)	RESERVED
4	REMOVING PLASTIC TRAFFIC MARKING	(11)	RESERVED
(5)	REMOVING RAISED PAVEMENT MARKER	(12)	RESERVED
(6)	RESERVED	(13)	RESERVED
7	UTILITY CASTING, TYPE 726, VANED GRATE	(14)	RESERVED

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- ← EXISTING BUS FLAG



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Sheet 4 Of 29

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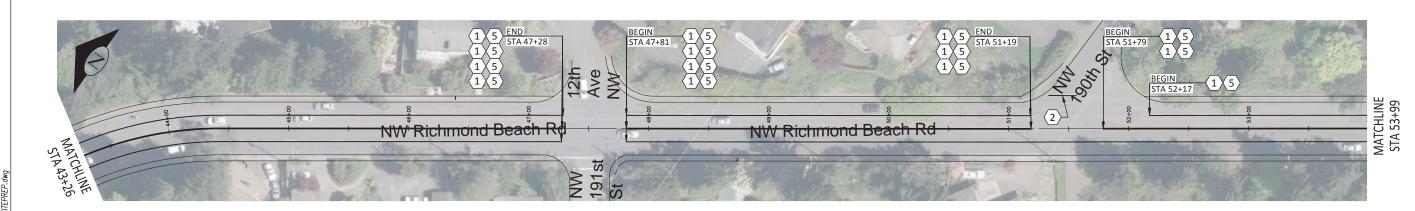
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SP2 SITE

1	REMOVING PAINT LINE	(8)	REMOVE FLASHING BEACON
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4	REMOVING PLASTIC TRAFFIC MARKING	(11)	RESERVED
(5)	REMOVING RAISED PAVEMENT MARKER	(12)	RESERVED
6	RESERVED	(13)	RESERVED
7	UTILITY CASTING, TYPE 726, VANED GRATE	(14)	RESERVED





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- REMOVE TRAFFIC CURB
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SP 3 SITE Sheet 5 Of 29

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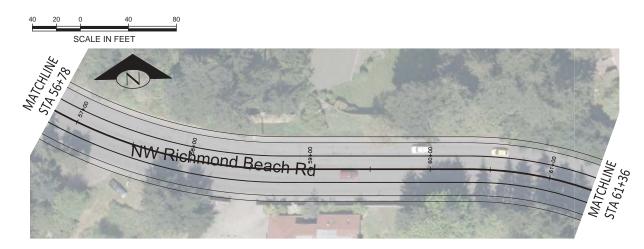
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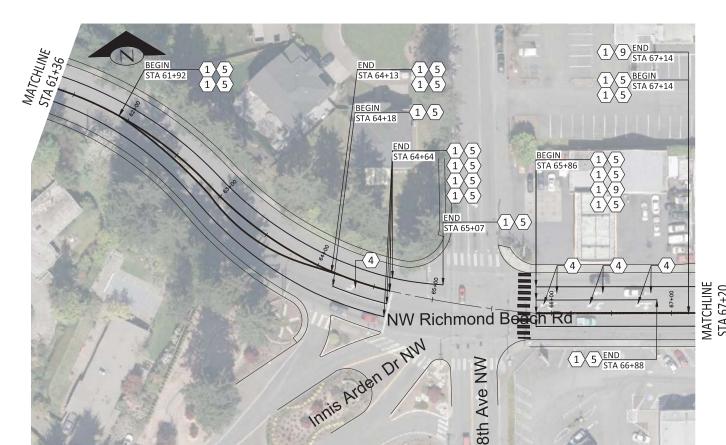
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BEGIN STA 67+35

MATCHLINE STA 67+20



NW Richmond Beach Rd

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- ■ EXISTING SIGN



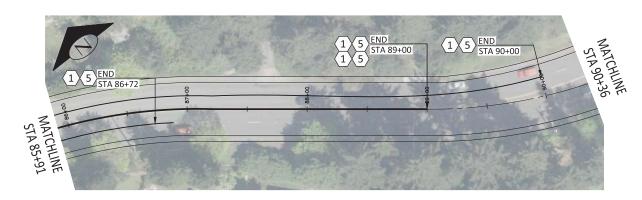
Sheet 6 Of 29

SP 4

SITE

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X 34", IT IS A REDUCTION



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(5)	REMOVING RAISED PAVEMENT MARKER	(12)	RESERVED
(6)	RESERVED	(13)	RESERVED
7	UTILITY CASTING, TYPE 726, VANED GRATE	(14)	RESERVED

SITE PREP NOTES:

- 1. ALL EXISTING CHANELLIZATION THAT CONFLICTS WITH THE PROPOSED CHANNELIZATION TO BE REMOVED COMPLETELY BY HYDROBLASTING.
- 2. ANY EXISTING SLOTTED DRAIN GRATES TO BE REPLACED WITH BIKE FRIENDLY VANED GRATES
- 3. NOTIFY PROJECT MANAGER, ALISA ARMENT AT (206) 801-2473, AT LEAST 5 BUSINESS DAYS PRIOR TO ANY REMOVALS.
- 4. SEE CHANNELIZATION SHEETS FOR SIGN REMOVALS

LEGEND

REMOVE PAINT LINE AND RAISED PAVEMENT MARKERS

- · · - REMOVE PLASTIC LINE

REMOVE PLASTIC CROSSWALK

■ REMOVE FLASHING BEACON

REMOVE TRAFFIC CURB

← EXISTING BUS FLAG



BASIS OF BEARING: NAD 83/91 Project No. 8969 DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

SITE Sheet 7 Of 29

SP 5

BID DOCUMENTS: NOT FOR CONSTRUCTION



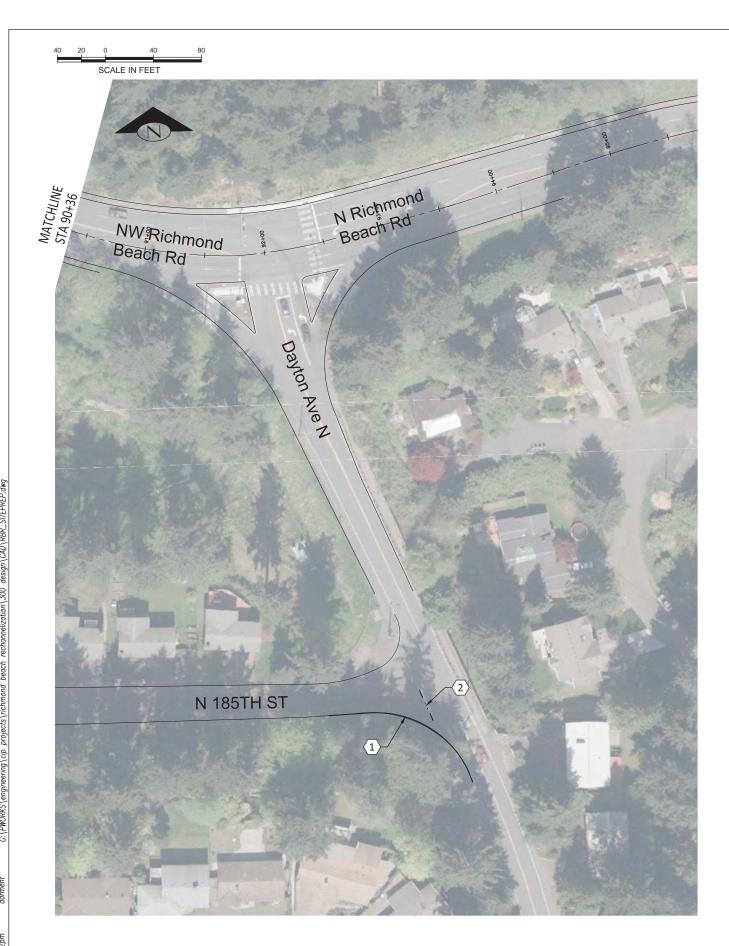


17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR NOT BEACH

RICHMOND BEACH F RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION



00113111001	ION CALLOUIS
1) REMOVING PAINT LINE	8 REMOVE FLASHING BEACON
2 REMOVING PLASTIC LINE	9 REMOVE TRAFFIC CURB
3 REMOVING PLASTIC CROSSWALK LINE	10 RESERVED
4 REMOVING PLASTIC TRAFFIC MARKING	(11) RESERVED
5 REMOVING RAISED PAVEMENT MARKER	12) RESERVED
6 RESERVED	(13) RESERVED
7 UTILITY CASTING, TYPE 726, VANED GRATE	(14) RESERVED

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REMOVE PLASTIC CROSSWALK

REMOVE TRAFFIC CURB

← EXISTING BUS FLAG



BASIS OF BEARING: NAD 83/91 Project No. 8969

CALL TWO BUSINESS

SP A1

Sheet 8 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION



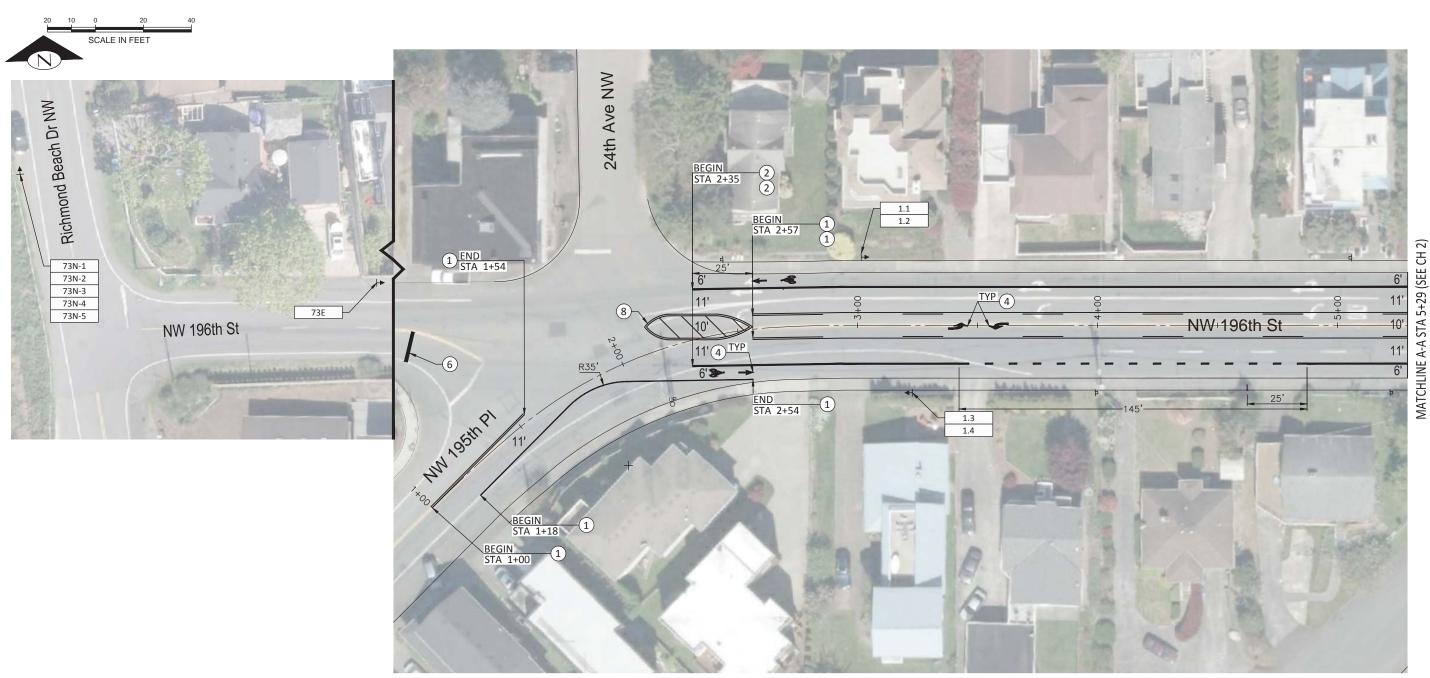


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IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

