

April 9, 2012

OREGON DEPARTMENT OF TRANSPORTATION

**INVITATION TO BID
ADDENDUM NO. 2**



BID NO.: 24749

CLOSE DATE: April 24, 2012

TIME: 11:00 AM

DESCRIPTION: Sisters Maintenance Station Relocation

BUYER: Kevin Cassidy, CPPB

This addendum forms a part of the contract documents and modifies, as noted below, the original bidding documents dated February 29, 2012, and becomes a part of the contract documents.

*Acknowledge receipt of this addendum in the space provided on the bottom of this page and return with bidding documents. Failure to do so may be subject to disqualification. Also acknowledge in Section H of the Invitation to Bid.

DESCRIPTION OF BID CHANGES

- Attached to this cover sheet is the details and related documents for Addendum #2

*I hereby acknowledge having received and duly considered the preceding addendum to the specification.

Bidder Name: _____

Authorized Signature: _____

ADDENDUM NO. 2
TO PLANS AND SPECIFICATIONS

Date: April 5, 2012
Revised April 6, 2012

OREGON DEPARTMENT OF TRANSPORTATION
SISTERS
MAINTENANCE STATION RELOCATION
Sisters, Oregon

Project No.: 10-01

GPA Architects LLC
2701 NW Vaughn, Suite 764
Portland, OR, 97210
503-274-7800

See attached R&W Engineering addendum for plumbing, mechanical and electrical addenda.

A. SPECIFICATIONS

1. General Conditions
 - a. General Conditions B.4 – Permits: Owner will pay Deschutes County Construction Building Permits.
2. Division 8: Openings
 - a. 08 5113 Aluminum Windows
 - 1) Change to vinyl windows with nail flange. Performance criteria remains same as specified.
 - 2) Glazing unit thickness may be less than 1” if it meets the performance criteria in this section.
 - 3) Manufacturers:
 - i. Pella
 - ii. Milgard
 - iii. Jeld-Wen
 - iv. Approved substitution.
3. Division 9: Finishes
 - a. 09 5100 Acoustical Ceilings
 - 1) Clarification: Specification remains as is. Ceiling tile is **NOT** “Second Look”.
4. Division 13: Special Construction
 - a. 13 3419 Metal Building Systems
 - 1) 2.04.B Blanket Insulation System...: Change by deleting thermal blocks. The following lists insulation and U-values. The U-values are the maximum allowed and the insulation thickness is our understanding of the minimum necessary to achieve the U-value. It is the Contractor’s responsibility to increase the insulation, if necessary to not exceed the maximum U-value. For roof insulation, use R-19

insulation between purlins and R-11 insulation draped across the top of the purlins for a system U-0.40. For wall insulation use 8" R-25 insulation between girts and 3/16" thermal break tape on the girts to separate the siding from the girts for a system U-0.67. Wall and roof vapor barriers required.

- 2) 2.07.A Roofing: Change to read: "Full length if possible. If not possible, then minimum quantity of transverse joints."

5. Division 14: Conveying Equipment

a. 14 4500: Vehicle Lifts

- 1) Delete vehicle lift.
- 2) Provide all below slab rough in for future installation.

6. Division 31 Earthwork

- a. Contractor has the option to crush on-site for Project specific usage only.
- b. Clarification: Question was raised at Pre-Bid meeting regarding responsibility for removal of top 12" of soil. Contractor is responsible for all earthwork.
- c. Section 2.1 F., Revise **5%** passing the 200 sieve to **15%** passing the 200 sieve.
- d. Section 2.1 G., Revise **10%** passing the #200 sieve to **15%** passing the #200 sieve.
- e. See geotech report for other requirements.
 - 1) Geotech Section 4.4 Slab-on-Grade Floors: Increase the base rock material passing the No.200 sieve from a maximum of 5% to a maximum of 8%.
 - 2) Geotech Section 4.6.1 Native Structural Fill: Increase the material passing the No.200 sieve from a maximum of 10% to a maximum of 15%.
 - 3) Geotech Section 4.6.2 Imported Structural Fill: Increase the material passing the No.200 sieve from a maximum of 5% to a maximum of 15%.
 - 4) Geotech Section 4.6.3 Trench Backfill: Increase the material passing the No.200 sieve from a maximum of 10% to a maximum of 15%.
 - 5) Geotech Section 4.7 Asphalt Pavement: Increase the base rock material passing the No.200 sieve from a maximum of 5% to a maximum of 15%.

B. DRAWINGS

1. Sheet C1.0 Civil Site Plan:

- a. General Keynotes 3, Revise as follows: "3. Install chain link fence, with 3-strand barbed wire and gates per Oregon Standard Drawing (OSD) RD815. Cantilever Gates to be "Comunello" cantilever gates and equipment per the attached edited ODOT specifications. Two gates are to be installed:

West Gate – 28' opening, no operator

East Gate – 30' opening with operator

Contractor to notify Agency Project Manager if width of the access area will not accommodate the proposed equipment to coordinate fence adjustment."

2. See attached Civil drawings sheets C1.0, C2.0, C3.0, C3.1.

3. Sheet C3.1 Details – See Miscellaneous item number 12 below

4. Sheet A1.0 Key Plan & Site Plan:
 - a. Change responsibility for the new landscape buffer ponderosa pines from ODOT to Contractor.
 - b. Provide and install 41 Conifer Trees, 6 - 8 feet height (*Pinus ponderosa*). Install per Tree Staking Detail (Det6100) and standard specifications. Locate trees as shown and obtain approval of location from ODOT Project Manager prior to planting. Maintain new trees in a healthy and vigorous condition for a one-year establishment period.
 - c. See attached Tree Planting and Staking Details drawing. Plant pit backfill to consist of 1/3 soil conditioner (conforming to 01040.15(b) and 2/3 soil mix. Soil mix to consist of ½ native sandy loam soil and ½ imported topsoil (conforming to 01040.14(b)). References are to ODOT standard specifications.

5. Sheet A1.2 Floor Plan and S1.0 Foundation Plan:
 - a. Vehicle lift is "future".
 - b. Provide footings for vehicle lift as designed.
 - c. See Specifications note above.
 - d. Change wall type 3 to indicate two layers of ½" Type X gypsum board each side and with the plywood wainscot over the gypsum board on the vehicle bay side.

6. Sheet A4.0 Maintenance Building – Building Section:
 - a. Clarification: The structure for the roof extension that supports the solar thermal panels is Contractor design. There is no design concept other than the roof shape and that the structure must be steel.

7. Sheet A9.1 Equipment Building – Building Elevations
 - a. No roof overhangs indicated and none required. Use manufacturer's standard edge detail for non-overhang condition.
 - b. Base Bid Clarification:
 - i. Single bay building with pump house shown in Elevation 4. Siding in this elevation is on the far (West) wall and the pump house.
 - ii. North Elevation is Elevation 3. Siding is on the north truss, on the south wall, and on the pump house.
 - iii. South Elevation is Elevation 1 and applies to the base bid.
 - c. Additive Alternate #1 Clarification:
 - i. If the additive alternate is accepted then it includes the base bid bay as well as the remainder of the building.
 - ii. The siding on the truss shown in Elevation 3 will be deleted if the alternate is accepted.
 - iii. The South and North elevations will appear the same (Elevation 1), if the alternate is accepted.
 - iv. Siding shown in Elevation 2 is on the far (West) wall.
 - d. Plywood on interior of perimeter walls is 5/8 inch thick CDX .

