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• A D D E N D U M # 5 •

TO ALL PLAN HOLDERS	DATE	JOB NO.:
	July 16, 2015	2302-027
	ATTN Plan Holders	
RE City of Newport Abalone and 30 th Roadway Improvements		

The following Addendum is part of the Contract Documents, changes should be made to the referenced sections of the Contract Documents Dated June 2015.

Clarification/Notification Items

1. C-410 Bid Form, Line Item 43 – Asphalt Concrete Pavement (Path) (3”) – Aggregate Base material shall be incidental to the work. Measurement shall be on a square yard basis.

Addenda Items

Volume 1 – Bidding Forms, Contract Forms, Etc.,

1. C-410 Bid Form, Quantities have been updated and shall include

Item 37-	¾”-0 Compacted Aggregate & Leveling Course:	<u>change</u>	ton –	970
Item 43-	Asphalt Concrete Pavement (Path):	<u>change</u>	sy –	1,634
Item 52-	12” Wide Thermoplastic Stop Bar/ Crosswalk:	<u>change</u>	lf –	280
Item 53-	Continental Crosswalk Pavement Markings:	<u>change</u>	lf –	200
Item 60-	New Traffic Signs - Installed:	<u>change</u>	ea –	12
2. Wording has been Added to the description.

Item 43-	Asphalt Concrete Pavement (Path)(3”)	<u>Add</u>	“with 4” Agg Base”
Item 45-	Standard Concrete Sidewalk (4” Thick)	<u>Add</u>	“with 2” Agg Base”
Item 47-	6” PCC Valley Gutter	<u>Add</u>	“with 6” Agg Base”
Item 48-	Commercial Reinforced Driveway Approach	<u>Add</u>	“with 2” Agg Base”
Item 49-	Standard 6” Thick Residential Driveway Approach	<u>Add</u>	“with 2” Agg Base”
Item 50-	Handi-cap Access Ramp	<u>Add</u>	“with 2” Agg Base”

Volume 2 – Technical Specifications

1. Section 02740 Asphalt Concrete Pavement- 4.01 Measurement and Payment- Add line “D. Measurement and Payment for Asphalt Concrete Pavement – Path shall be made on a square yard basis for the amount stated on the Bid Form and shall include aggregate base, grading, backfill, driveway adjustments, curb adjustment and all work necessary to prepare and construct path.”

Volume 3 – Project Drawings

1. **D2** – 2" Agg Base $\frac{3}{4}$ "-0 Leveling Course under sidewalk.
2. **D12** – Changed detail callout name.
2. **D17** – Street/Stop sign, cross walk, Ped XING signs modifications.
3. **D18** – Stop Ahead sign, W3-1A: Ped XING and Arrow sign, W11-2 & W16-7pR.

END OF ADDENDUM

Respectfully,
Civil West Engineering Services



Ralph R. Wenziger, P.E.
Project Manager
Copy To: File

BID FORM FOR CONSTRUCTION CONTRACTS

Prepared by



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BID FORM

**City of Newport
Newport Abalone and 30th Roadway Improvements
Project No. 2302-027**

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

City of Newport

Attn. Mr. Timothy Gross, PE, Director of Public Works/City Engineer

169 SW Coast Highway

Newport OR 97365

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Federal, State and Local Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on

- (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
 - G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
 - H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
 - I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
 - J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
 - K. Bidder will submit written evidence of its authority to do business in the State or other jurisdiction where the project is located not later than the date of execution of the Agreement.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.
- E. Bidder certifies that Bidder will comply with ORS 279C.838 or 279C.840 regarding prevailing wage rates.
- F. Bidder is is not a resident bidder as defined in ORS 279A.120.

ARTICLE 5 – BASIS OF BID

5.01 The basis of award of the Contract will be to the lowest & responsive bidder for the Basic Bid for the City of Newport – **Newport Abalone and 30th Roadway Improvements:**

- A. Unit Prices have been computed in accordance with the General Conditions.
- B. The bidder agrees to hold all bid prices for sixty (60) days from date of bid opening.
- C. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.
- D. The identity of the successful Bidder for each individual schedule may not specifically be determined at the time of the opening of the Bids

5.02 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Base Bid - Newport Abalone and 30th Roadway Improvements – Unit Price Bid

Item No.	Description	Unit	Estimated Quantity	Unit Price	Total Estimated Price
1	Mobilization Bonds and Insurance	ls	1		
2	Temporary Controls and Facilities	ls	1		
3	Demolition and Site Preparation	ls	1		
4	2" PVC Pipe w/ Fittings	lf	40		
5	Connection to Existing 2" Waterline	ea	1		
6	6" Waterline C900 PVC w/ Class "B" Backfill	lf	91		
7	6" Waterline Fittings (Adapters, Bends, Couplings, Tees Etc.)	ea	4		
8	6" Gate Valve	ea	2		
9	Connection to Existing 6" Waterline	ea	3		
10	8" Waterline C900 PVC w/ Class "B" Backfill	lf	1,443		
11	8" Waterline Fittings (Adapters, Bends, Couplings, Tees Etc.)	ea	22		
12	8" Gate Valve	ea	9		
13	Insertion Valve - 8"	ls	1		
14	Connection to Existing 8" Waterline	ea	4		

15	12" Waterline C900 PVC w/ Class "B" Backfill	lf	1,138		
16	12" Waterline Fittings (Adapters, Bends, Couplings, Tees Etc.)	ea	8		
17	12" Gate Valve	ea	3		
18	Connection to Existing 12" Waterline	ea	1		
19	Fire Hydrant Assembly	ea	7		
20	Remove Fire Hydrant	ea	3		
21	Air Release Valve	ea	2		
22	Concrete Cap & Plug Existing Waterline	ea	11		
23	Water Service Reconnection	ea	15		
24	6" PVC Drain Pipe	lf	326		
25	12" PVC Storm Drain Pipe	lf	738		
26	12" RCP Storm Drain Pipe	lf	80		
27	15" PVC Storm Drain Pipe	lf	170		
28	24" RCP Storm Drain Pipe	lf	7		
29	48" Sloped Inlet Manhole	ea	1		
30	Area Inlet/Drain	ea	1		
31	Graded Inlet (D&L Foundry)	ea	10		
32	New 48" SD Manhole	ea	7		
33	Connection to Existing Storm Drain Manhole/Catch Basin	ea	4		
34	Rip Rap 6"-8"	cy	18		
35	Storm Drain Catch Basin (Advantage)	ea	17		
36	1 1/2"-0 Compacted Aggregate Sub Base Rock (8" Depth)	ton	2,211		
37	3/4"-0 Compacted Aggregate & Leveling Course	ton	970		
38	Geotextile Fabric	sy	11,769		