SITE



CHANNELIZATION CALLOLITS

	CHANNELIZATION CALLOUTS
1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPI
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN F-10.64-03

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
X	INSTALL NEW SIGN
$\langle X \rangle$	REMOVE EXISTING SIGN ASSEMBLY
\square	PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

GENERAL NOTES:

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BID DOCUMENTS: NOT FOR CONSTRUCTION

LEGEND

- DOUBLE YELLOW 4" CENTERLINE PER COS STD DWG 401 AND 402
- YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402
- WHITE 4" EDGE LINE PER COS STD DWG 401.
- WHITE 8" WIDE LANE LINE PER COS STD DWG 401, 402, AND 410.
- WHITE 4" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.
- WHITE 8" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.
- PLASTIC BIKE SYMBOL PER COS STD DWG 410 AND DETAIL 1 ON DT1.
- PLASTIC BICYCLE SHARROW PER DETAIL 2 ON DT1, ADDITIVE #1
 - PLASTIC TURN ARROW PER COS STD DWG 401 AND 402.
- PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

- PLASTIC TURN/OBLIQUE TURN ARROW PER COS STD DWG 401, 402, AND DETAIL 5 ON DT1
- PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1
- 16" PLASTIC STOP BAR PER COS STD DWG
- 24" PLASTIC STOP BAR PER COS STD DWG 315 & 316.
- PLASTIC CROSSWALK PER COS STD DWG 315
- PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1
- NEW SIGN.
- EXISTING SIGN.
- PROPOSED BUS FLAG
- EXISTING BUS FLAG
- NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

BASIS OF BEARING: NAD 83/91 Project No. 8969

STRUCTION RICHMOND RECHANNEL BID DOCUM CONSTRUCT

> IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

SHORELINE

17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

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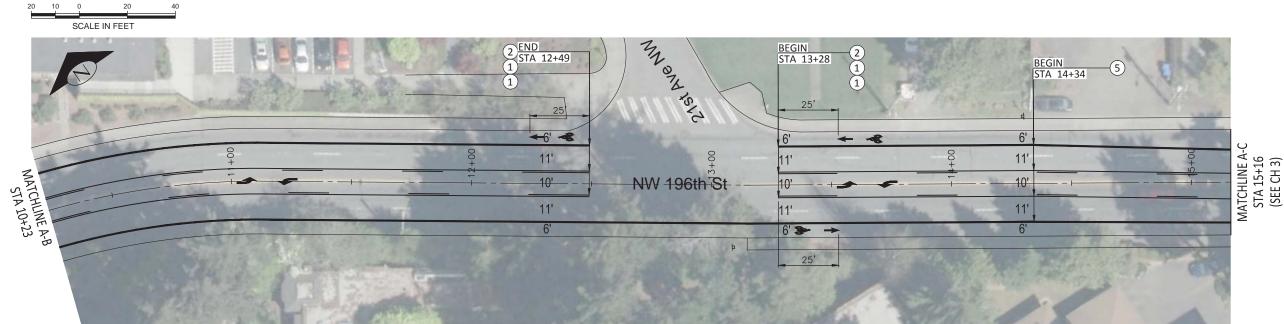
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CH 1 CHAN

Sheet 9 Of 29



CHANNELIZATION CALLOUTS

1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
(9)	DUAL SLOPED CURB PER WSDOT STD PLAN

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
Χ	INSTALL NEW SIGN
	REMOVE EXISTING SIGN ASSEMBLY
X	PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

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LEGEND

DOUB	BLE	YELLO\	N 4"	CENT	TERLINE	PER	
 COS	STD	DWG	401	ΔND	402		



WHITE 4" EDGE LINE PER COS STD DWG 401.

WHITE 8" WIDE LANE LINE PER COS STD DWG 401, 402, AND 410.

WHITE 4" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.

WHITE 8" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.

PLASTIC BIKE SYMBOL PER COS STD DWG 410 AND DETAIL 1 ON DT1.

PLASTIC BICYCLE SHARROW PER DETAIL 2 ON

PLASTIC TURN ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/OBLIQUE TURN ARROW PER COS STD DWG 401, 402, AND DETAIL 5 ON DT1

PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1

16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG 315 & 316.

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



DATUM: NAVD 88

CALL TWO BUSINESS

REDUCTION

CH 2

BID DOCUMENTS: NOT FOR CONSTRUCTION

SHORELINE

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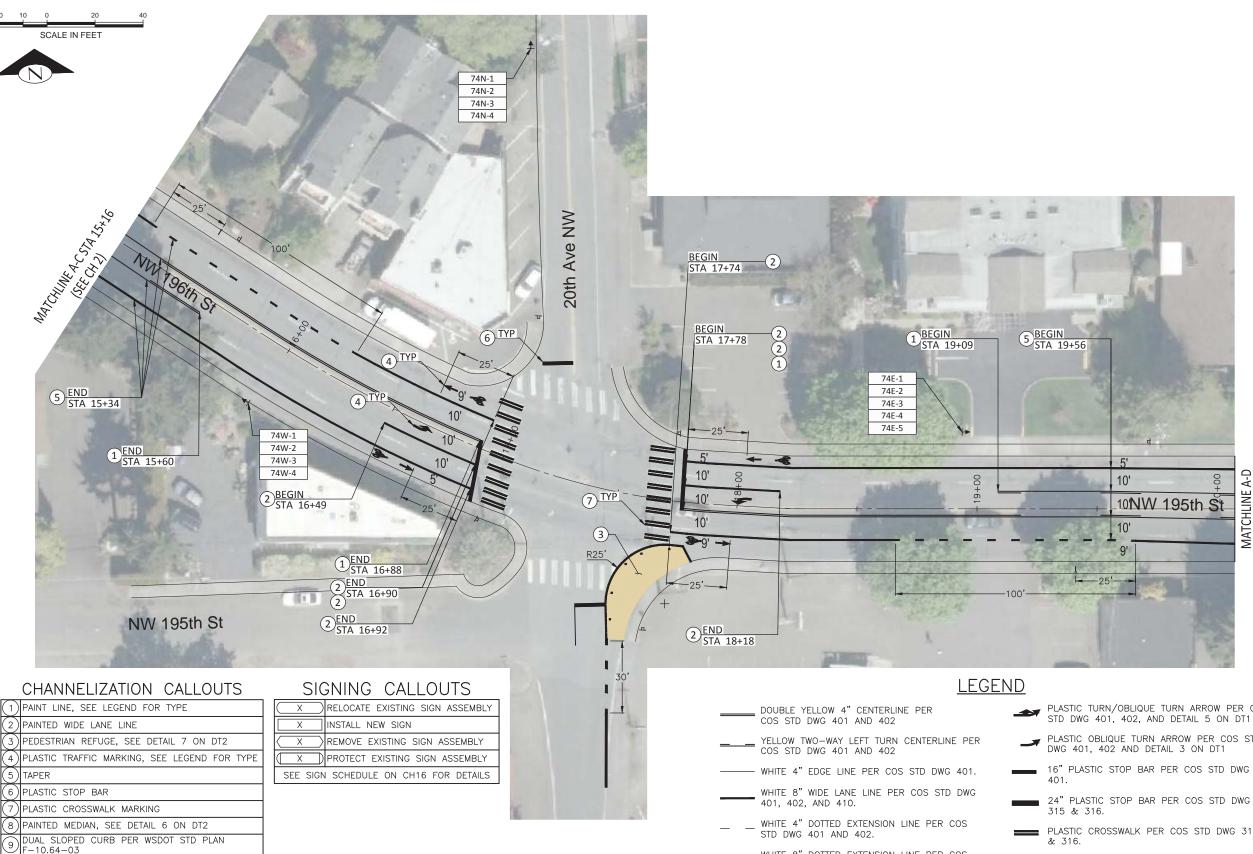
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RICHMOND BEACH RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A

BASIS OF BEARING: NAD 83/91 Project No. 8969

CHAN



STD DWG 401 AND 402.

WHITE 8" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.

PLASTIC BIKE SYMBOL PER COS STD DWG 410 AND DETAIL 1 ON DT1.

PLASTIC BICYCLE SHARROW PER DETAIL 2 ON

PLASTIC TURN ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/OBLIQUE TURN ARROW PER COS

MATCHLINE A-E STA 20+07 (SEE CH 4)

PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1

16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1





17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

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RD NOT NELIZATION CUMENTS: N RICHMOND BEA(RECHANNELIZATI BID DOCUMENTS CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

BASIS OF BEARING: NAD 83/91 Project No. 8969

DATUM: NAVD 88

CALL TWO BUSINESS

CH 3 CHAN

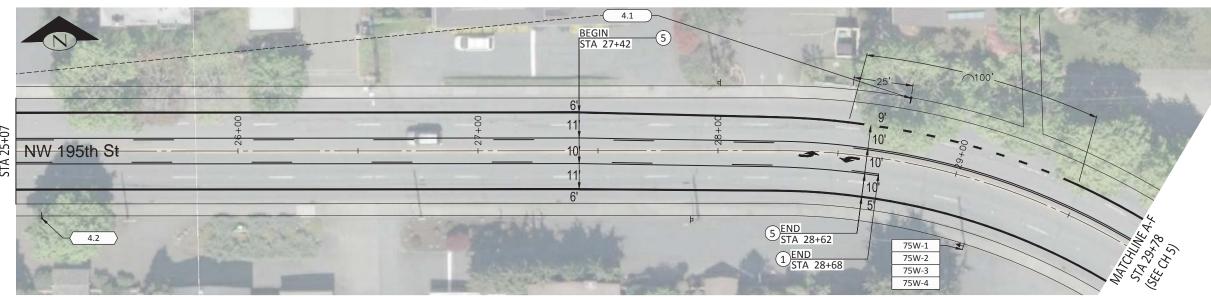
Sheet 11 Of 29

GENERAL NOTES:

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BID DOCUMENTS: NOT FOR CONSTRUCTION





CHANNELIZATION	

	CHANNELIZATION CALLOUTS
\bigcirc	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
\bigcirc	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN F-10.64-03

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
Χ	INSTALL NEW SIGN
X	REMOVE EXISTING SIGN ASSEMBLY
X	PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN	I SCHEDULE ON CH16 FOR DETAILS

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LEGEND

DOUBLE YELLOW 4" CENTERLINE PER COS STD DWG 401 AND 402

YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402

WHITE 4" EDGE LINE PER COS STD DWG 401.