C. MISCELLANEOUS

1. Change wall on grid line 6 from non-rated construction to 2-hour UL fire rated construction using Oregon Structural Specialty Code Table 720.1(2) 13-1.2, except studs are according to plans. Change door and frame assemblies for doors 108A, 109A, 115A, and 115B from non-rated to 1 ½ hour fire rated. Reduce relite in door 115A and 115B to maximum of 100 square inches, rectangular shape, approximately 4 inches wide and located on the latch side of the door. Adjust width of door frames and relite frames to fit wall in same manner as presently detailed. Office 103 wall, change relite assembly from non-rated to minimum 2-hour rated with Technical Glass Products FireLite (or approved substitution) in hollow metal frame. Meeting/Crew Rm 102, change relite assembly from non-rated to minimum 1 ½-hour rated with Technical Glass Products FireLite (or approved substitution). 2-hour glazing unit is 2 1/8" thick (verify with manufacturer). 1 ½-hour glazing is 3/16" thick (verify with manufacturer). Fabricate frames for 2-hour rated relite to accept the thickness of the glazing unit. Attached are revised door hardware groups, and wall details.
2. East gate card reader bollard detail is attached.
3. Metal studs substitution: 3 5/8 inch studs may be used instead of 3 1/2 inch studs. Contractor shall make all necessary adjustments necessary to accommodate the 3 5/8 inch studs.
4. A pre-engineered metal building may be substituted for the wood pole equipment building base bid and alternate #1. Metal building structure and foundation design is by the Contractor. Adaptation of all project components to the metal building is the responsibility of the Contractor.
5. Equipment Storage Building Edge Trim: Use manufacturer's standard configuration for the building package.
6. Maintenance Building Edge Trim: Use detail 6/A8.4 for the eaves and use the rake flashing in detail 15/A8.5 for the main roof as well.
7. Mock up: See 13 3419.1.09 and Division 01 for mock up components and requirements.
8. Roof Thermal Blocks: Bid according to the drawings and specifications.
9. Skylight size is written on the roof plan.
10. Delete thermal blocks for the roof and wall systems.
11. Regarding length of fencing: See attached Property Boundary plan.
12. Regarding the water well:
 - a. This is a domestic well. ODOT states that they not require a water right permit.
 - b. For the bid assume well depth of 250 feet. ODOT states that this is based State Water Master information on the average of depth of wells in this area.
 - c. Clarification on gpm: Pump remains as specified. Change note 11 on C3.1 to "Well shall be capable of providing 25 gpm...". See attached sheet. Note 11 has been changed to recognize the reservoir.
13. Adjust all details as necessary for deletion of the thick thermal breaks on the purlins and girts.

D. ACCEPTED SUBSTITUTIONS

1. Automated Logic Direct Digital Controls by Clima-Tech. See attached approved substitution request form.

E. ATTACHMENTS

1. R&W Engineering addendum of plumbing, mechanical and electrical.
2. Civil drawings sheets C1.0, C2.0, C3.0, C3.1.
3. Tree Planting and Staking Details
4. Two 2-hour wall details.
5. Revised door hardware groups.
6. Property Boundary Plan.
7. Gate card reader bollard detail.
8. Gate specification.
9. Approved DDC Substitution.



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ELECTRONIC MEMORANDUM

DATE:..... April 4, 2012 229.976
TO: COMPANY:..... GPA
ATTENTION:.... Bob Schroeder
FROM: Ed Carlisle, P.E. E-mail: ecarlisle@rweng.com
SUBJECT: ODOT Sisters Maintenance Station Relocation - Addendum

Please include the following items in the next addendum for the subject project.

DRAWINGS

Sheets P2.1, P2.2, P4.1, P4.2, M2.1, M3.1, M6.1, M7.1, E2.1, E3.1, E6.1,

Add the following General Note to all drawings: "Wall at Grid 6 is a 2-hour rated wall. All penetrations to be protected as required by code, NFPA and/or AHJ using UL Listed Assemblies, fire caulking or other approved means."

Sheet P0.1

Revise Plumbing Fixture Connection Schedule to reflect the following changes:
Change WC-1 model to "KOHLER K-4368, ADA."
Change LV-1 model to "KOHLER KINGSTON 2005, ADA."
Change SH-1 model to "FIBER-FAB 38H1, ADA."

Revise Control column in Lube Equipment Schedule to change Balcrank Model to 3330-038 for Hydraulics, 40W, 50W, 80/90W, 15/40W, AFT, Antifreeze.

Sheet M0.2

Revise Pump Schedule as follows:
HWP-2: Change flow to 34 GPM.
DWHP-1: Change flow to 4 GPM and model number to IL009.

Sheet M0.3

Revise Ground Source Heat Pump Schedule (Water to Water) to reflect the following changes:

WHP-1: Change Max Flow Load Side to 34 GPM, Change LVG Water Load Side to 119°F.

WHP-2: Change Max Flow Load Side to 4 GPM (240 GPH).

Sheet M1.1 and M3.1

Revise location of ground source heat pump pipes entering building approximately 2 feet to the north.

Add note at ground source heat pump piping entering building to read: "Coordinate exact location of pipes entering building with water backflow vault shown on civil drawings."

Sheet E0.1

Detail 2; Clarification: Detail is provided to indicate method of transition between underground PVC and exposed EMT, IMC, EMT, etc. Exposed PVC is not allowed.

Sheet E1.1

Detail 1; Clarification: (1) 2" CO indicated on each side of entrance drive routed to Radio Room are in Base Bid.

Detail 1; Add: (1) 4" CO between CEC Pole 132732 and Utility padmount transformer. Pole dip (riser) to consist of (2) 4" CO.

Sheet E3.1

Detail 1; Add electrical connection for water vault solenoid valve control panel and vault piping heat trace tape. Provide 120 volt connection to solenoid valve control panel (provided by Civil) in Mechanical Room 109 via 2#12, 1#12 GND in ½" C; Panel 2EQ1-30, spare breaker. Coordinate location of control panel with Civil and Mechanical contractors. Extend same circuit (2EQ1-30; 2#12, 1#12 GND in ½"C) to water vault located approximately adjacent to Radio Tower (Ref E3.1 and C3.0) for piping heat trace. Connect complete. Provide one 1" PVC control conduit between water vault and solenoid valve control panel. Reference Detail 2/E0.1, no exposed PVC.

Sheet E5.1

Detail 4; Clarification: (1) 2" CO indicated on each side of entrance drive routed to Radio Room are in Base Bid.

SPECIFICATIONS

Section 22 7000

Part 2.01 Pumps (Drum Stored Oil) revise the following paragraphs as noted:

C: Pumps shall be capable of free flow delivery of 5.5 GPM or higher at 100 PSI air.

F. Pumps shall cycle at approximately 57 cycles per gallon or less.

M. Pumps shall have an air motor bore of 2.5 inches or greater.

Section 23 7000

Add Part 1.02 paragraph D to read: "All installers of ground source heat pump system to be accredited by The International Ground Source Heat Pump Association

4/4/12

Electronic Memorandum

3

(IGSHPA).”

SUBSTITUTIONS

Accepted:

Automated Logic by Clima-Tech – DDC System 23 0923

Accepted as Noted:

None

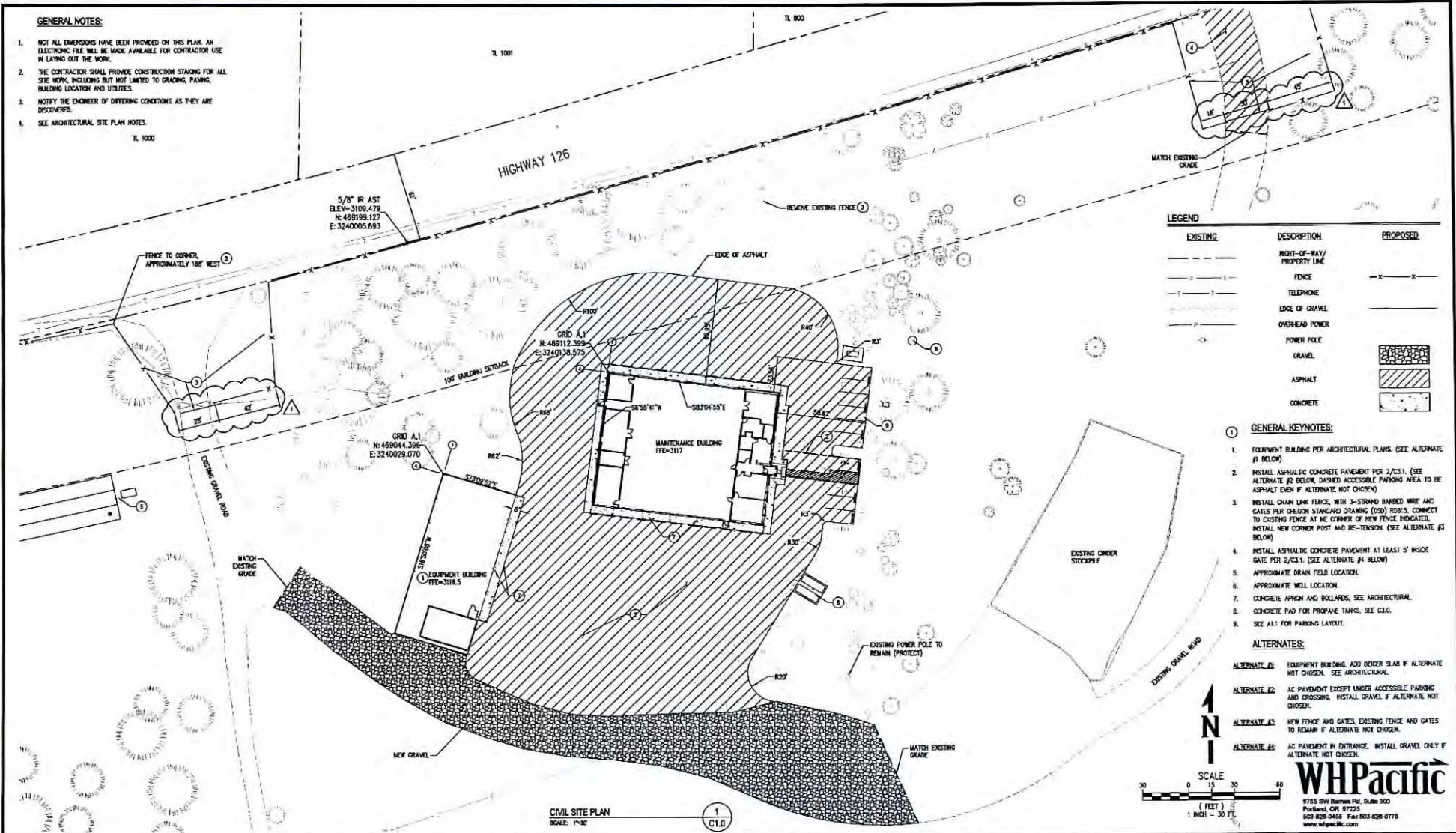
Not Accepted:

None

END OF MEMORANDUM

GENERAL NOTES:

1. NOT ALL DIMENSIONS HAVE BEEN PROVIDED ON THIS PLAN. AN ELECTRONIC FILE WILL BE MADE AVAILABLE FOR CONTRACTOR USE IN LAYING OUT THE WORK.
2. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL SITE WORK, INCLUDING BUT NOT LIMITED TO GRADING, PAVING, BUILDING LOCATION AND UTILITIES.
3. NOTIFY THE ENGINEER OF DIFFERING CONDITIONS AS THEY ARE DISCOVERED.
4. SEE ARCHITECTURAL SITE PLAN NOTES.

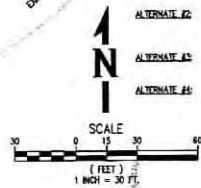


LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	RIGHT-OF-WAY/ PROPERTY LINE	---
---	FENCE	-X-X-
---	TELEPHONE	---
---	EDGE OF GRAVEL	---
---	OVERHEAD POWER	---
---	POWER POLE	---
---	GRAVEL	[Pattern]
---	ASPHALT	[Pattern]
---	CONCRETE	[Pattern]

- GENERAL KEYNOTES:**
1. EQUIPMENT BUILDING PER ARCHITECTURAL PLANS. (SEE ALTERNATE #1 BELOW)
 2. INSTALL ASPHALTIC CONCRETE PAVEMENT PER 2/C3.1. (SEE ALTERNATE #2 BELOW. DASHED ACCESSIBLE PARKING AREA TO BE ASPHALT EVEN IF ALTERNATE NOT CHOSEN)
 3. INSTALL CHAIN LINK FENCE, WITH 3-STRAND BARBED WIRE AND GATES PER OREGON STANDARD DRAWING (OSD) 3035. CONNECT TO EXISTING FENCE AT NE CORNER IF NEW FENCE INDICATED. INSTALL NEW CORNER POST AND RE-TENSION. (SEE ALTERNATE #3 BELOW)
 4. INSTALL ASPHALTIC CONCRETE PAVEMENT AT LEAST 5' INSIDE GATE PER 2/C3.1. (SEE ALTERNATE #4 BELOW)
 5. APPROXIMATE DRAIN FIELD LOCATION.
 6. APPROXIMATE WELL LOCATION.
 7. CONCRETE APRON AND BOLLARDS, SEE ARCHITECTURAL.
 8. CONCRETE PAD FOR PROPANE TANKS, SEE C3.0.
 9. SEE A1.1 FOR PARKING LAYOUT.

- ALTERNATES:**
- ALTERNATE #1: EQUIPMENT BUILDING, ADD DECK SLAB IF ALTERNATE NOT CHOSEN. SEE ARCHITECTURAL.
- ALTERNATE #2: AC PAVEMENT EXCEPT UNDER ACCESSIBLE PARKING AND CROSSING. INSTALL GRAVEL IF ALTERNATE NOT CHOSEN.
- ALTERNATE #3: NEW FENCE AND GATES, EXISTING FENCE AND GATES TO REMAIN IF ALTERNATE NOT CHOSEN.
- ALTERNATE #4: AC PAVEMENT IN ENTRANCE. INSTALL GRAVEL ONLY IF ALTERNATE NOT CHOSEN.