39	Roadside V-Ditch	cy	120		
40	Roadway Excavation (Cut/Fill)	cy	3,480		
41	Foundation Stabilization	cy	100		
42	Gravel Surfacing (2")	sf	1,530		
43	Asphalt Concrete Pavement (Path) (3") with 4" Agg Base	sy	1,634		
44	Asphalt Concrete Pavement (Roadway) (4" set in 2-2" lifts)	ton	1,671		
45	Standard Concrete Sidewalk (4" Thick) with 2" Agg Base	sf	4,180		
46	Standard Curb & Gutter	lf	4,861		
47	6" PCC Valley Gutter with 6" Agg Base	sf	420		
48	Commercial Reinforced Driveway Approach with 2" Agg Base	sf	495		
49	Standard 6" Thick Residential Driveway Approach with 2" Agg Base	sf	1,863		
50	Handi-cap Access Ramp with 2" Agg Base	sf	800		
51	Truncated Dome	sf	90		
52	12" Wide Thermoplastic Stop Bar/ Crosswalks	lf	280		
53	Continental Crosswalk Pavement Markings	lf	200		
54	Painted Pavement Markings (4-inches wide) any color (Yellow - White)	lf	2,062		
55	Thermoplastic Pavement Markings (Directional arrow, symbols etc...)	ea	3		
56	Lighting Handhole	ea	4		
57	Street Light Pole Base - Installed	ea	18		
58	Utility Trench/Placement	lf	2,780		
59	1" Conduit & Materials for Street Light Pole Lighting - Installed	lf	2,780		
60	New Traffic Signs - Installed	ea	12		

61	Bollard	ea	6		
62	Large Concrete Block Retaining Wall (2' X 2' X 4') - w/ Geogrid	sf	1,888		
63	Mortared Concrete Block Wall - 8" CMU (Cast in Place)	sf	1,477		
64	Mortared Concrete Block Wall - 12" CMU (Cast in Place)	sf	208		
65	Handrail	lf	165		
66	Guardrail	lf	140		
67	10" PVC Storm Drain Pipe	lf	65		

Total of Item Prices: \$ _____

(Numbers)

Total of Item Prices: _____

(In words)

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security (Form C-430);
- B. List of Proposed Subcontractors; Form C-440, (First-Tier Subcontractors Disclosure Form submitted within 2 working hours after Bid closing time)
- C. Statement of Qualifications, see Instructions to Bidders (Form C-200)
- D. Contractor Responsibility Certification (C-460);
- E. Residency Statement (C-461);
- F. Drug Testing Statement (C-462);
- G. Non-Discrimination Certification (C-463);
- H. Oregon State Tax Law Compliance Certification (C-464);
- I. CCB License Certification (C-465);

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted by:

BIDDER: *[Indicate correct name of bidding entity]*

By: *[Signature]* _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: *[Signature]* _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

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SECTION 02740 – HOT MIX ASPHALT CONCRETE PAVEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. This section includes furnishing all materials, labor and equipment necessary to construct asphalt concrete pavement to the lines, grades and cross sections shown or established, including one or more courses and overlays. Work shall be performed in conformance with any applicable State, County and City Standards.

PART 2 PRODUCTS

2.01 DEFINITIONS

- A. Hot Mixed Asphalt Concrete (HMAC) – Asphalt concrete is a hot mix of asphaltic cement; well graded, high quality aggregate; mineral filler and additives, as required; plant mixed into a uniformly coated mass, hot laid in on a prepared foundation, and compacted to a specified density.
- B. Oregon Standard Specifications (OSS) – The 2008 Oregon Department of Transportation/APWA Oregon Chapter Standard Specifications for Construction.

2.02 MATERIALS

- A. Unless otherwise specified herein, types, grades, quality and proportions of materials shall conform to specified and/or applicable sections of the current Oregon Standard Specifications.
- B. HMAC shall be Level 3 HMAC, ½-inch Dense Graded Mix in accordance with OSS Section 00744.
- C. Asphalt Tack Coat shall consist of CSS-1 or CSS-1h emulsified asphalt (EA) tack coat conforming to OSS 00730.
- D. Base Aggregate shall be as specified in Section 02720 of these specifications.

PART 3 EXECUTION

3.01 WORKMANSHIP

- A. Unless otherwise specified herein, HMAC shall be mixed, processed, hauled, laid, compacted and finished in accordance with OSS Section 00744.
- B. Notify the Engineer at least 48-hours prior to placement of base aggregate and asphalt concrete pavement to permit inspection.
- C. When, in the judgment of the Engineer, the weather is such that satisfactory results cannot be achieved asphalt concrete paving operations shall be suspended. Owner shall not be liable for damages or claims of any kind or description due to the suspension of operations by the Engineer. HMAC shall not be placed when the ambient temperature is below 35° F.
- D. Adhere to all applicable State and/or OSHA regulations pertaining to road closure, traffic control, and other related safety precautions.

- E. To provide for the convenience and safety of the traveling public, pavement replacement shall be performed immediately following the completion of backfilling operations. In the event that pavement replacement cannot be performed as such, the Contractor shall maintain the trench backfill on a daily basis, as directed, until pavement replacement has been completed.
- F. Subgrade and aggregate base shall be prepared, compacted and finished in accordance with Section 02720.
- G. Pavement Sawcutting
 - 1. Utility trenches in existing pavement areas shall be sawcut immediately prior to repaving. Sawcuts shall be made a minimum of 6-inches outside the limits of the trench, or to the outer extents of pavement damaged as a result of the Contractor's operations, whichever is greater.