WHITE 8" WIDE LANE LINE PER COS STD DWG 401, 402, AND 410.

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PLASTIC BICYCLE SHARROW PER DETAIL 2 ON

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PLASTIC TURN/OBLIQUE TURN ARROW PER COS STD DWG 401, 402, AND DETAIL 5 ON DT1

PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1

16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



BASIS OF BEARING: NAD 83/91 Project No. 8969

DATUM: NAVD 88

CALL TWO BUSINESS

12 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

SHORELINE 17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

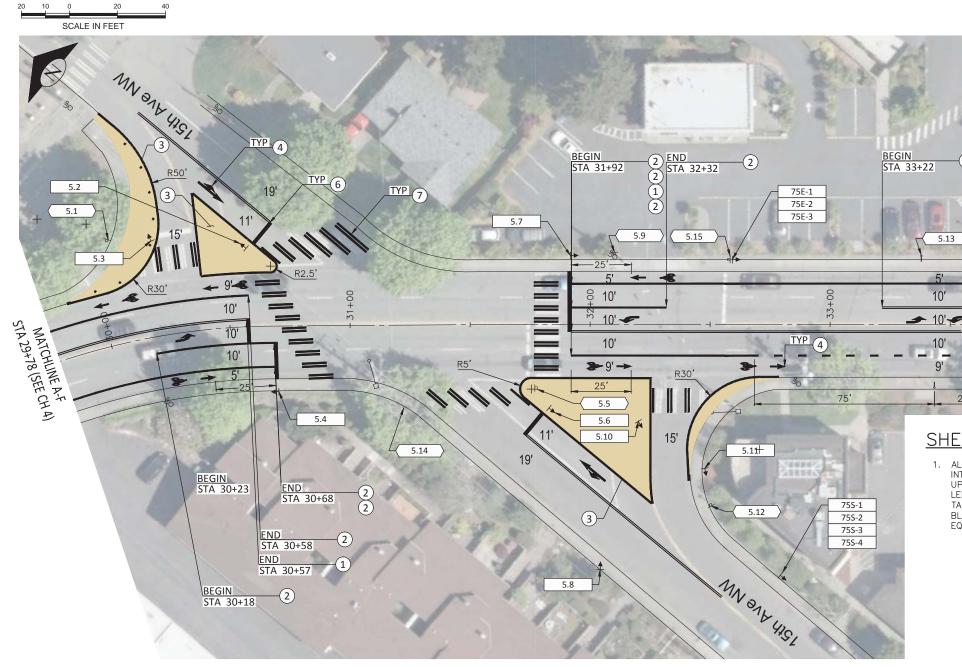
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RICHMOND BEACH RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

CH 4 CHAN





SHEET NOTES:

STA 33+59

5.13

10'

10'

9'

ALL STOP SIGNS AT THIS INTERSECTION SHALL BE
UPGRADED TO SOLAR POWERED LED LIGHTED SIGNS LIKE TAPCO'S R1-1 SOLAR BLINKERSIGNS OR APPROVED EQUIVALENT.

MATCHLINE A-C STA 34+62 (SEE CH 6)

5 END STA 34+59

NW Richmond Beach Rd 10

R1-1 SOLAR BLINKERSIGN

CHANNELIZATION CALLOUTS

	OTIVITALEIZ/THOTA O/TELOOTO
1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
3	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN F-10.64-03

SIGNING CALLOUTS

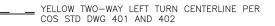
010	DIVINO OF ILLOUIS
X	RELOCATE EXISTING SIGN ASSEMBLY
Х	INSTALL NEW SIGN
X	REMOVE EXISTING SIGN ASSEMBLY
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SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

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LEGEND

DOUBLE	YELLO\	N 4"	CEN.	TERLINE	PER	
 COS ST	D DWG	401	AND	402		



WHITE 4" EDGE LINE PER COS STD DWG 401.

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PLASTIC CROSSWALK PER COS STD DWG 315

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NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

BASIS OF BEARING: NAD 83/91 Project No. 8969

CH 5 CHAN

IF SHEET IS

LESS THAN 22"

X 34". IT IS A

REDUCTION

SHORELINE

17500 Midvale Avenue North

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VELIZATION :UMENTS:

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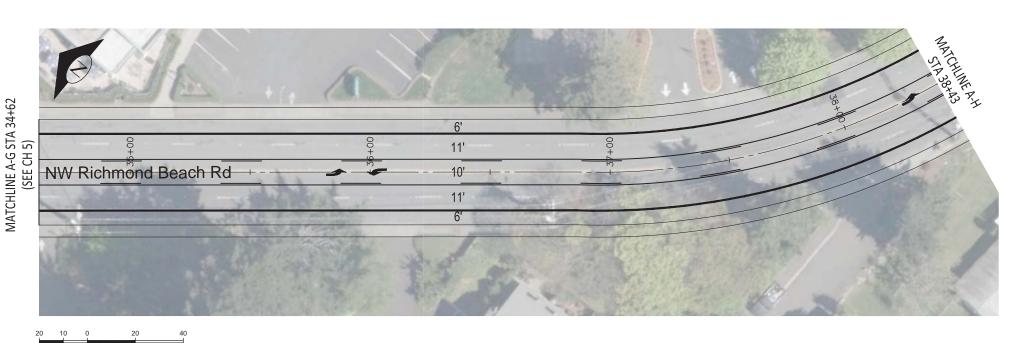
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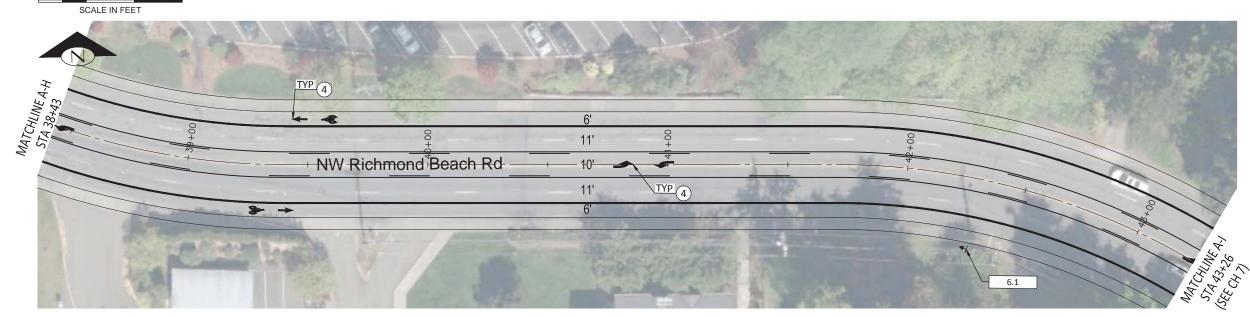
Shoreline, WA 98133

(206) 801-2700

13 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION





CHANNELIZATION CALLOLITS

	CHANNELIZATION CALLOUTS
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(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
(8)	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
(9)	DUAL SLOPED CURB PER WSDOT STD PLAN

SIGNING CALLOUTS

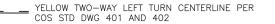
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LEGEND

_	DOUE	BLE)	(ELLO	₩ 4"	CEN	TERLINE	PER	
	COS	STD	DWG	401	AND	402		



WHITE 4" EDGE LINE PER COS STD DWG 401.

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PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



DATUM: NAVD 88

CALL TWO BUSINESS

BASIS OF BEARING: NAD 83/91 Project No. 8969

CH 6 CHAN

14 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

FOR NOT RD

RICHMOND BEACH I RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION



7.7 + 11' MATCHLINE / STA 48+62.4 NW Richmond Beach Rd + -10+ 11' **LEGEND**

CHANNELIZATION CALLOUTS

1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
(9)	DUAL SLOPED CURB PER WSDOT STD PLAN

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
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YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402

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PLASTIC BICYCLE SHARROW PER DETAIL 2 ON

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16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG 315 & 316.

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



MATCHLINE A-K STA 54+09 (SEE CH 8)

DATUM: NAVD 88

CALL TWO BUSINESS

BASIS OF BEARING: NAD 83/91 Project No. 8969

15 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

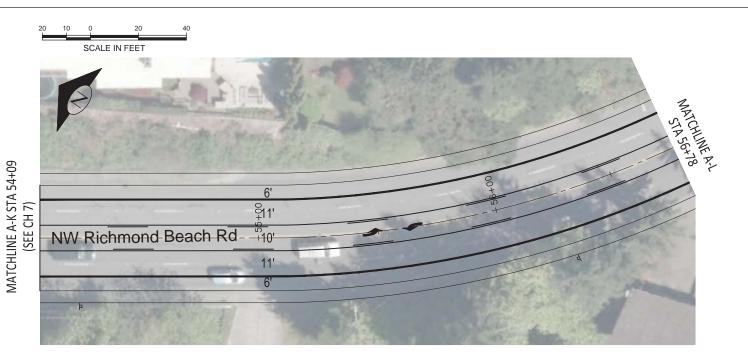
SHORELINE 17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

0 NOT 8 RICHMOND BEACH RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

CH 7

CHAN



CHANNELIZATION CALLOUTS

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6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN F-10.64-03

SIGNING CALLOUTS

X RELOCATE EXISTING SIGN ASSEMBLY
X INSTALL NEW SIGN
X REMOVE EXISTING SIGN ASSEMBLY
X PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN SCHEDULE ON CH16 FOR DETAILS

GENERAL NOTES:

- 1. ALL SIGNS AND MARKINGS TO COMPLY WITH THE MUTCD AND THE CITY'S STANDARD DRAWINGS.
- 2. NOTIFY THE ENGINEER AT LEAST 5 BUSINESS DAYS PRIOR TO INSTALLATION FOR VERIFICATION OF SIGN AND MARKING LAYOUT.
- 3. NOTIFY KING COUNTY METRO CONSTRUCTION COORDINATORS AT (206) 477-1140, AT LEAST 15 BUSINESS DAYS PRIOR TO PRE-CONSTRUCTION MEETING AND ANY BUS STOP IMPACTS.