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 www.whpacific.com

DATE	REVISION	BY
04/05/12	ADDENDUM 2	SRM

NOTE: DRAWING PLOTTED AT 11"X17" IS REDUCED 50%

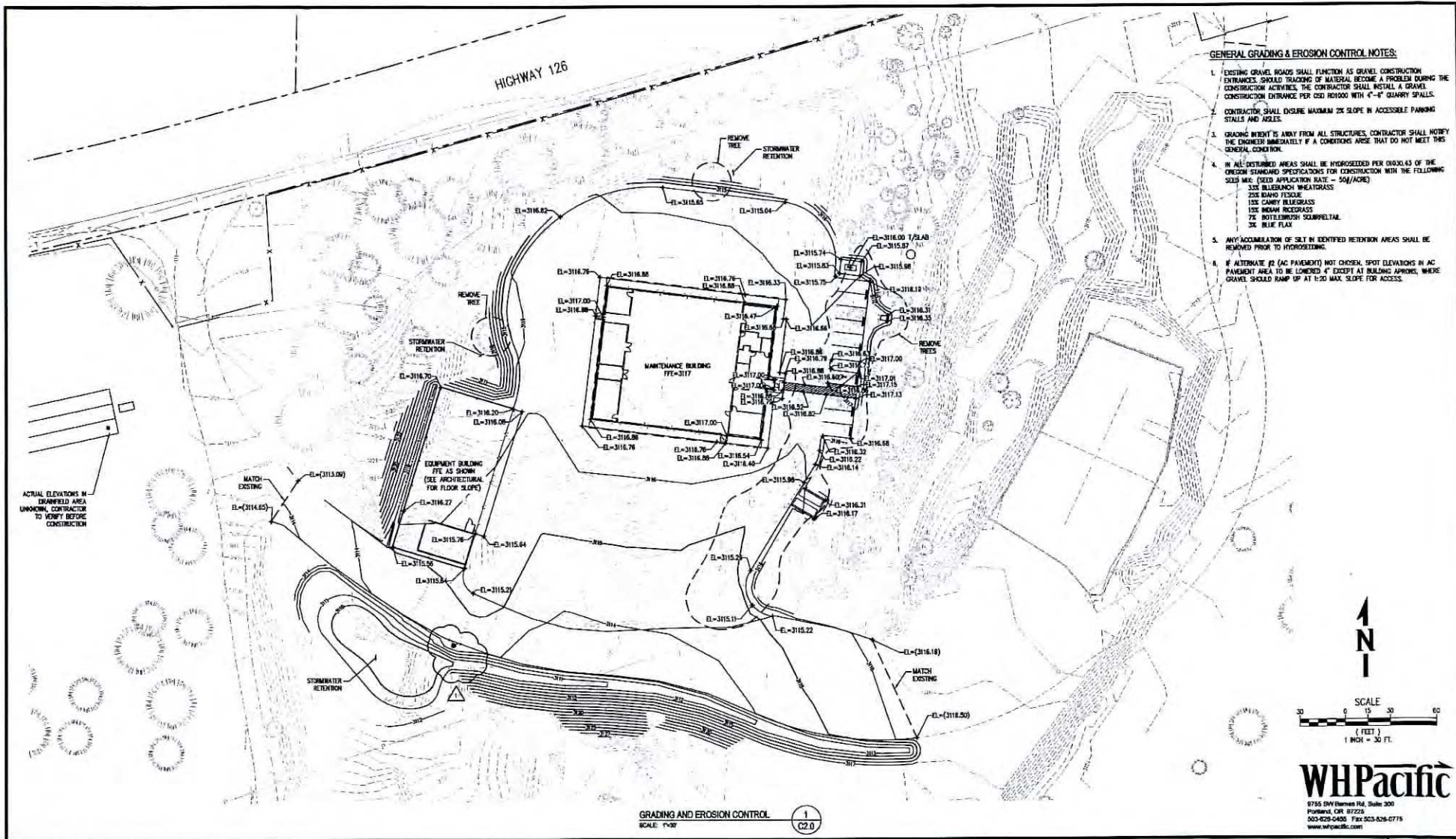
DESIGNED: S. MAXEY
DRAWN: S. MAXEY
CHECKED: M. HIGBEE
INTERVIEW: B. DERRY

REGISTERED PROFESSIONAL

 EXPIRES: 12/31/2012

OR OREGON DEPARTMENT OF TRANSPORTATION
 FACILITIES MANAGEMENT SECTION

FACILITY NO.		SHEET 3 OF 63
DATE	1/27/12	
FILE NUMBER	10001	DRAWING NO. C1.0
	SISTERS MAINTENANCE STATION RELOCATION	



△	DATE	REVISION	BY
△	04/05/12	ADDENDUM 2	SRW

DESIGNED: S. MAXEY
 DRAWN: S. MAXEY
 CHECKED: M. HIGBEE
 REVIEWED: B. BERRY



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 FACILITIES MANAGEMENT SECTION

FACILITY NO.
 DATE: 1/27/12
 FILE NUMBER: 10001

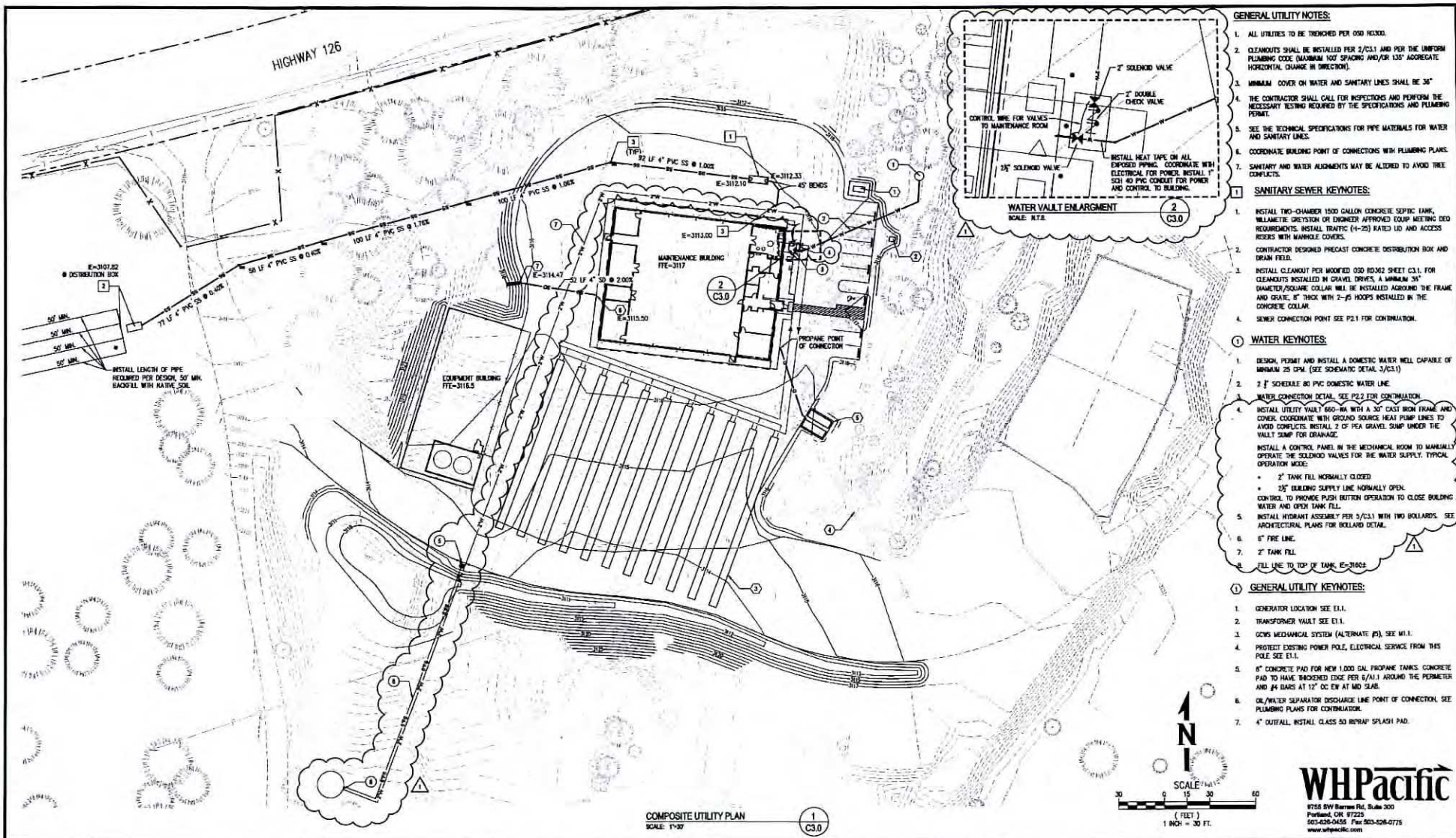
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GRADING AND EROSION CONTROL PLAN
 SISTERS MAINTENANCE STATION
 RELOCATION