H. Tack Coat Asphalt

- 1. Contact surfaces of manholes, catch basins, gutters and existing pavements shall be treated with a layer of tack coat asphalt. Do not place on wet surfaces.
- 2. Joints between existing and new AC pavement shall be filled with tack coat asphalt.
- 3. Apply tack coat asphalt with a pressure distributor capable of uniformly applying the emulsified asphalt at even heat on variable surface widths up to 16-feet, at readily determined and controlled rates from 0.05 to 0.20 gallons per square yard, and with uniform pressure. Pressure distributor shall include a tachometer, pressure gages, accurate volume measuring devices and a thermometer for measuring temperature of tank contents. Pressure distributor shall be equipped with a positive power asphalt pump and full circulation spray bars adjustable both laterally and vertically. Set bar height for triple lap coverage.
- 4. Minimum surface temperature at the time of placement of tack coat asphalt shall not be less than 50° F.
- 5. Tack coat shall only be applied to clean dry surfaces. All loose material should be removed by sweeping, flushing with water or other approved methods.
- 6. Apply tack coat asphalt at the following rates for the indicated surfaces.

Surface	Application Rate (gallons / yd ²)	
	Undiluted	Diluted 1:1 with Water
New HMAC	0.05 – 0.07	0.10 – 0.13
Oxidized HMAC	0.07 – 0.10	0.13 – 0.20
Milled HMAC	0.10 – 0.13	0.20+

- 7. Tack coat asphalt shall be at a temperature between 140° F and 185° F as recommended by the manufacturer at the time of application.
- 8. Do not place HMAC on the tack coat until the asphalt separates from the water, but before it loses its tackiness.

I. Asphalt Concrete Pavement

- 1. HMAC shall be a minimum of 250° F at the time of placement.

2. Storage of HMAC in silos shall not be permitted.
3. Control of line and grade shall be manual.
4. HMAC shall be covered during hauling if rain or cold air temperatures are encountered any time between loading and placement. HMAC will be rejected if any of the following is observed: mix falls below minimum specified temperature; slumping or separating; solidifying or crusting; absorbing moisture. Rejected loads shall be disposed of at the Contractor's expense.
5. Deposit HMAC from the hauling vehicles so segregation is prevented. HMAC shall not be windrowed.

J. Placement

1. HMAC should be placed using a self-contained, self-propelled paver supported on tracks or wheels that do not contact the mix being placed.
2. When leveling irregular surfaces and raising low areas, do not exceed 2-inches actual compacted thickness on any one lift.
3. Place the mix in the number of lifts and courses, and to the compacted thickness for each lift and course as shown on the Plans. Limit the minimum lift thickness to twice the maximum aggregate size in the mix.
4. The compacted depth of new asphalt concrete pavement on public streets shall be 2-inches, minimum. Asphalt concrete paving for utility trench patches shall be 2-inches, minimum, or shall match the existing paving, whichever is greater. Asphalt concrete overlays on public streets shall have a minimum thickness of 2-inches. On non-public roads or driveways, match existing thickness, with a minimum thickness of 2-inches. Asphalt concrete pavement in excess of 2-inches thick shall be constructed in multiple lifts of approximately equal thickness. The maximum compacted thickness of any individual lift shall not exceed 3-inches.
5. The compacted depth of new asphalt concrete pavement on multi-use paths shall be 3-inches, set in a single lift. As shown on the Plans.
6. Pavement shall be placed, shaped, compacted and finished to the grades and cross sections shown on the Plans or established. Taper new overlays at limits to match existing asphalt pavement.
7. HMAC shall be compacted using self-propelled steel wheeled static rollers, vibratory rollers, or pneumatic tired rollers capable of achieving the minimum compaction specified. If vibratory rollers are used, they should be specifically designed for compaction of HMAC, have adjustable amplitude and frequency, and be capable of at least 2000 vibrations per minute. Finish rolling should be performed by a static roller or a vibratory roller in the static mode.
8. Asphalt concrete pavement shall be compacted to a minimum of 92% relative compaction with the theoretical maximum density determined by AASHTO T-209. Testing shall be performed at random locations using a nuclear gauge operated in the back-scatter mode. At least one density test shall be performed every 1000 lineal feet on each spread or a minimum of one test each day of production.

9. No traffic shall come in contact with any newly paved surface until surface has cooled and set sufficiently to prevent marking. The Contractor is responsible for traffic control.

K. Warranty

1. Contractor shall maintain all asphalt concrete paved areas and shall furnish all required materials and workmanship at no additional cost to the Owner for a period of one year following the Owner's acceptance of the complete project.
2. If any newly paved asphalt concrete surfaces settles, cracks, breaks, or becomes otherwise defective within the warranty period as described herein, then the deficiencies or damages in surfacing shall be immediately repaired by the Contractor upon request and in a manner approved by the Engineer.
3. All costs incurred in the repair of deficiencies or damages shall be borne by the Contractor, with no additional compensation allowed.