1 END STA 63+30 111 NW Richmend Beach MATCHLINE A-N STA 63+72 (SEE CH 9) 11' STA 62+16 8.1 STA 62+92 5

- DOUBLE YELLOW 4" CENTERLINE PER COS STD DWG 401 AND 402
- YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402
- WHITE 4" EDGE LINE PER COS STD DWG 401.
- WHITE 8" WIDE LANE LINE PER COS STD DWG 401, 402, AND 410.
- WHITE 4" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.
- _ WHITE 8" DOTTED EXTENSION LINE PER COS STD DWG 401 AND 402.
- PLASTIC BIKE SYMBOL PER COS STD DWG 410 AND DETAIL 1 ON DT1.
 - PLASTIC BICYCLE SHARROW PER DETAIL 2 ON DT1, ADDITIVE #1
 - PLASTIC TURN ARROW PER COS STD DWG 401
 - PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/OBLIQUE TURN ARROW PER COS STD DWG 401, 402, AND DETAIL 5 ON DT1

PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1

16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG 315 & 316.

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

LEGEND

- EXISTING SIGN.
- PROPOSED BUS FLAG
- EXISTING BUS FLAG
- NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



BASIS OF BEARING: NAD 83/91 Project No. 8969 DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

BID DOCUMENTS: NOT FOR CONSTRUCTION

CHAN 16 Of 29

SHORELINE

17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR

NOT

RICHMOND BEACH RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS

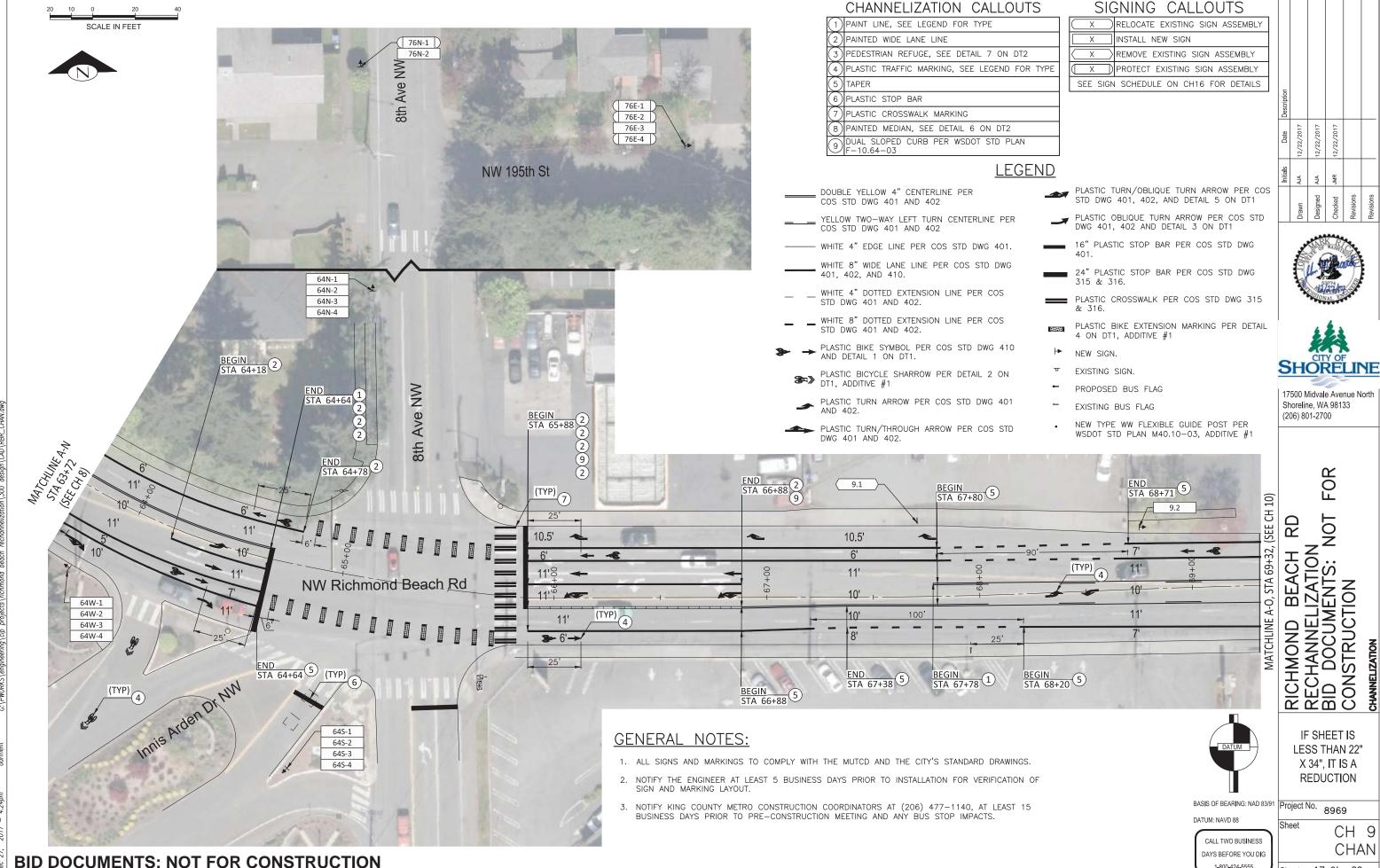
LESS THAN 22"

X 34". IT IS A

REDUCTION

CH 8

RD



CHANNELIZATION CALLOLITS

	CHANNELIZATION CALLOUTS
1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
(8)	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN F-10.64-03

SIGNING CALLOUTS

• • •	
X	RELOCATE EXISTING SIGN ASSEMBLY
X	INSTALL NEW SIGN
$\langle X \rangle$	REMOVE EXISTING SIGN ASSEMBLY
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SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

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BID DOCUMENTS: NOT FOR CONSTRUCTION

LEGEND

DOU	3LE	YELLOV	V 4"	CEN ⁻	TERLINE	PER	
COS	STE	DWG	401	ΔND	402		



WHITE 4" EDGE LINE PER COS STD DWG 401.

WHITE 8" WIDE LANE LINE PER COS STD DWG 401, 402, AND 410.

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PLASTIC BIKE SYMBOL PER COS STD DWG 410 AND DETAIL 1 ON DT1.

PLASTIC BICYCLE SHARROW PER DETAIL 2 ON DT1, ADDITIVE #1

PLASTIC TURN ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

PLASTIC TURN/OBLIQUE TURN ARROW PER COS STD DWG 401, 402, AND DETAIL 5 ON DT1

PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1

16" PLASTIC STOP BAR PER COS STD DWG

24" PLASTIC STOP BAR PER COS STD DWG 315 & 316.

PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



BASIS OF BEARING: NAD 83/91 Project No. 8969

DATUM: NAVD 88

CALL TWO BUSINESS

X 34", IT IS A REDUCTION

18 Of 29

RICHMOND BEACH
RECHANNELIZATION
BID DOCUMENTS: N
CONSTRUCTION

IF SHEET IS LESS THAN 22"

SHORELINE

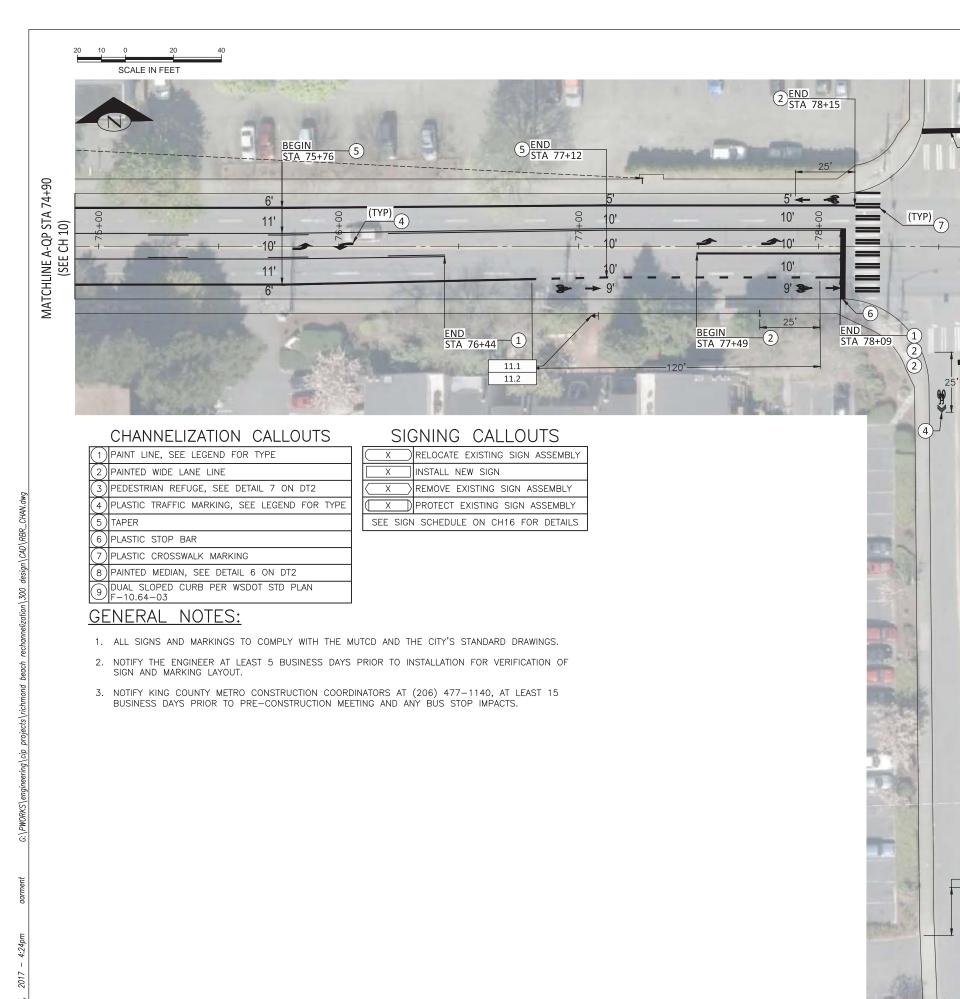
17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR

NOT

RD

CH 10 CHAN





✓NW Richmond Beach Rd

11.3

DOUBLE YELLOW 4" CENTERLINE PER COS STD DWG 401 AND 402

2 END STA 79+68

BEGIN STA 79+08

Ave NW

3rd

- YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402
 - WHITE 4" EDGE LINE PER COS STD DWG 401.
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- PLASTIC OBLIQUE TURN ARROW PER COS STD DWG 401, 402 AND DETAIL 3 ON DT1
- 16" PLASTIC STOP BAR PER COS STD DWG 24" PLASTIC STOP BAR PER COS STD DWG
- 315 & 316. PLASTIC CROSSWALK PER COS STD DWG 315
- & 316. PLASTIC BIKE EXTENSION MARKING PER DETAIL
- 4 ON DT1, ADDITIVE #1
- NEW SIGN.
- EXISTING SIGN.
 - PROPOSED BUS FLAG
- EXISTING BUS FLAG
- NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1

DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

BASIS OF BEARING: NAD 83/91 Project No. 8969

CH 11 CHAN

IF SHEET IS

LESS THAN 22"

X 34". IT IS A

REDUCTION

19 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION MATCHLINE B-A (SEE CH14)

<u>F</u> NOT

SHORELINE

17500 Midvale Avenue North

Shoreline, WA 98133

(206) 801-2700

MATCHLINE A-C STA 80+44 (SEE CH 12)

VELIZATION :UMENTS: STRUCTION

RICHMOND RECHANNEL BID DOCUM CONSTRUCT



CHANNELIZATION CALLOUTS

1	PAINT LINE, SEE LEGEND FOR TYPE
2	PAINTED WIDE LANE LINE
(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
4	PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE
(5)	TAPER
6	PLASTIC STOP BAR
7	PLASTIC CROSSWALK MARKING
8	PAINTED MEDIAN, SEE DETAIL 6 ON DT2
9	DUAL SLOPED CURB PER WSDOT STD PLAN

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
Χ	INSTALL NEW SIGN
X	REMOVE EXISTING SIGN ASSEMBLY
X	PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

GENERAL NOTES:

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LEGEND

DOUBLE	YELLOW	/ 4"	CENTERLINE	PER	
COS STI	DWG	401	AND 402		



WHITE 4" EDGE LINE PER COS STD DWG 401.