SHEET 4 OF 63
 DRAWING NO. C2.0

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- GENERAL UTILITY NOTES:**
1. ALL UTILITIES TO BE TRENCHED PER OSD RECORD.
 2. CLEANOUTS SHALL BE INSTALLED PER 2/C3.1 AND PER THE UNIFORM PLUMBING CODE (MINIMUM 100 SPACING AND/OR 135" AGGREGATE HORIZONTAL DRAINAGE IN DIRECTION).
 3. MINIMUM COVER ON WATER AND SANITARY LINES SHALL BE 36".
 4. THE CONTRACTOR SHALL CALL FOR INSPECTIONS AND PERFORM THE NECESSARY TESTING REQUIRED BY THE SPECIFICATIONS AND PLUMBING PERMITS.
 5. SEE THE TECHNICAL SPECIFICATIONS FOR PIPE MATERIALS FOR WATER AND SANITARY LINES.
 6. COORDINATE BUILDING POINT OF CONNECTIONS WITH PLUMBING PLANS.
 7. SANITARY AND WATER ALIGNMENTS MAY BE ALLOWED TO AVOID TREE TRUNKS.
- 1 SANITARY SEWER KEYNOTES:**
1. INSTALL TWO-CHAMBER 1500 GALLON CONCRETE SEPTIC TANK, WILLAMETTE DESIGN OR ENGINEER APPROVED EQUIP MEETING DEED REQUIREMENTS. INSTALL TRAFFIC (4-25) RATED LID AND ACCESS ROVERS WITH MANHOLE COVERS.
 2. CONTRACTOR DESIGNED PRECAST CONCRETE DISTRIBUTION BOX AND DRAIN FIELD.
 3. INSTALL CLEANOUT PER WOODFORD ODD RD302 SHEET C3.1. FOR CLEANOUTS INSTALLED IN DRIVEWAYS, A MINIMUM 3/4" DIAMETER SQUARE COLLAR WILL BE INSTALLED AROUND THE FRAME AND DRAINIC 4" TRACK WITH 7-15 HOOPS INSTALLED IN THE CONCRETE COLLAR.
 4. SEWER CONNECTION POINT SEE P2.1 FOR CONTINUATION.
- 2 WATER KEYNOTES:**
1. DESIGN, PERMIT AND INSTALL A DOMESTIC WATER WELL CAPABLE OF MINIMUM 25 GPM. (SEE SCHEMATIC DETAIL 3/C3.1)
 2. 2" SCHEDULE 80 PVC DOMESTIC WATER LINE.
 3. WATER CONNECTION DETAIL SEE P2.2 FOR CONTINUATION.
 4. INSTALL UTILITY VAULT 660-BA WITH A 30" CAST IRON FRAME AND COVER. COORDINATE WITH GROUND SOURCE HEAT PUMP LINES TO AVOID CONFLICTS. INSTALL 2" OF PEA GRAVEL SUMP UNDER THE VAULT SUMP FOR DRAINAGE.
 5. INSTALL A CONTROL PANEL IN THE MECHANICAL ROOM TO MANUALLY OPERATE THE SOLENOID VALVES FOR THE WATER SUPPLY. TYPICAL OPERATION WOULD:
 - 2" TANK FILL NORMALLY CLOSED
 - 1/2" BUILDING SUPPLY LINE NORMALLY OPEN
 - CONTROL TO PROVIDE PUSH BUTTON OPERATION TO CLOSE BUILDING WATER AND OPEN TANK FILL.
 6. 6" FIRE LINE.
 7. 2" TANK FILL.
 8. FILL LINE TO TOP OF TANK, E=3102.8
- 3 GENERAL UTILITY KEYNOTES:**
1. GENERATOR LOCATION SEE E1.1.
 2. TRANSFORMER VAULT SEE E1.1.
 3. GWS MECHANICAL SYSTEM (ALTERNATE #5), SEE M.I.I.
 4. PROTECT EXISTING POWER POLE, ELECTRICAL SERVICES FROM THIS POLE. SEE E1.1.
 5. 6" CONCRETE PAD FOR NEW 1,000 GAL. PROPANE TANKS. CONCRETE PAD TO HAVE THICKENED EDGE PER 6/A1.1 AROUND THE PERIMETER AND #4 BARS AT 12" OC EW AT MID SLAB.
 6. OIL/WATER SEPARATOR DISCHARGE LINE POINT OF CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION.
 7. 4" OUTFALL. INSTALL CLASS 50 REINFR SPLASH PAD.

COMPOSITE UTILITY PLAN
SCALE: 1"=30'

DATE	REVISION	BY
04/05/12	ADDENDUM 2	SFM

DESIGNED BY: S. MAXEY
 DRAWN BY: S. MAXEY
 CHECKED BY: M. HIGBEE
 REVIEWED BY: B. BERRY



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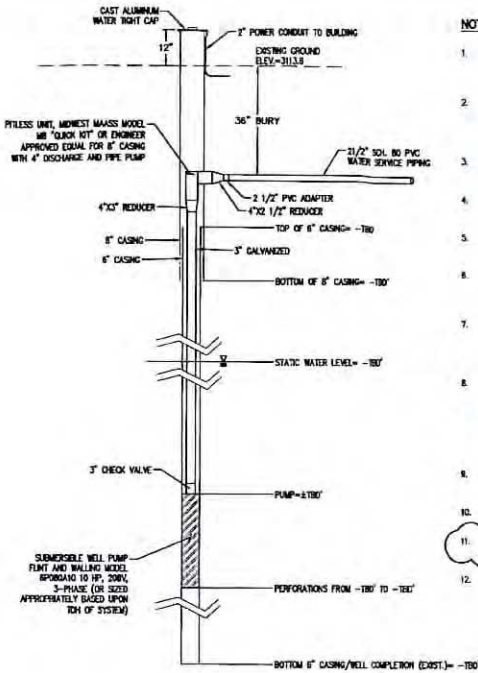
FACILITY NO.		SHEET 5 OF 63
DATE	1/27/12	
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COMPOSITE UTILITY PLAN
 SISTERS MAINTENANCE STATION
 RELOCATION

NOTE: DRAWING PLOTTED AT 11"X17" IS REDUCED 50%

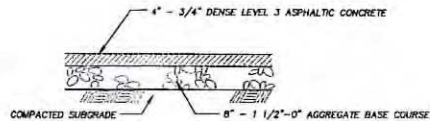
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GPA ARCHITECTS
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 503-274-7888



SUBMERSIBLE WELL DETAIL
SCALE: N.T.S.

1
C3.1



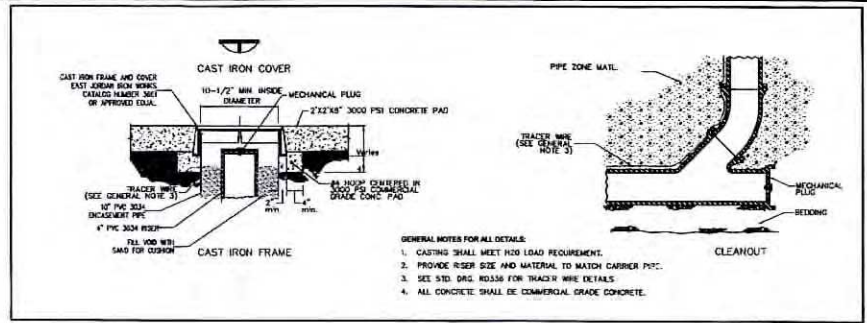
NOTE:
1. REMOVE EXISTING AC PAVEMENT PRIOR TO PLACING FILL.

ASPHALT PAVEMENT SECTION (ALTERNATE #2)
SCALE: N.T.S.

2
C3.1

NOTES:

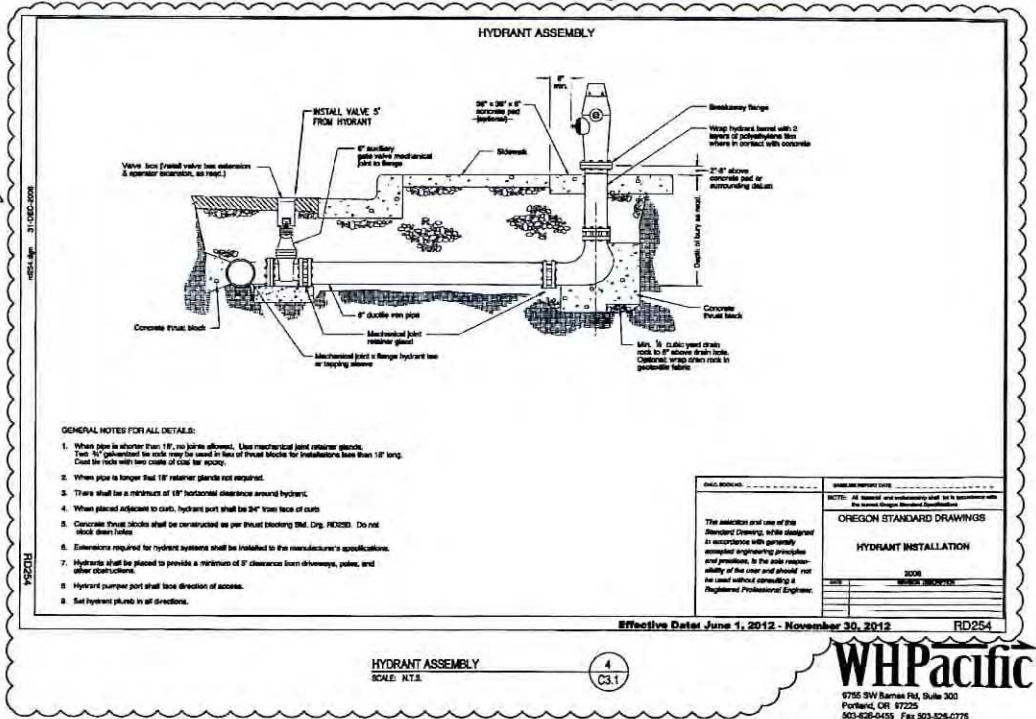
1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM BUILDING CODE, AND OREGON DEPARTMENT OF WATER RESOURCES RULES. ALL MATERIALS, PARTS, COMPONENTS AND APPEARANCES SHALL BE NEW.
2. DIMENSIONS OF MECHANICAL COMPONENTS MAY VARY WITH THE TYPE OF EQUIPMENT SUPPLIED AND MAY AFFECT SPOOL LENGTHS AND OTHER DIMENSIONS. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND MAKE NECESSARY REVISIONS TO ACCOMMODATE DIMENSIONAL VARIABLES.
3. ALL PIPE, FITTINGS, AND VALVES SHALL BE NEW AND SHALL BE AWMA AND NSF APPROVED.
4. ALL WATER PIPE AND FITTINGS IN AND WITHIN 5 FEET OF THE WELL HOUSE SHALL BE METALLIC, WITH A WORKING PRESSURE RATING OF 250 PSI. FLANGES TO BE ANSI 125#.
5. THE MATERIAL LIST COVERS ONLY THOSE ITEMS DESIGNATED ON THE FACE OF THE DRAWING AND SHOULD NOT BE CONSIDERED A COMPLETE LIST OF ALL ITEMS REQUIRED.
6. THE CONTRACTOR SHALL VERIFY POWER SERVICE TO THE PUMP WILL BE COMPATIBLE WITH THE PROPOSED ELECTRICAL EQUIPMENT AND SHALL COORDINATE WITH POWER PROVIDER AS NECESSARY.
7. PIPE BEDDING AND PIPE ZONE SHALL BE 3/4\"-0\". PIPE BEDDING SHALL BE PLACED OR WORKED TO A MINIMUM DEPTH OF 4 INCHES BELOW AND 12 INCHES ABOVE THE PIPE. PROVIDE 12 GA. INSULATED ELECTRICALLY CONTINUOUS TRACER WIRE AND ALLEN DETECTION TAPE.
8. ALL FRENCH BASTIFF OR EQUIVALENTS WITHIN PUBLIC WAYS, UNDER STRUCTURES OR AREAS TO BE PAVED, SHALL BE CONSIDERED CLASS \"A\" AND COMPACTED TO 95% OF OPTIMUM DENSITY AS DETERMINED BY ASTM D1557. AREAS OUTSIDE OF PAVING SHALL BE CONSIDERED CLASS \"A\" UNLESS OTHERWISE NOTED, AND COMPACTED TO 90% OF OPTIMUM DENSITY. PIPE OR UTILITY BEDDING SHALL BE PLACED OR WORKED TO A MINIMUM DEPTH OF 4 INCHES BELOW AND 12 INCHES ABOVE THE PIPE OR CABLE. BEDDING SHALL BE GRANULAR SOILS WITH NO ROCK.
9. ELECTRICAL CONDUITS SHALL HAVE A MINIMUM 3.0 FEET HORIZONTAL SEPARATION FROM WATER SERVICE PIPING.
10. THE TOP OF THE WELL CASING SHALL BE SEALED WATER TIGHT.
11. PUMP SHALL BE CAPABLE OF FRONTING 25 GPM TO BUILDING AND TO TANK FILL AT ELEVATION 3110.
12. THE CONTRACTOR OBTAIN PERMITS AND APPROVALS FOR THE WELL AND SHALL INSTALL, TEST, AND CONFIRM PUMPING EQUIPMENT.



SANITARY CLEANOUT
SCALE: N.T.S.

3
C3.1

MODIFIED ODOT DETAIL RD362



- GENERAL NOTES FOR ALL DETAILS:**
1. When pipe is shorter than 18\"/>
 2. When pipe is longer than 18\"/>
 3. There shall be a minimum of 18\"/>
 4. When placed adjacent to curb, hydrant port shall be 24\"/>
 5. Concrete thrust blocks shall be constructed as per thrust blocking (M.C. Div. #2202). Do not block them later.
 6. Extensions required for hydrant systems shall be installed to the manufacturer's specifications.
 7. Hydrants shall be placed to provide a minimum of 8' clearance from driveways, poles, and other obstructions.
 8. Hydrant purser port shall face direction of access.
 9. Set hydrant plumb in all directions.

HYDRANT ASSEMBLY
SCALE: N.T.S.

4
C3.1

<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION							<p>PROJECT INFORMATION</p> <p>NOTE: All material and workmanship shall be in accordance with the latest Oregon Revised Statutes.</p> <p>OREGON STANDARD DRAWINGS</p> <p>HYDRANT INSTALLATION</p> <p>DATE: 2008</p> <p>DRAWN BY: [Signature]</p>
NO.	DATE	DESCRIPTION								

Effective Date: June 1, 2012 - November 30, 2012 RD254

WHPacific
6755 SW Barnes Rd, Suite 300
Portland, OR 97225
503-658-0455 Fax 503-428-4775
www.whpacific.com

DATE	REVISION	BY
04/05/12	ADDENDUM 2	SRM

DESIGNED: S. MAXEY
DRAWN: S. MAXEY
CHECKED: M. HIGBEE
REVIEWED: B. BERRY



OREGON DEPARTMENT OF TRANSPORTATION
FACILITIES MANAGEMENT SECTION

FACILITY NO. [Blank]
DATE: 1/27/12
FILE NUMBER: 10001
SISTERS MAINTENANCE STATION RELOCATION

GPA ARCHITECTS
2701 NW Vaughn, Suite 704
Portland, OR 97218
503-274-7800

SHEET 6 OF 63
DRAWING NO. C3.1

NOTE: DRAWING PLOTTED AT 11"x17" IS REDUCED 50%

ROADSIDE DEVELOPMENT TYPICAL DETAILS

GENERAL PLANTING NOTES:

- Ensure That Trees Are Planted Beyond The "Clear Zone". Verify With The Engineer Prior To Planting.
- Adjust Planting Locations So That Vegetation Doesn't Conflict With Above - Or Below-ground Utilities.
- Locate Underground Utility Lines Prior To Digging Tree Holes.
- Adjust Plant Locations To Avoid Conflict With Traffic Sight Lines And Signs Or Other Appurtenances.
- See 'American Standard For Nursery Stock' For Plant Quality Minimum Standards Such As Size Of Root Ball Or Caliper Of Trunk.
- All Dimensions Shown On Details Are Minimum Dimensions.
- See Plant List Or Special Provisions For Plant Material That May Need To Be Wild-Collected Or Contract-Grown.

TREE STAKING NOTES:

Furnish Tree Stakes On All Tree Plantings. Stakes To Be Construction Grade, Rough Sawn Or Finished Douglas Fir Or Pine, Stain With An Approved Green Penetrating Oil. Stake Size Is To Be 1 1/2" x 1 1/2" By The Following Lengths:

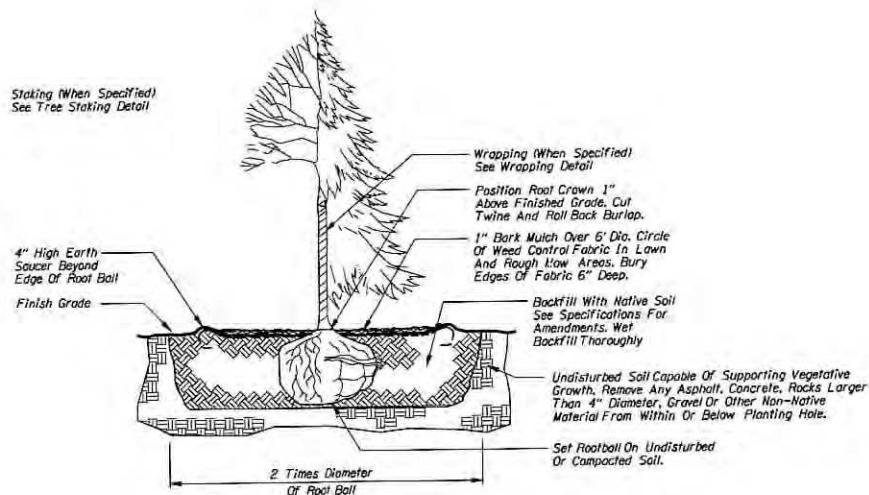
- Trees 36" And Shorter - Use One - 6' (Approx.) Stake.
- Trees Taller Than 36" - Use Two - 8' (Approx.) Stakes.