PART 4 SPECIAL PROVISIONS

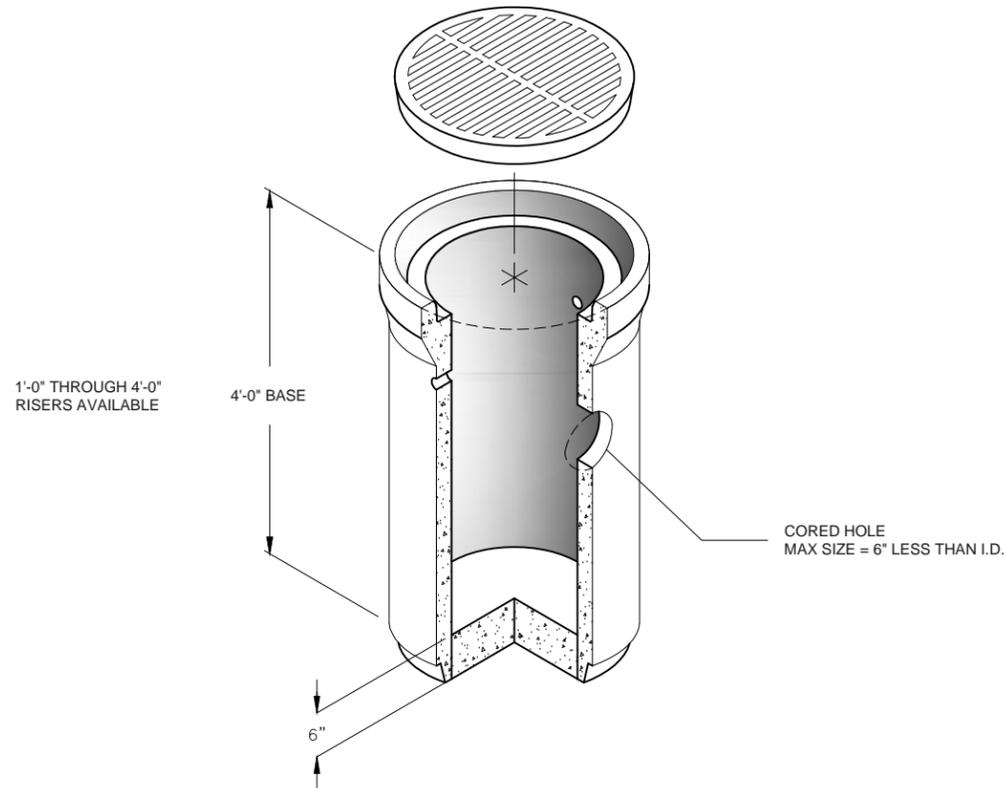
4.01 MEASUREMENT AND PAYMENT

- A. Measurement and payment for the excavation, disposal, backfill, and other preparation of trenches shall be specified in Section 02315 – Trench Excavation, Bedding and Backfill.
- B. Measurement and payment for Utility Trenches shall be specified in Section 02315 – Trench Excavation, Bedding and Backfill.
- C. Asphalt Concrete Pavement
 1. Measurement and payment for Asphalt Concrete Pavement shall be made on a tonnage basis, at the unit price stated on the Bid Form. Payment shall include full compensation for all work necessary to prepare and construct the asphalt concrete pavement. There will be no separate measurement of bituminous cements or additives contained in the mixture or used otherwise in the work. Payment will be made only for material incorporated into the specified limits.
 - a. Asphalt Concrete Pavement for utility trenches shall be paid on a tonnage basis, at the unit price stated on the Bid Form. The limits of the trench patching shall be as established herein, including saw cuts. Additional costs for repair of pavement damaged by the Contractor outside the trench and saw cut limits as described herein shall be borne by the Contractor.
 2. A separate ticket shall accompany each load delivered to the job site and shall be given to the Engineer before the load is spread. No ticket will be accepted unless it shows the date, ticket number, driver's name, project name, batch number, truck weight, gross weight and tonnage of asphalt.
 3. All trucks shall be weighed at least once each day while unloaded and weighed while loaded for each trip. Platform scales furnished by the Contractor shall be tested and certified.
- D. Measurement and Payment for Asphalt Concrete Pavement – Path shall be made on a square yard basis for the amount stated on the Bid Form and shall include aggregate

base, grading, backfill, driveway adjustments, curb adjustment and all work necessary to prepare and construct path.

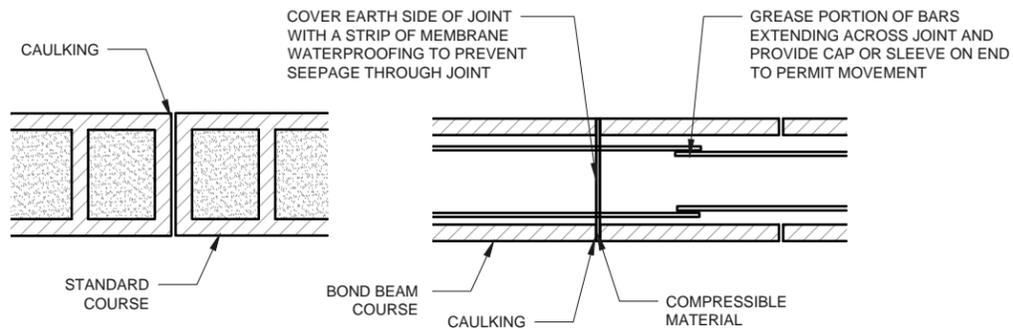
END OF SECTION

AREA DRAIN - DIMENSIONAL DATA										
INSIDE DIAMETER (in.)	OUTSIDE DIAMETER (in.)	WALL THICKNESS (in.)	BELL O.D. (in.)	BELL DEPTH (in.)	GRATE DIAMETER (in.)	GRATE THICKNESS (in.)	WEIGHT PER FOOT (lbs.)	BASE SLAB (lbs.)	MAXIMUM HOLE SIZE (in.)	
18"	24 1/2"	3 1/4"	27 5/8"	3 3/4"	22 3/8"	3 1/2"	225 lbs.	135 lbs.	12"	
24"	31 1/2"	3 3/4"	35 5/8"	3 7/8"	29"	2 3/4"	340 lbs.	235 lbs.	18"	