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PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



BASIS OF BEARING: NAD 83/91 Project No. 8969

CALL TWO BUSINESS DAYS BEFORE YOU DIG

DATUM: NAVD 88

LESS THAN 22" X 34", IT IS A REDUCTION

CH 12 CHAN

20 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

SHORELINE 17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR NOT RD

RICHMOND BEACH I RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS

SHORELINE

17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

BASIS OF BEARING: NAD 83/91 Project No. 8969

CALL TWO BUSINESS

DATUM: NAVD 88

CH 13

CHANNELIZATION CALLOUTS

1) PAINT LINE, SEE LEGEND FOR TYPE (2) PAINTED WIDE LANE LINE 3) PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2 4) PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE TAPER (6) PLASTIC STOP BAR 7) PLASTIC CROSSWALK MARKING (8) PAINTED MEDIAN, SEE DETAIL 6 ON DT2 9 DUAL SLOPED CURB PER WSDOT STD PLAN 9 F-10.64-03

SIGNING CALLOUTS

X	RELOCATE EXISTING SIGN ASSEMBLY
X	INSTALL NEW SIGN
$\langle X \rangle$	REMOVE EXISTING SIGN ASSEMBLY
$\overline{}$	PROTECT EXISTING SIGN ASSEMBLY
SEE SIGN	SCHEDULE ON CH16 FOR DETAILS

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BID DOCUMENTS: NOT FOR CONSTRUCTION

LEGEND

DOUBLE	YELLOV	۷ 4"	CENTERLINE	PER
COS STI	DWC	401	AND 402	



WHITE 4" EDGE LINE PER COS STD DWG 401.

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PLASTIC CROSSWALK PER COS STD DWG 315

PLASTIC BIKE EXTENSION MARKING PER DETAIL 4 ON DT1, ADDITIVE #1

NEW SIGN.

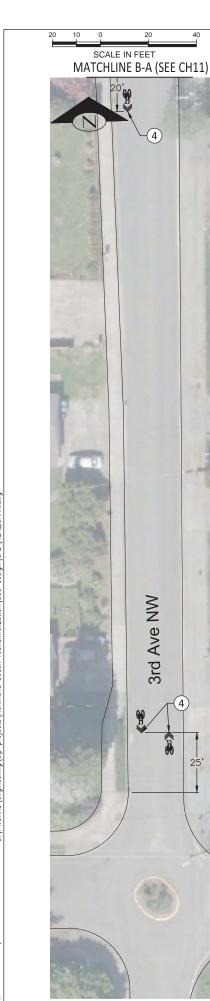
EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1

CHAN



LEGEND

DOUBLE YELLOW 4" CENTERLINE PER COS STD DWG 401 AND 402

___ YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402

----- WHITE 4" EDGE LINE PER COS STD DWG 401.

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AND DETAIL 1 ON DT1.

PLASTIC BICYCLE SHARROW PER DETAIL 2 ON DT1, ADDITIVE #1

PLASTIC TURN ARROW PER COS STD DWG 401 AND 402.

 \geq

Ave

2nd

PLASTIC TURN/THROUGH ARROW PER COS STD DWG 401 AND 402.

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NEW SIGN.

EXISTING SIGN.

PROPOSED BUS FLAG

EXISTING BUS FLAG

NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1

SIGNING CAL	L

1 PAINT LINE, SEE LEGEND FOR TYPE	X RELOCATE EXISTING SIGN ASSEMBLY
2 PAINTED WIDE LANE LINE	X INSTALL NEW SIGN
3 PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2	X REMOVE EXISTING SIGN ASSEMBLY
4 PLASTIC TRAFFIC MARKING, SEE LEGEND FOR TYPE	X PROTECT EXISTING SIGN ASSEMBLY
5 TAPER	SEE SIGN SCHEDULE ON CH16 FOR DETAILS
6 PLASTIC STOP BAR	
7 PLASTIC CROSSWALK MARKING	
8 PAINTED MEDIAN, SEE DETAIL 6 ON DT2	
9 DUAL SLOPED CURB PER WSDOT STD PLAN 9 F-10.64-03	

GENERAL NOTES:

NW 185th St

CHANNELIZATION CALLOUTS

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BASIS OF BEARING: NAD 83/91 Project No. 8969

CALL TWO BUSINESS DAYS BEFORE YOU DIG

CH 14 CHAN

BID DOCUMENTS: NOT FOR CONSTRUCTION

MATCHLINE B-F (SEE CH 15)

X 34", IT IS A REDUCTION

IF SHEET IS

LESS THAN 22"

SHORELINE

17500 Midvale Avenue North

FOR

NOT

RICHMOND BEACH
RECHANNELIZATION
BID DOCUMENTS: N
CONSTRUCTION

Shoreline, WA 98133

(206) 801-2700



CHANNELIZATION CALLOUTS

1	PAINT LINE, SEE LEGEND FOR TYPE
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(3)	PEDESTRIAN REFUGE, SEE DETAIL 7 ON DT2
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LEGEND

 DOUE	BLE '	YELLO	N 4"	CEN	TERLINE	PER	
COS	STD	DWG	401	AND	402		

- YELLOW TWO-WAY LEFT TURN CENTERLINE PER COS STD DWG 401 AND 402
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- EXISTING SIGN.
- PROPOSED BUS FLAG
- EXISTING BUS FLAG
- NEW TYPE WW FLEXIBLE GUIDE POST PER WSDOT STD PLAN M40.10-03, ADDITIVE #1