Drive Stakes Vertically And At Least 12" Into Undisturbed Soil. Do Not Drive Stakes Thru Root Ball. Locate Stakes To Best Resist Prevailing Winds Where Possible.

Tree Ties To Be Either:

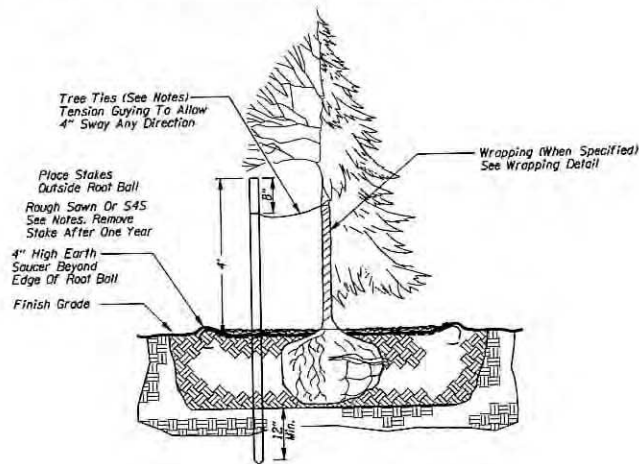
- Plastic Chain Type, Approximately 1" Width By 1/8" Depth. Where Two Stakes Are Required, Cross The Ties Between Stakes And Wrap Tie Once Around Tree. Fasten Securely To Stake.
- Rigid Guy System As Manufactured By Alpine Nursery, Boring, Oregon. The Galvanized Wire Is To Be Approximately 1/8" In Thickness And 24" In Length. There Is To Be A Plastic Sleeve Over The Portion That Goes Around The Tree. The Wire Tie Is To Go Thru The Wood Stake And Be Securely Fastened.

Staking (When Specified)
See Tree Staking Detail



TREE PLANTING

(All Forms Except Bareroot)



TREE STAKING DETAIL

(All Forms Except Bareroot)

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

TREE PLANTING AND
STAKING DETAILS

DETAIL NO.

DET6100

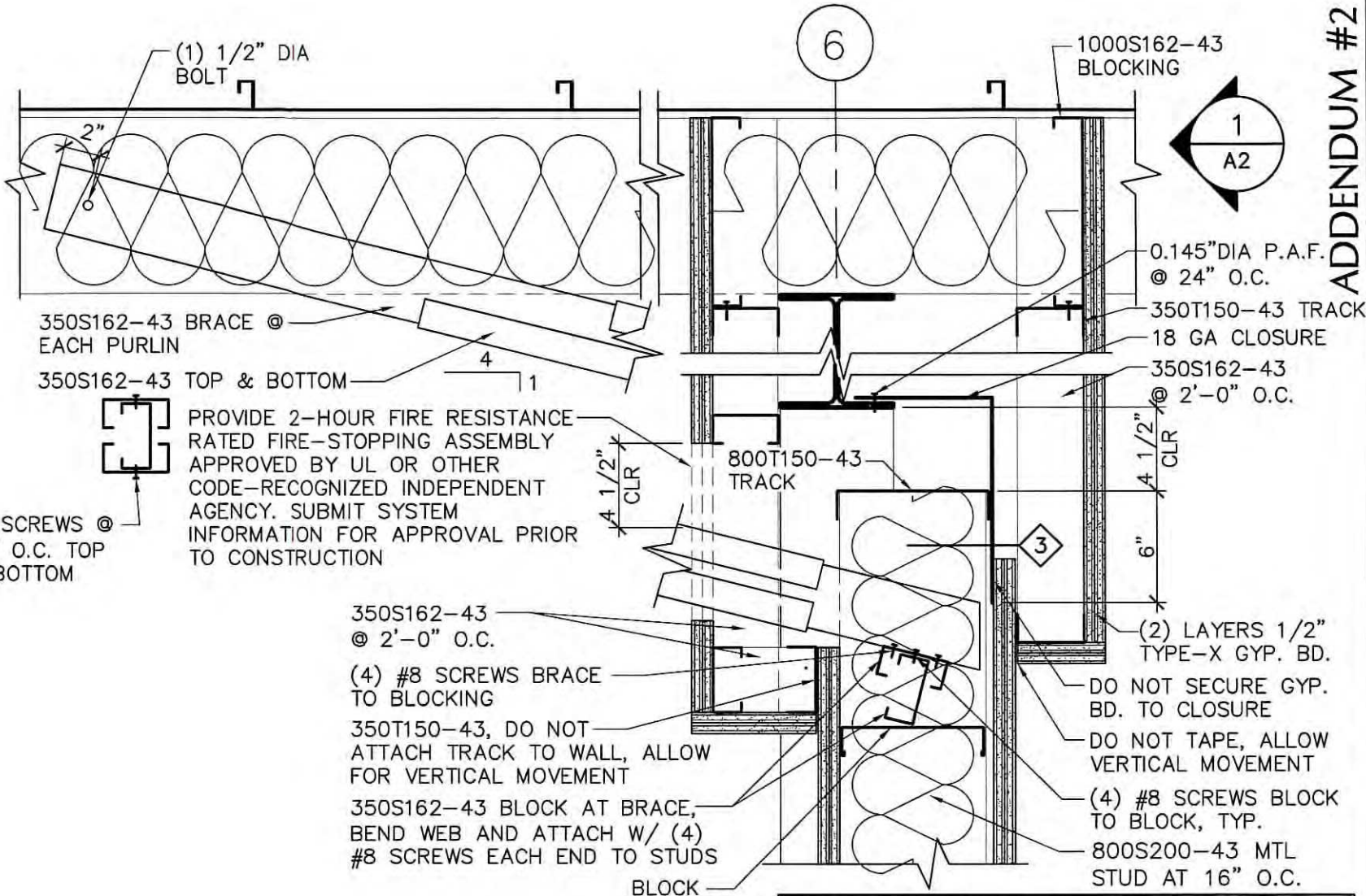
ADDENDUM #2

Date: 04/05/12
 Proj. No.: 10-001

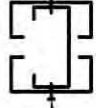
GPA ARCHITECTS, LLC
 2701 NW Vaughn Suite 764 Portland OR 97210
 503-274-7800 Phone 503-274-7800 Fax

SISTERS MAINT. FACILITY
 16415 HWY 126
 SISTERS, OREGON

A1



#8 SCREWS @
 24" O.C. TOP
 & BOTTOM



PROVIDE 2-HOUR FIRE RESISTANCE
 RATED FIRE-STOPPING ASSEMBLY
 APPROVED BY UL OR OTHER
 CODE-RECOGNIZED INDEPENDENT
 AGENCY. SUBMIT SYSTEM
 INFORMATION FOR APPROVAL PRIOR
 TO CONSTRUCTION

350S162-43
 @ 2'-0" O.C.
 (4) #8 SCREWS BRACE
 TO BLOCKING
 350T150-43, DO NOT
 ATTACH TRACK TO WALL, ALLOW
 FOR VERTICAL MOVEMENT
 350S162-43 BLOCK AT BRACE,
 BEND WEB AND ATTACH W/ (4)
 #8 SCREWS EACH END TO STUDS
 BLOCK

(2) LAYERS 1/2"
 TYPE-X GYP. BD.
 DO NOT SECURE GYP.
 BD. TO CLOSURE
 DO NOT TAPE, ALLOW
 VERTICAL MOVEMENT
 (4) #8 SCREWS BLOCK
 TO BLOCK, TYP.
 800S200-43 MTL
 STUD AT 16" O.C.