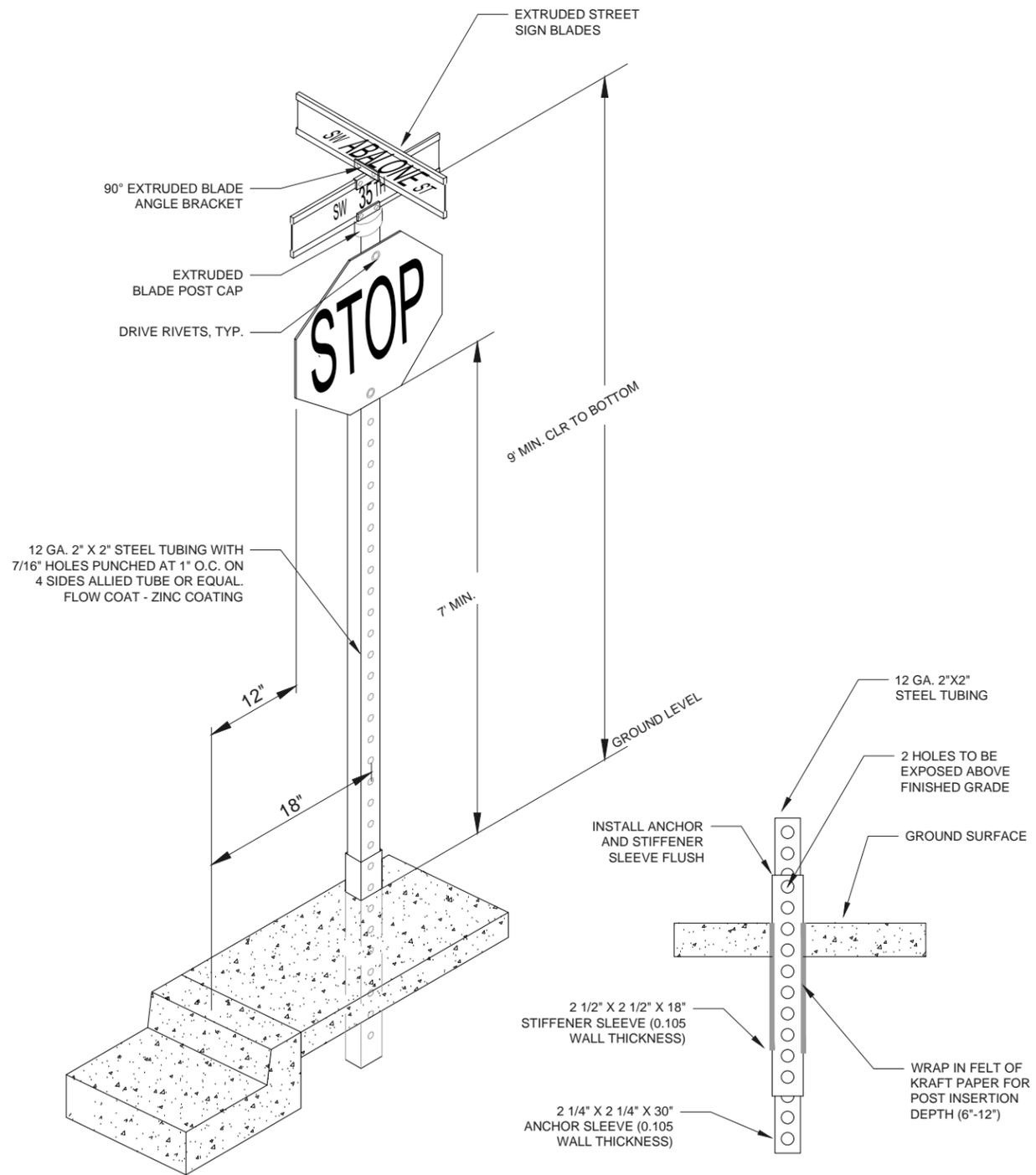


NOTES:
1. GRATES SET INTO BELL / GROOVE RECESS.

1
D12
24" AREA DRAIN
NOT TO SCALE



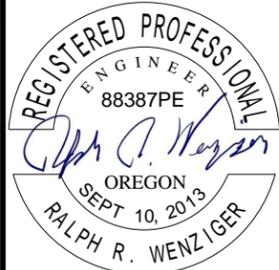
2
D12
TYPICAL EXPANSION JOINT DETAIL
SCALE: NOT TO SCALE



- 01 GREASE PORTION OF BARS EXTENDING ACROSS JOINT AND PROVIDE CAP OR SLEEVE ON END TO PERMIT MOVEMENT
- 02 COVER EARTH SIDE OF JOINT WITH A STRIP OF MEMBRANE WATERPROOFING TO PREVENT SEEPAGE THROUGH JOINT
- 03 PROVIDE 12" THICK OF ANGULAR DRAIN ROCK
- 04 PROVIDE A MINIMUM 12" LEVELING PAD OF COMPACTED CRUSHED ROCK

YIELDING BREAKAWAY ANCHOR
BASE ASSEMBLY

3
D12
STANDARD SIGN DETAIL
NOT TO SCALE



EXPIRATION DATE: 06/30/16

Civil West
Engineering Services, Inc.

609 SW Hubert Street
Newport, Oregon 97365

541-264-7040
www.civilwest.com

REV.	DATE	DESCRIPTION	BY	CHECKED BY
1	7/16/2015	ADDENDUM #5 (AD5)	RRW	MEH
Designed By: RRW			Drawn By: ALF	Checked By: MEH
Project No: 2302-027				