DATUM: NAVD 88

CALL TWO BUSINESS DAYS BEFORE YOU DIG

BASIS OF BEARING: NAD 83/91 Project No. 8969

CH 15

23 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR

NOT RICHMOND BEACH
RECHANNELIZATION
BID DOCUMENTS: N
CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

CHAN

Plan	Sign	Station	Action	elization Sign Scl Mount Type	MUTCD	Sign Type	Sign Text	Sign Face	Sign	Notes
Sheet	No.	Station		Would Type	Andrew Control of the			Direction	Dimensions	Notes
	73N-1		Install		WAYFIND-B1-L	B1	<left><books> RB Library</books></left>	N	6" x 36"	
	73N-2 73N-3		Install	2.5" Square Tube	WAYFIND-B1-L WAYFIND-B1-L	B1 B1	<left> <bike> RB Community Park <left> <bike> RB Saltwater Park</bike></left></bike></left>	N N	6" x 36" 6" x 36"	
	73N-4		Install	2.5 Square rube	WAYFIND-B1-L	B1	<left> <bike> Shoreview Park 2.8</bike></left>	N	6" x 36"	
	73N-5		Install		WAYFIND-B1-L	B1	<left> <bike> Interurban Trail</bike></left>	N	6" x 36"	
CH1	73E		Install	2.5" Square Tube	WAYFIND-B1-R	B1	Kayu Kayu Ac Park <bike><right></right></bike>	E	6" x 36"	
	1.1	2,02	Install	2" Square Tube	R3-17	Traffic	Bike Lane	E	24" x 18"	
	1.2	3+02	Install	2 Square rube	R3-17bP	Traffic	Ends	E	24" x 8"	
	1.3	3+23	Install	2" Square Tube	R3-17	Traffic	Bike Lane	W	24" x 18"	
	1.4		Install		R8-3A	Traffic	<no parking=""></no>	W	12" x 12"	
	7411.4	<u> </u>	1		WAVEIND DATE	D4	d las diles DD Calturates Dank	N.		I
	74N-1 74N-2		Install	-	WAYFIND-B1-U WAYFIND-B1-R	B1 B1	<up><bike> RB Saltwater Park RB Library <books><right></right></books></bike></up>	N N	6" x 36"	
	74N-2 74N-3		Install	2.5" Square Tube	WAYFIND-B1-R WAYFIND-B1-R	B1	RB Community Park <bike><right></right></bike>	N	6" x 36" 6" x 36"	
	74N-4		Install	-	WAYFIND-B1-L	B1	<left><bike> Shoreview Park 2.4</bike></left>	N	6" x 36"	
	74E-1		Install		WAYFIND-B1-U	B1	<up><books> RB Library</books></up>	E	6" x 36"	
	74E-2		Install		WAYFIND-B1-U	B1	<up><bike> RB Community Park</bike></up>	E	6" x 36"	
СНЗ	74E-3		Install	2.5" Square Tube	WAYFIND-B1-U	B1	<up><bike> Kayu Kayu Ac Park</bike></up>	Е	6" x 36"	
	74E-4		Install		WAYFIND-B1-L	B1	<left> <bike> RB Saltwater Park</bike></left>	E	6" x 36"	
	74E-5	/-1 Install			WAYFIND-B1-R	B1	Woodway <bike><right></right></bike>	E	6" x 36"	
	74W-1				WAYFIND-B1-U	B1	<up><bike> Shoreview Park 2.4</bike></up>	W	6" x 36"	
	74W-2		Install	2.5" Square Tube	WAYFIND-B1-U	B1	<up><bike> Town Cntr 3.7</bike></up>	W	6" x 36"	
	74W-3		Install		WAYFIND-B1-R	B1	RB Saltwater Park <bike><right></right></bike>	W	6" x 36"	
	74W-4		Install		WAYFIND-B1-L	B1	<left> <bike> Woodway</bike></left>	W	6" x 36"	
	75W-1		Install		WAYFIND-B1-U	B1	<up><bike> Hillwood Park</bike></up>	W	C" 2C"	
	75W-1		Install	_	WAYFIND-B1-U	B1	<up><bike> Interurban Trail</bike></up>	W	6" x 36" 6" x 36"	
	75W-3		Install	2.5" Square Tube	WAYFIND-B1-U	B1	<up><bike> Town Cntr 3.5</bike></up>	w	6" x 36"	
CH4	75W-4		Install		WAYFIND-B1-R	B1	Shoreview Park 2.1 <bike><right></right></bike>	W	6" x 36"	
		24+65/ 28+76	Relocate	2" Square Tube	R7-404	Traffic	<bus flag=""></bus>	E/W	0 × 30	Relocate Bus Stop to STA 28+76
	4.2	25+18	Remove	2" Square Tube	R7-404	Traffic	<bus flag=""></bus>			
					D3-1	Traffic	NW 195 ST	SW/NE	Var x 9"	
	5.1	30+05	Remove	2" Square Tube	D3-1	Traffic	15 AVE NW	SE/NW	Var x 9"	
					R1-1	Traffic	Stop	N	30" x 30"	
				2" Square Tube	D3-1	Flaching LED	NW 195 ST	SW/NE	48" x 9"	
	5.2	30+58	Install		D3-1	Flashing LED Stop Sign	15 AVE NW	SE/NW	48" x 9"	
					R1-1 Solar Blinkersign	Assembly	Flashing LED Stop Sign	N	30" x 30"	Lead III Dalla Char Char
	F 2	20.22	In stall	2" Causes Tube	R1-3P	Tanffin	All Way	N	18" x 6"	Install Below Stop Sign
	5.3	30+23	Install	2" Square Tube	R1-2	Traffic Flashing LED	Yield	N	30" x 30"	
	5.4 30+70	Install	2" Square Tube	R1-1 Solar Blinkersign	Stop Sign	Flashing LED Stop Sign	NW	30" x 30"		
					R1-3P	Assembly	All Way	NW	18" x 6"	Install Below Stop Sign
				2" Square Tube	D3-1	Traffic	NW RICHMOND BEACH RD	SW/NE	Var x 9"	
	5.5	31+77	Remove		R1-1	Traffic	Stop All Way	S S	30" x 30"	
					R1-3P D3-1	Traffic	·	-	18" x 6"	
	5.6	31+83	Install	2" Square Tube	R1-1 Solar Blinkersign	Flashing LED Stop Sign	NW RICHMOND BEACH RD Flashing LED Stop Sign	SW/NE S	70" x 18"	
	3.0	31703	IIIStali	2 Square rube	R1-3P	Assembly	All Way	S	30" x 30" 18" x 6"	Install Below Stop Sign
					R1-1 Solar Blinkersign	Flashing LED	Flashing LED Stop Sign	SE		mistan below stop sign
611.5	5.7	31.91	Install	2" Square Tube		Stop Sign			30" x 30"	Install Balay Stan Sign
CH 5					R1-3P	Assembly	All Way	Se	18" x 6"	Install Below Stop Sign Orient sign 45° toward
	5.8	32+04	Install	2" Square Tube	R7-1R	Traffic	No Parking <right></right>	NW	12" x 18"	oncoming traffic
			_	Maria di Arria	R1-1	Traffic	Stop		30" x 30"	
	5.9	32+10	Remove	Wood post	R1-3P	Traffic	All Way		18" x 6"	
	5.10	32+20	Install	2" Square Tube	R1-2	Traffic	Yield	S	30" x 30"	
	5.11	32+45	Install	2" Square Tube	R1-2	Traffic	Yield	S	30" x 30"	
	5.12	32+51	Remove	2" Square Tube	R1-1	Traffic	Stop		30" x 30"	
	5.13	33+38	Remove	2" Square Tube	R7-404	Traffic	<bus flag=""></bus>			
	5.14	31+22	Remove	2" Square Tube	R7-108	Traffic	No Parking <peak></peak>		12" x 18"	
	5.15	32+58	Remove	2" Square Tube	R1-1	Traffic	Stop	SE	30" x 30"	
			les et e II		R1-3P	Traffic	All Way	SE	18" x 6"	
	75S-1		Install		WAYFIND-B1-U	B1	<up><bike> Kruckenberg Garden</bike></up>	S	6" x 36"	
	75S-2		Install	2.5" Square Tube	WAYFIND B1-L	B1	<left><bike> Richmond Beach 0.3</bike></left>	S	6" x 36"	
	75S-3		Install		WAYFIND-B1-L	B1	<left><bike> Kayu Kayu Ac Park <left><bike> Woodway</bike></left></bike></left>	S	6" x 36"	
	75S-4 75E-1		Install		WAYFIND-B1-L WAYFIND-B1-U	B1 B1	<leπ><biκe> woodway <up><biκe> Richmond Beach 0.3</biκe></up></biκe></leπ>	S E	6" x 36"	
	12E-T		Install	2.5" Square Tube	WAYFIND-B1-U WAYFIND-B1-U	B1	<up><bike> Kichmond Beach 0.3 <up><bike> Kayu Kayu Ac Park</bike></up></bike></up>	E	6" x 36" 6" x 36"	
	755.2					LOI	, NODE SOME NAVU NAVU AL FAIR	. E.	10 X 50	
	75E-2			2.5 Square rube			, , ,			
	75E-2 75E-3		Install	213 Square rube	WAYFIND-B1-R	B1	Kruckenberg Garden <bike><right></right></bike>	E	6" x 36"	

Plan Sheet	Sign No.	Station	Action	Mount Type	MUTCD	Sign Type	Sign Text	Sign Face Direction	Sign Dimensions	Notes					
	7.1	44+96	Install	2" Square Tube	W11-2	Traffic	<ped></ped>	NW	30" x 30"						
	7.0	40.01/46.00	D. I	2" Courses Tube	W1-3L	Traffic	<reverse left="" turn=""></reverse>	SE	30" x 30"	Relocate Sign Assembly to STA					
	7.2	48+01/46+98	Relocate	2" Square Tube	W13-1P	Traffic	25 M.P.H.	SE	18" x 18"	46+98					
CH7	7.3	47+87	Install	2" Square Tube	W11-2	Traffic	<ped></ped>	NW	30" x 30"						
СП7	7.4	4/+6/	Install	2 Square rube	W16-7P	Traffic	<downward arrow=""></downward>	NW	24" x 18"						
	7.5	48+01	Install	2" Square Tube	W11-2	Traffic	<ped></ped>	SE	30" x 30"						
	7.6	40101	Install	2 Square rube	W16-7P	Traffic	<downward arrow=""></downward>	SE	24" x 18"		noitc				
	7.7	50+29	Install	2" Square Tube	W11-2	Traffic	<ped></ped>	SE	30" x 30"		Description				
CH8	8.1	62+99	Install	2" Square Tube	R4-4	Traffic	Right Turn <yield> to Bikes</yield>	NW	36" x 30"			1	12		
											Date	12/22/2017	12/22/2017		
	9.1	67+71	Remove	2" Square Tube	R7-404	Traffic	<bus flag=""></bus>				12/	2 5	12/		
	9.2	68+76	Install	2" Square Tube	R4-4	Traffic	Right Turn <yield> to Bikes</yield>	E	36" x 30"		<u>«</u>				
-	64N-1		Install		WAYFIND-B1-R	B1	Richmond Beach 1.1 <bike><right></right></bike>	N	6" x 36"		Initials	1	₩.		
	64N-2		Install	2.5" Square Tube	WAYFIND-B1-R	B1	Kayu Kayu Ac Park <bike><right></right></bike>	N	6" x 36"						
	64N-3		Install	·	WAYFIND-B1-U	B1	<up><bike> Boeing Creek Park</bike></up>	N	6" x 36"			Dogianod	g b	Revisions	Revisions
	64N-4		Install		WAYFIND-B1-U	B1	<up><bike> Shoreview Park 2.0</bike></up>	N	6" x 36"			man law	Checked	Revis	Revis
	64S-1		Install		WAYFIND-B1-U	B1	<up><bike> Hillwood Park</bike></up>	SW	6" x 36"			- -	, 0	4	ш.
	64S-2		Install	2.5" Square Tube	WAYFIND-B1-U	B1	<up><bike> Interurban Trail</bike></up>	SW	6" x 36"						
	64S-3		Install		WAYFIND-B1-U	B1	<up><bike> Edmonds</bike></up>	SW	6" x 36"		12	PONE	RK R	O.	
CH9	64S-4		Install		WAYFIND-B1-U	B1	<up><bike> Town Cntr 2.6</bike></up>	SW	6" x 36"		3	Sala	and a		
	64W-1		Install		WAYFIND-B1-L	B1	<left><bike> Hillwood Park</bike></left>	W	6" x 36"		4	316	侧叉	Mag	
	64W-2		Install	2.5" Square Tube	WAYFIND-B1-L	B1	<left><bike> Edmonds</bike></left>	W	6" x 36"		3	al.	53774	18	
	64W-3		Install	2.5 Square rube	WAYFIND-B1-R	B1	Boeing Creek Park <bike><right></right></bike>	W	6" x 36"			100	2/27/		
	64W-4		Install		WAYFIND-B1-R	B1	Shoreview Park 2.0 <bike><right></right></bike>	W	6" x 36"				ONAL E		
	76N-1		Protect	2.5" Square Tube	WAYFIND-B1-L	B1	<left><bike> Hillwood Park</bike></left>	N	6" x 36"						
	76N-2		Install		WAYFIND-B1-L	B1	<left><bike> Town Cntr 2.2</bike></left>	N	6" x 36"				6	8	
	76E-1		Protect		WAYFIND-B1-R	B1	Edmonds <bike><right></right></bike>	E	6" x 36"			- 4	7		
	76E-2		Protect	2.5" Square Tube	WAYFIND-B1-L	B1	<left><bike> Richmond Beach 1.5</bike></left>	E	6" x 36"			a	4	8	
	76E-3		Install		WAYFIND-B1-L	B1	<left><bike> Kayu Kayu Ac Park</bike></left>	E	6" x 36"		CT	C	ITY O	F	-
	76E-4		Protect		WAYFIND-B1-L	B1	<left><bike> Shoreview Park 2.4</bike></left>	E	6" x 36"		SH	10	KE		YE
CH10	10.1	77+27/ 72+36	Relocate	2" Square Tube	R7-404	Traffic	<bus flag=""></bus>	E/W		Relocate Bus Stop to STA 72+36	17500) Midv	ale Av	nue N	orth
													NA 981		
	11.1	77+08	Install	2" Square Tube	R3-17	Traffic	Bike Lane	W	24" x 18"		(206)	801-2	700		
CH11	11.2	77+08	Install	2 Square rube	R3-17bP	Traffic	Ends	W	24" x 8"						
	11.3	80+37	Install	2" Square Tube	R7-1	Traffic	No Parking Anytime	W	12" x 18"						
	12.1	82+45	Install	2" Square Tube	R10-7	Traffic	Do Not Block Intersection	E	24" x 30"						
	12.2	83+46	Remove	Wood post	R-LEFTTURNSAHEAD	Traffic	Left Turns Ahead		30" x 30"				\sim		
	12.3	84+51	Install	2" Square Tube	R7-1	Traffic	No Parking Anytime	E	12" x 18"				$\overline{\Box}$		
CH12	12.4		Install		R3-17	Traffic	Bike Lane	SE	24" x 18"				FOR		
	12.5	85+85	Install	2" Square Tube	R8-3A	Traffic	<no parking=""></no>	SE	12" x 12"						
	12.6	89+12	Install	2" Square Tube	W9-2	Traffic	Right Lane Ends	SE	30" x 30"				\vdash		
_											8		Ö		
CH13	13.1	91+08	Install	2" Square Tube	W9-1	Traffic	<merge left=""></merge>	SE	30" x 30"		-	_	NOT		
	15.1		In at 10	2" Causes Tub-	D4 4	T	Ston	147	2011 221	Additive #4	끙				
CH15	15.1		Install	2" Square Tube	R1-1	Traffic	Stop	W	30" x 30"	Additive #1		\cong	()		