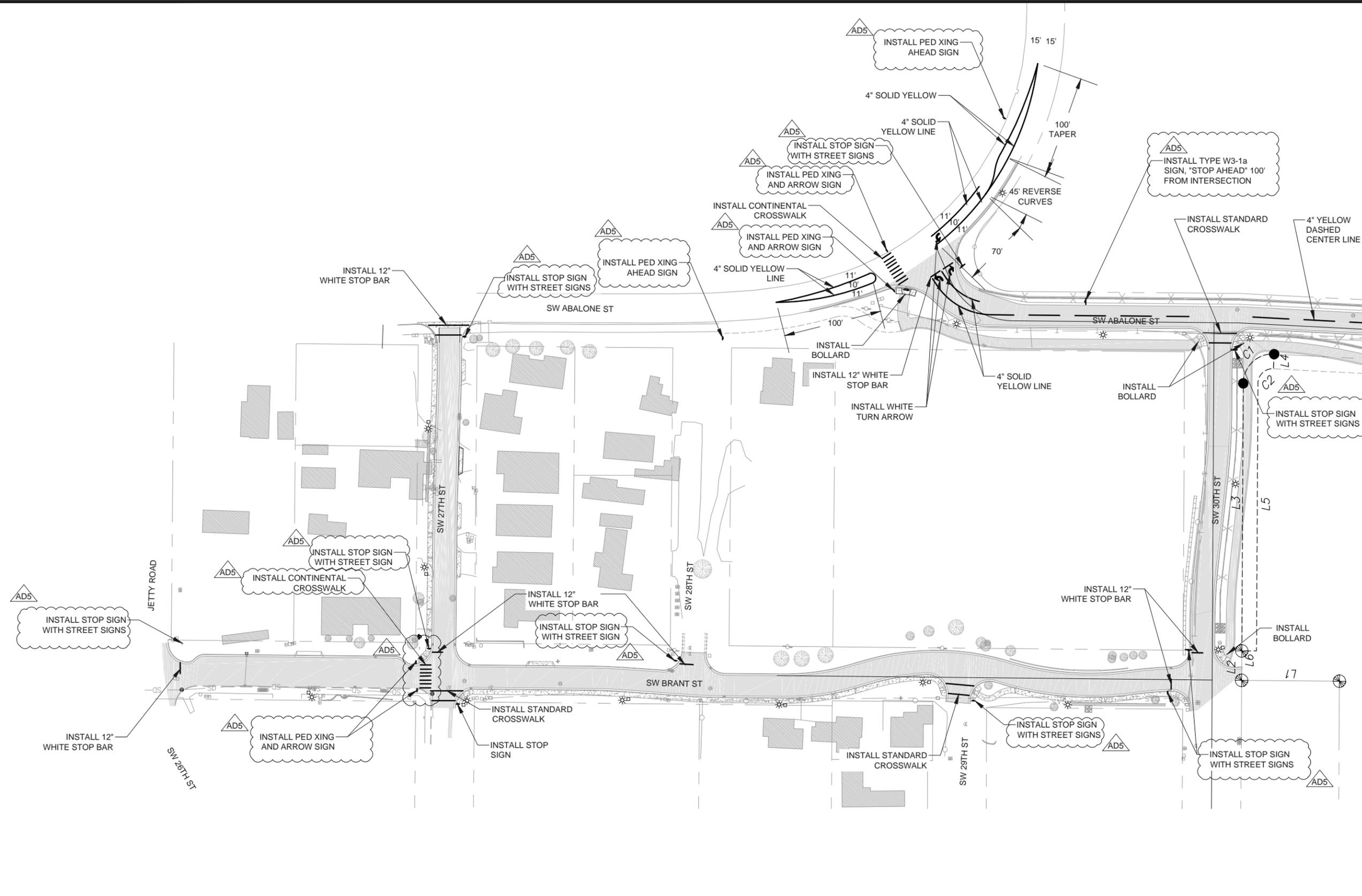
CITY OF NEWPORT
LINCOLN COUNTY, OREGON

SW ABALONE ST. & 30TH ST.
ROADWAY IMPROVEMENTS

STANDARD STREET LIGHT &
STREET SIGN DETAIL

Sheet No: D12
Date: July 2015

DATE: 7/16/15 FILE: Y:\CW_Projects\2302 Newport\2302-027 Newport Abalone and 30th Roadway\Imps\Drawings\2302 Newport Abalone & 30th - DESIGN.dwg



1
D17

STRIPING & SIGN PLAN

1" = 100'

REGISTERED PROFESSIONAL ENGINEER
88387PE
Ralph R. Wenziger
OREGON
SEPT 10, 2013
RALPH R. WENZIGER
EXPIRATION DATE: 06/30/16

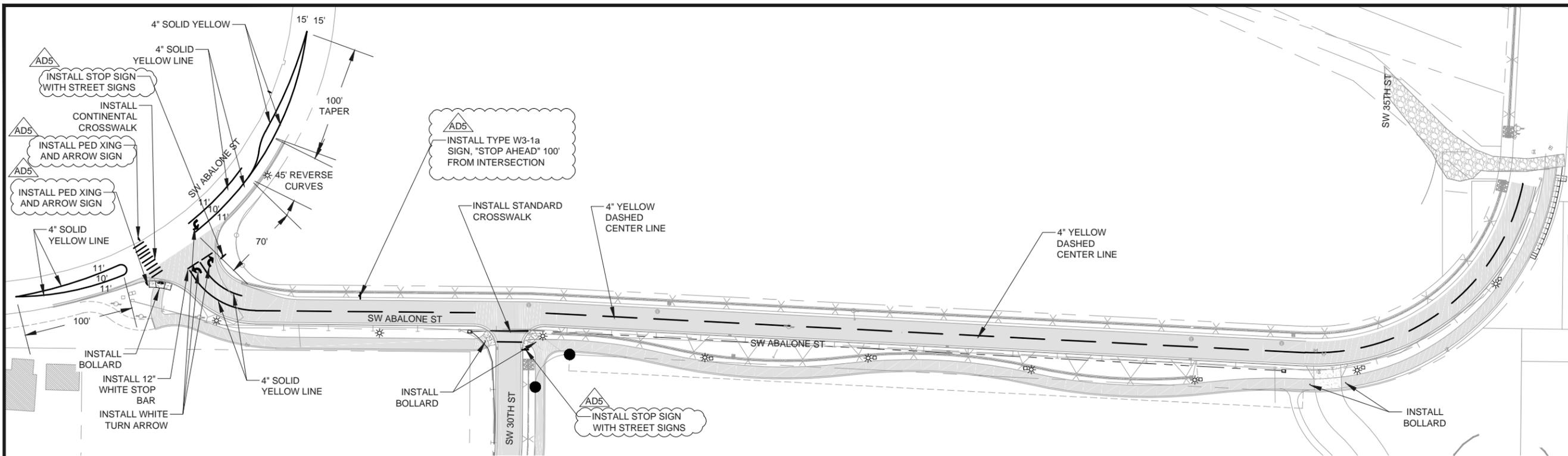
Civil West
Engineering Services, Inc.
609 SW Hurbert Street
Newport, Oregon 97365
541-264-7040
www.civilwest.com

REV.	DATE	DESCRIPTION	BY
1	7/16/2015	ADDENDUM #3 (AD3)	RRW
Designed By:		Drawn By:	Checked By:
RRW		ALF	MEH
Project No:		2302-027	

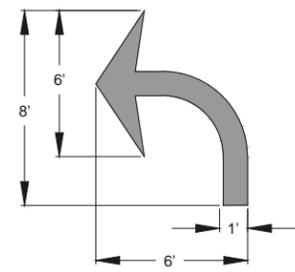
CITY OF NEWPORT
LINCOLN COUNTY, OREGON
SW ABALONE ST. & 30TH ST.
ROADWAY IMPROVEMENTS
STRIPING & SIGN PLAN