SIGN NOTES:

- 1. ALL SIGNS TO COMPLY WITH THE MUTCD AND THE CITY'S STANDARD DRAWINGS.
- 2. SEE SHEETS DT2-3 FOR SIGN DETAILS.
- 3. NOTIFY KING COUNTY METRO CONSTRUCTION COORDINATORS AT (206) 477-1140, AT LEAST 15 BUSINESS DAYS PRIOR TO PRE-CONSTRUCTION MEETING AND ANY BUS STOP IMPACTS.
- 4. ALL CROSSWALK RELATED SIGNS SHALL BE FLORESCENT GREEN.



BASIS OF BEARING: NAD 83/91 Project No. 8969

CALL TWO BUSINESS

Sheet 24 Of 29

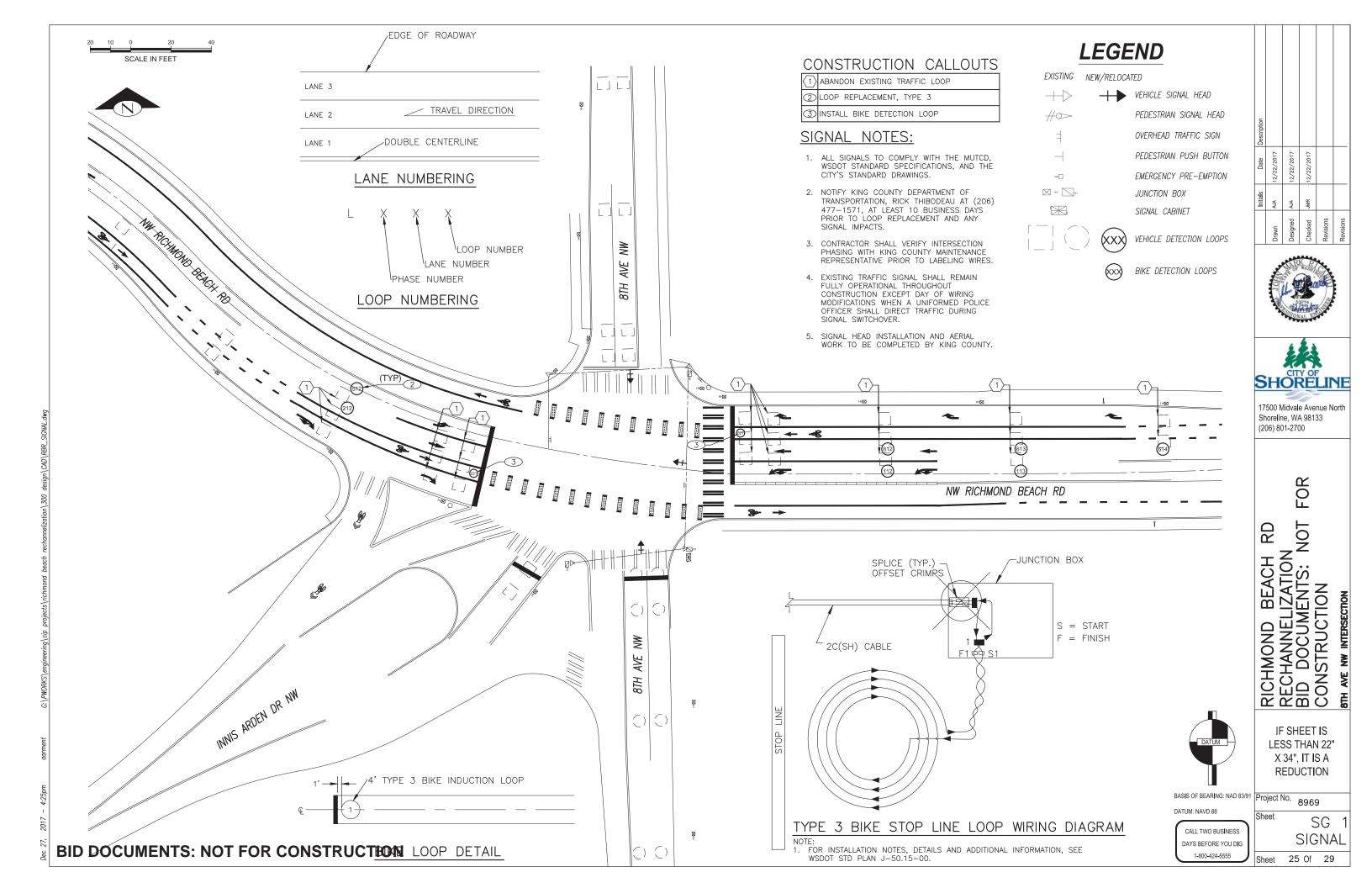
BID DOCUMENTS: NOT FOR CONSTRUCTION

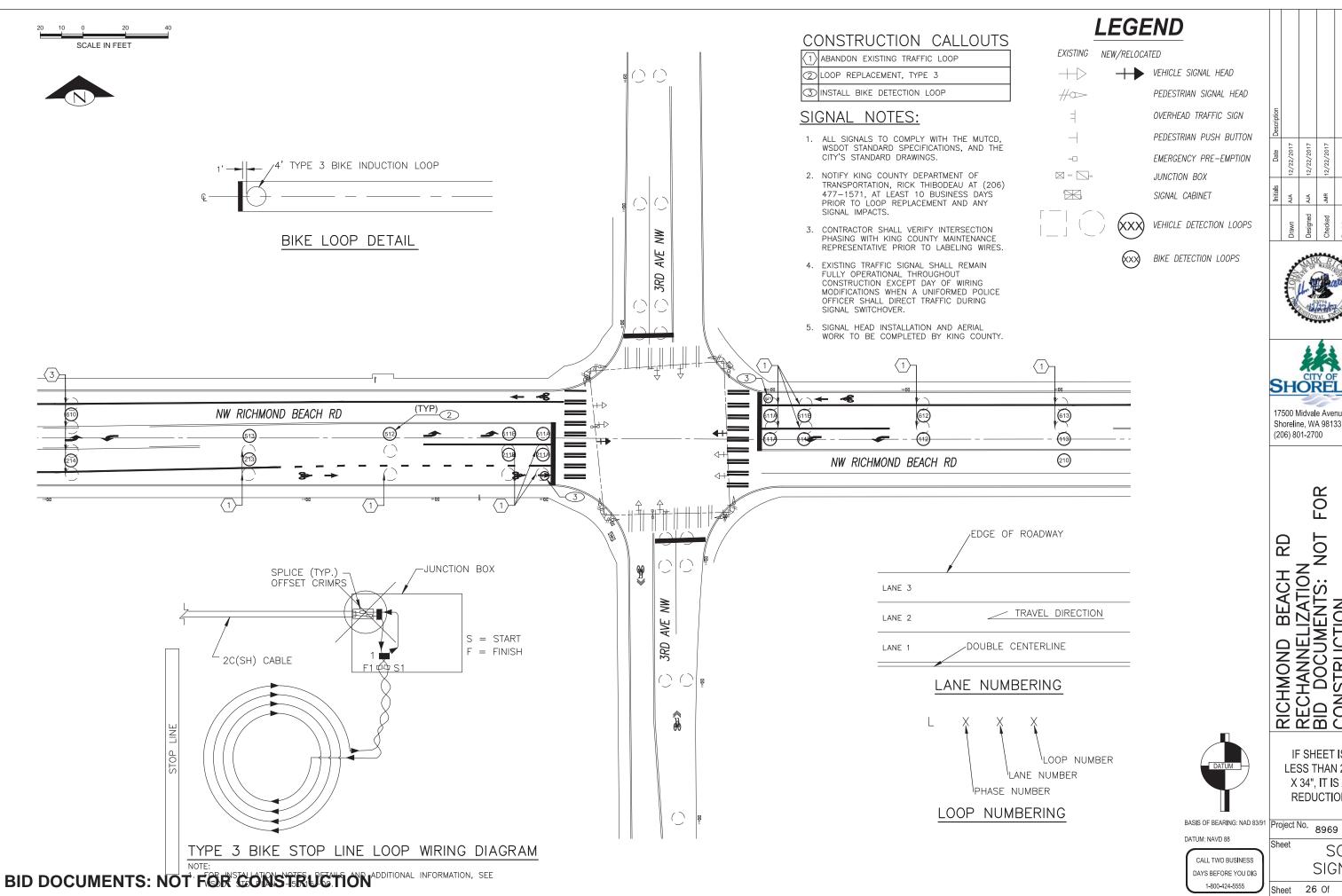
FOR

RICHMOND BEACH RD RECHANNELIZATION BID DOCUMENTS: NOT CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

CH 16 CHAN









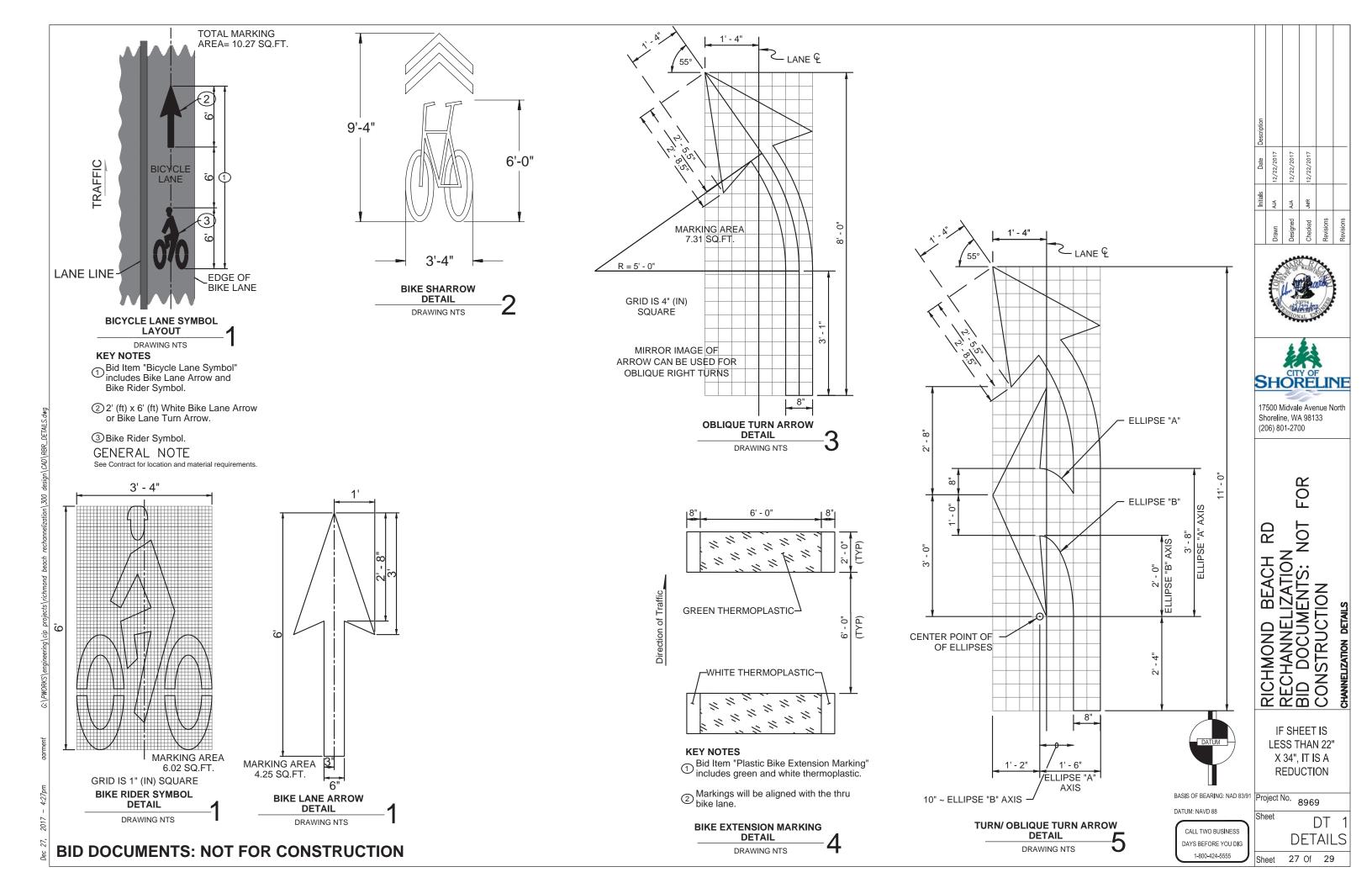
17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700

FOR

NOT RICHMOND BEACH RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

> IF SHEET IS LESS THAN 22" X 34", IT IS A REDUCTION

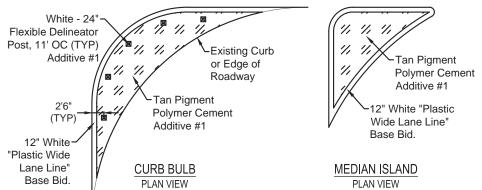
SG 2 SIGNAL



KEY NOTES

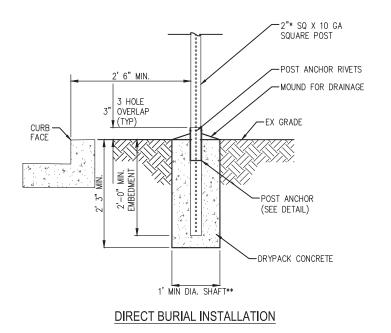
1 Painted Medians will be paid for under the bid items: "Paint Line", "Plastic Crosshatch Marking", and "Raised Pavement Marker Type 2".

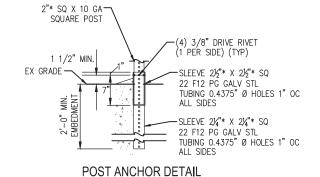
> **PAINTED MEDIAN DETAIL** DRAWING NTS

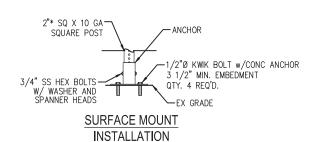


- 2 Edge line and Flexible Delineator posts (where applicable) will be paid under their separate bid items.
- 3 Dimensions are measured to outside edge of plastic wide lane line. See plan sheets
- (4) Flexible Delineator Posts shall not block the marked crosswalk or protrude into the pedestrian access route.

PEDESTRIAN REFUGE DRAWING NTS







- 1. POST ANCHOR RIVETS SHALL BE 1 1/2"ABOVE GROUND LEVEL
- 2. FOR POST RELOCATIONS, OLD CONCRETE SHALL BE REMOVED FROM POST.
- 3. POST SHALL BE ROLLED CARBON SHEET STEEL, ASTM A570 GRADE 50 AND BE HOT DIPPED GALVANIZED AASHTO M-120 YIELD STRENGTH 60,000 PSI MIN. POST SHALL HAVE 7/16" DIE-PUNCHED KNOCKOUTS ON 1" CENTERS FULL LENGTH ON ALL FOUR
- 3. ANCHOR SHALL HAVE 4 7/16" HOLES ONE EACH SIDE 2" FROM TOP END. FINISH SHALL BE ZINC HOT DIPPED GALVANIZED MATERIAL TO MEET ASTM A500 GRADE B.
- 4. WHERE SURFACE MOUNTED 2" SQUARE METAL POSTS ARE REQUIRED ON SLOPED SIDEWALK, THE CONTRACTOR SHALL PLUMB THE POST BY BUILDING A NON-SHRINK GROUT PAD UNDER PEDESTAL ASSEMBLY WITH SMOOTH 1H TO 1V TAPER ON THE GROUT EDGE. THE BOLT ANCHOR LENGTH SHALL BE ADJUSTED TO PROVIDE A MIN 3 1/2 INCH EMBEDMENT THROUGH THE GROUT INTO THE EXISTING CONCRETE.
- 6. SURFACE MOUNTS TO BE USED ONLY AT THE DISCRETION OF TRAFFIC ENGINEER OR RIGHT-OF-WAY INSPECTOR.
- * INCREASE DIMENSION BY 1/2" FOR 2.5" SQUARE POST
- **1.25' MIN DIA. SHAFT FOR 2.5" SQUARE POST

SQUARE POST INSTALLATION DRAWING NTS



BASIS OF BEARING: NAD 83/91 Project No. 8969

DATUM: NAVD 88 CALL TWO BUSINESS DAYS BEFORE YOU DIG

DT2 **DETAILS** 28 Of 29

BID DOCUMENTS: NOT FOR CONSTRUCTION

1 Bid Item "Pedestrian Refuge" will be measured per sf of tan.

NOT RD VELIZATION OMENTS: N BEACH

SHORELINE

17500 Midvale Avenue North

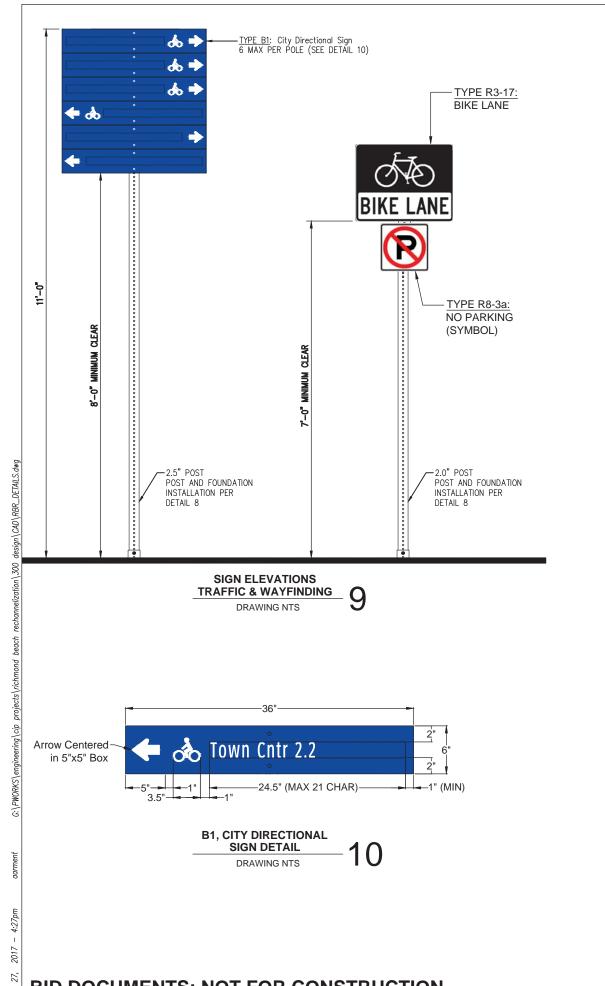
FOR

Shoreline, WA 98133

(206) 801-2700

STRUCTION RICHMOND RECHANNEL BID DOCUM CONSTRUCT

> IF SHEET IS LESS THAN 22" X 34". IT IS A REDUCTION





Kayu Kayu Ac Park

Edmonds

NEW SIGN 73E

Richmond Beach 1.5

👉 🚲 Kayu Kayu Ac Park

Shoreview Park 2.4

76E

& →

EXISTING SIGNS:

& →









73N







- 1. CITY DIRECTIONAL SIGNS SHALL BE MOUNTED ON 2.5" SQUARE POSTS.
- 2. FINAL SIGN LOCATIONS TO BE VERIFIED BY THE CITY INSPECTOR
- SIGNS SHALL BE SINGLE-SIDED
- ALL SIGNS SHALL BE INSTALLED LEVEL AND PLUMB
- ALL SIGN TYPES AND STANDARDS PER CITY WAYFINDING SIGNING **GUIDELINES MARCH 2014**

B1, CITY DIRECTIONAL SIGN ASSEMBLIES



SIGNS SHALL COMPLY WITH CITY OF SHORELINE STANDARD PLAN 517, AND THE MUTCD.



D3-1 SIGN DETAILS 1" = 1'



BASIS OF BEARING: NAD 83/91 Project No. 8969

DATUM: NAVD 88 CALL TWO BUSINESS DAYS BEFORE YOU DIG

DT3 **DETAILS**

BID DOCUMENTS: NOT FOR CONSTRUCTION

SHORELINE 17500 Midvale Avenue North Shoreline, WA 98133 (206) 801-2700 FOR

AJA AJA

NOT RD RICHMOND BEACH F RECHANNELIZATION BID DOCUMENTS: N CONSTRUCTION

IF SHEET IS LESS THAN 22" X 34". IT IS A REDUCTION