Sheet No. **D17**
Date July 2015

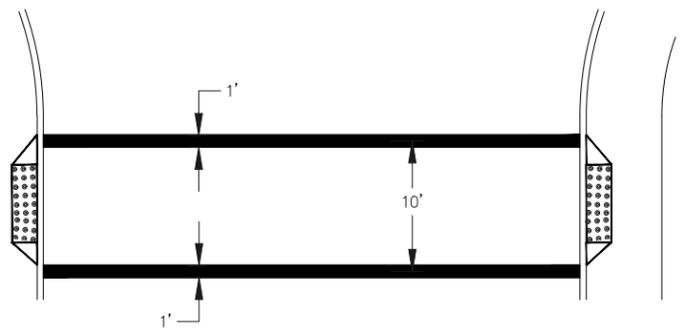
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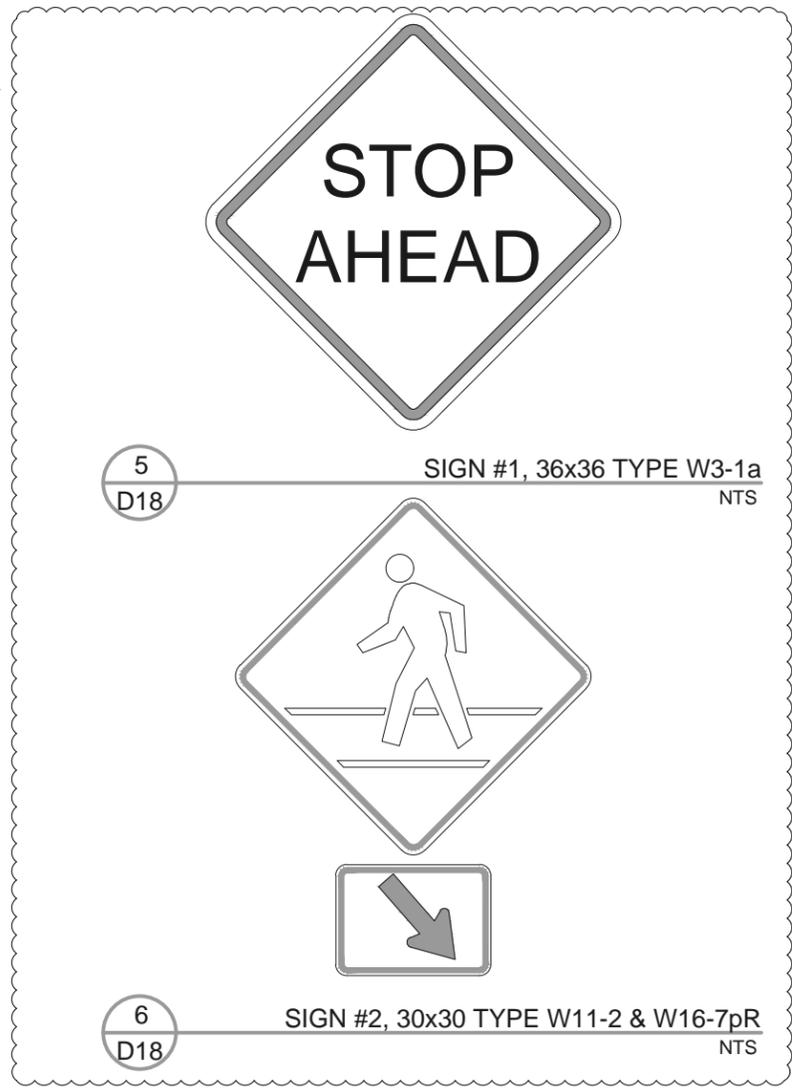
1 STRIPING & SIGN PLAN
D18 1" = 100'



1 WHITE TURN ARROW DETAIL
D18 NTS

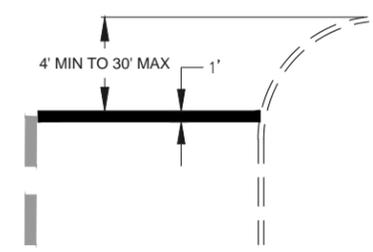


2 STANDARD CROSSWALK TWO 1' WHITE BARS
D18 NTS

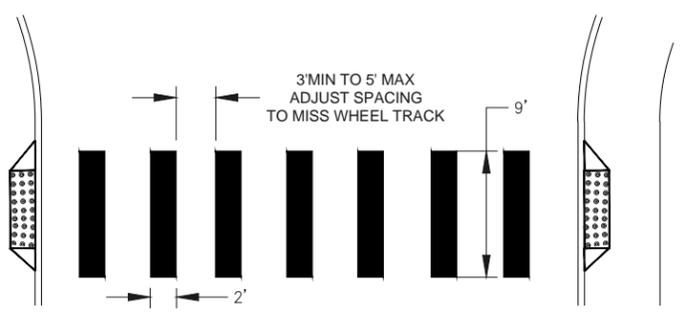


5 SIGN #1, 36x36 TYPE W3-1a
D18 NTS

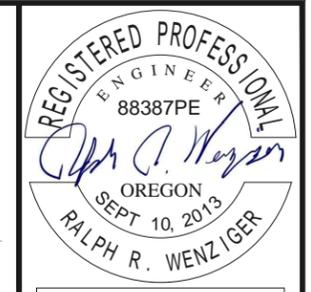
6 SIGN #2, 30x30 TYPE W11-2 & W16-7pR
D18 NTS



3 12" WHITE STOP BAR
D18 NTS



4 STAGGERED CONTINENTAL CROSSWALK 2' BARS
D18 NTS



EXPIRATION DATE: 06/30/16

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REV.	DATE	DESCRIPTION	BY
1	7/16/2015	ADDENDUM #5 (AD5)	RRW

Designed By:	RRW	Drawn By:	ALF	Checked By:	MEH
Project No:		2302-027			

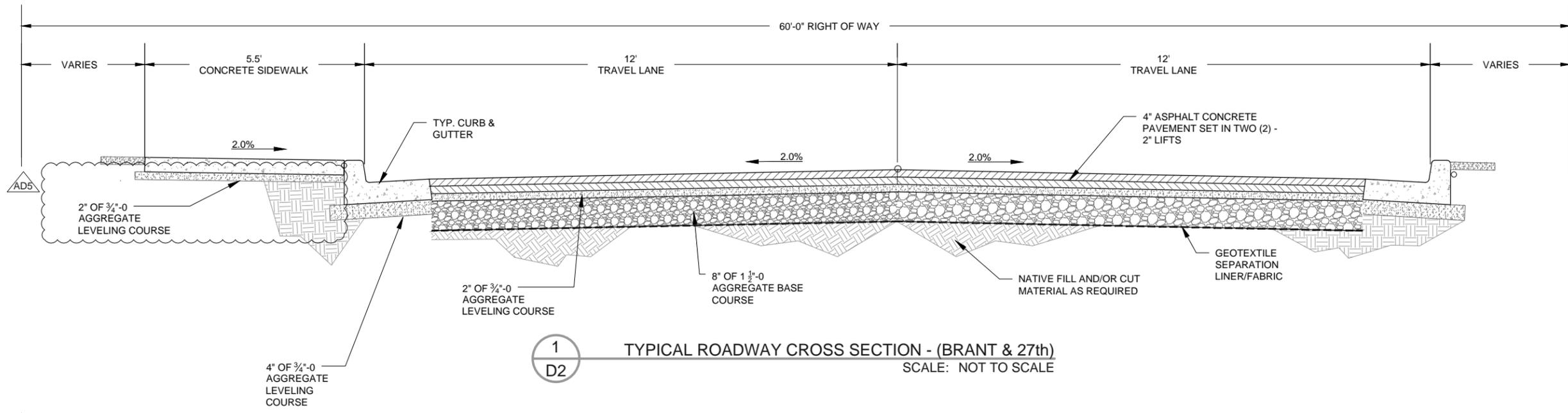
CITY OF NEWPORT
LINCOLN COUNTY, OREGON

SW ABALONE ST. & 30TH ST.
ROADWAY IMPROVEMENTS

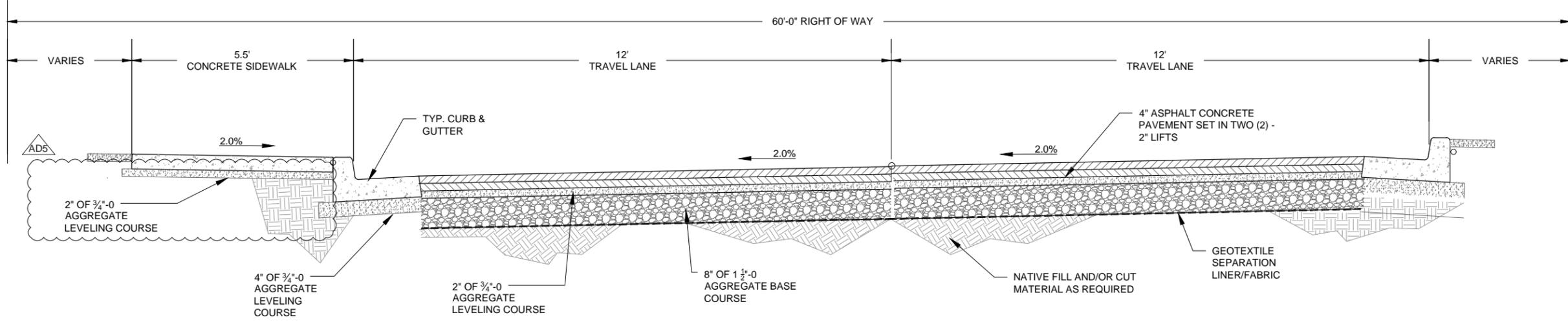
STRIPING & SIGN DETAILS

Sheet No: **D18**
Date: July 2015

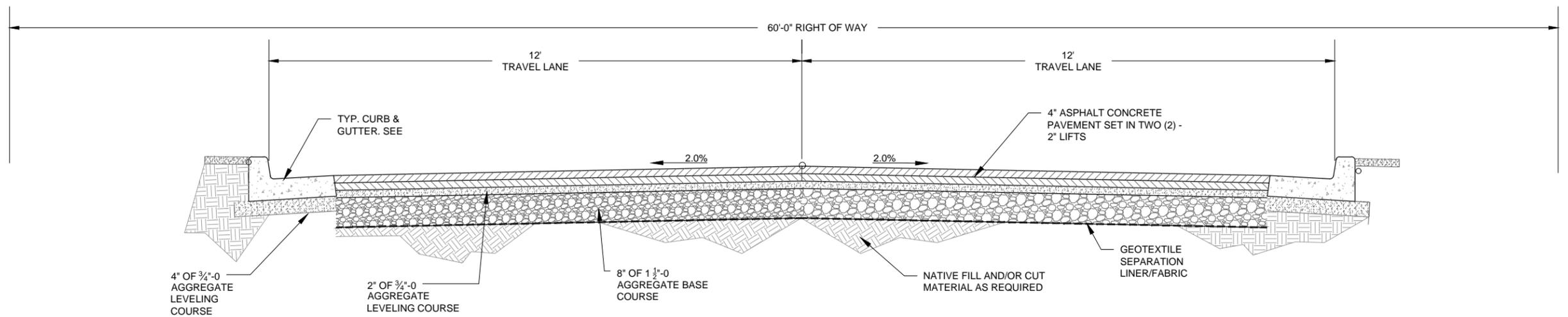
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1
D2 TYPICAL ROADWAY CROSS SECTION - (BRANT & 27th)
SCALE: NOT TO SCALE



2
D2 TYPICAL ROADWAY CROSS SECTION - (27th)
SCALE: NOT TO SCALE



3
D2 TYPICAL ROADWAY CROSS SECTION - (28th & 29th)
SCALE: NOT TO SCALE



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REV.	DATE	DESCRIPTION	BY
1	7/16/2015	ADDENDUM #5 (AD5)	RRW
Designed By: RRW		Drawn By: ALF	Checked By: MEH
Project No: 2302-027			

CITY OF NEWPORT
LINCOLN COUNTY, OREGON
SW ABALONE ST. & 30TH ST.
ROADWAY IMPROVEMENTS
ROADWAY CROSS SECTIONS -
BRANT & 27th ST, 28th & 29th ST

Sheet No: **D2**
Date: July 2015