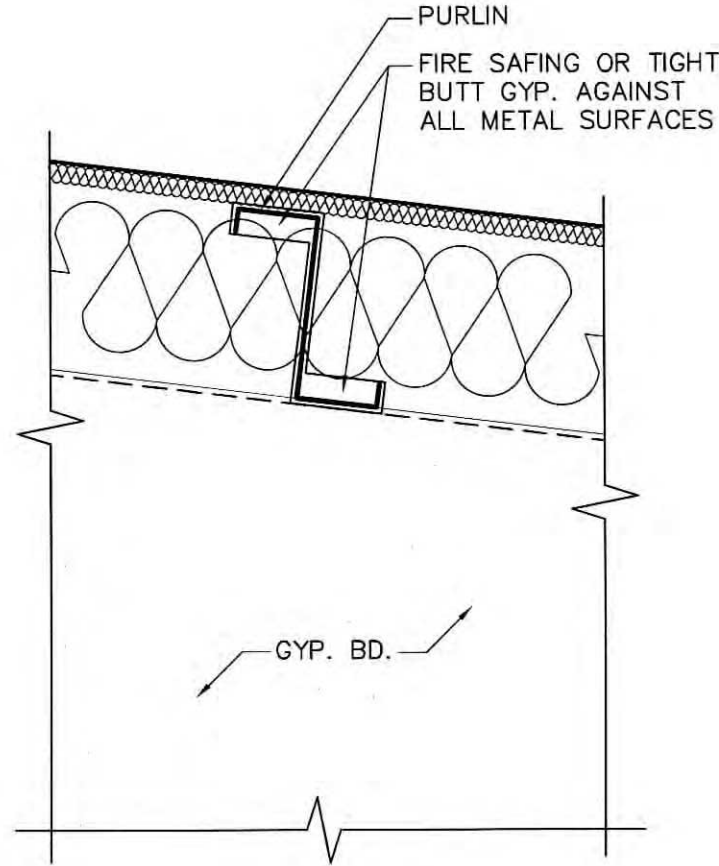
OSSC TABLE 720.1(2) NUMBER 13-1.2: USE STUDS AS INDICATED
 IN DRAWINGS AND SPECIFICATIONS, HOWEVER, MINIMUM
 FIRE-RESISTANCE ASSEMBLY REQUIREMENTS MUST BE MET.
 0.018" (NO. 25 CARBON SHEET STEEL GAGE) CHANNEL-SHAPED
 STUDS 25" ON CENTER WITH TWO FULL-LENGTH LAYERS OF 1/2"
 TYPE X GYPSUM WALLBOARD APPLIED VERTICALLY EACH SIDE.
 FIRST LAYER ATTACHED WITH 1"-LONG, NO. 6 DRYWALL SCREWS,
 8" ON CENTER AROUND THE PERIMETER AND 12" ON CENTER ON
 THE INTERMEDIATE STUD. SECOND LAYER APPLIED WITH VERTICAL
 JOINTS OFFSET ONE STUD SPACE FROM FIRST LAYER USING
 1-5/8" LONG, NO. 6 DRYWALL SCREWS SPACED 9" ON CENTER
 ALONG VERTICAL JOINTS, 12" ON CENTER AT INTERMEDIATE STUDS
 AND 24" ON CENTER ALONG TOP AND BOTTOM RUNNERS.

1
 A1

**FULL HEIGHT WALL BRACING
 GRID 6 - 2HR WALL**

SCALE: 1-1/2" = 1'-0"

ADDENDUM #2



1 GYP. BD. @ PURLIN
A2 SCALE: 1-1/2"=1'-0"

Date: 04/05/12
Proj. No.: 10-001

GPA ARCHITECTS, LLC
2701 NW Vaughn Suite 764 Portland OR 97210
503-274-7800 Phone 503-274-7800 Fax

SISTERS MAINT. FACILITY
16415 HWY 126
SISTERS, OREGON

A2

HARDWARE SETS ADDENDUM 2

The following hardware groups replace those in the project specifications.

HW SET: 08
DOOR NUMBER:
108A

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070L 17A	626	SCH
1	EA	MORTISE CYLINDER	PROVIDED BY OWNER	626	MED
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CVX	630	IVE
1	SET	SEALS	5050B (HEAD & JAMBS)	BRN	NGP
1	EA	DOOR SWEEP	600A	AL	NGP
1	EA	THRESHOLD	513	AL	NGP

HW SET: 09
DOOR NUMBER:
109A

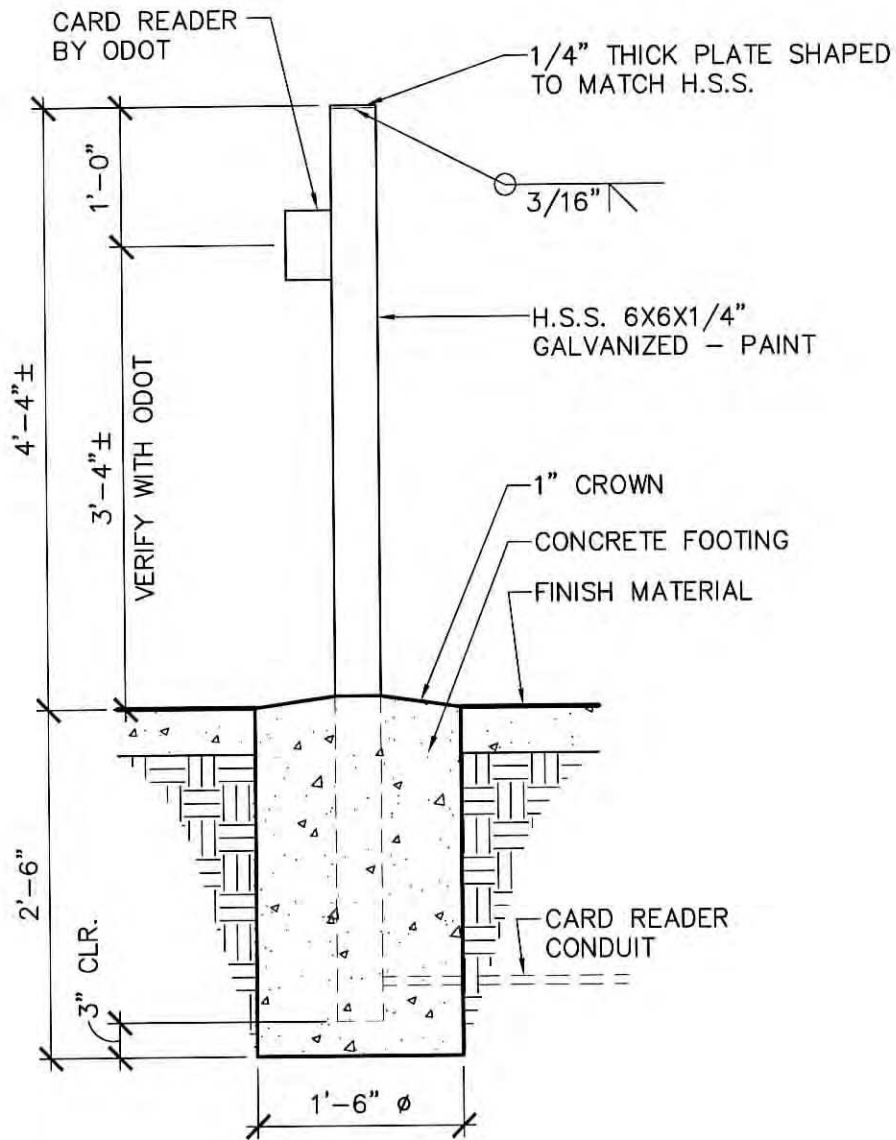
EACH TO HAVE:

6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	PASSAGE SET	L9010 17A	626	SCH
1	EA	COORDINATOR	COR X FL	628	IVE
1	EA	Z ASTRAGAL	PROVIDED BY DOOR MANUFACTURER	600	
2	EA	DELAYED CLOSER	4011 DEL	689	LCN
2	EA	OVERHEAD STOP	100S	630	GLY
1	SET	SEALS	2525B (ASTRAGAL)	BRN	NGP
1	SET	SEALS	5050B (HEAD & JAMBS)	BRN	NGP

HW SET: 13
DOOR NUMBER:
115A

EACH TO HAVE:

3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PASSAGE SET	L9010 17A	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	5050B (HEAD & JAMBS)	BRN	NGP
1	EA	DOOR SWEEP	600A	AL	NGP
1	EA	THRESHOLD	513	AL	NGP



1 BOLLARD W/ CARD READER
 A3 SCALE: 3/4" = 1'-0"

ADDENDUM #2

A3

SISTERS MAINT. FACILITY
 16415 HWY 126
 SISTERS, OREGON

GPA ARCHITECTS, LLC
 2701 NW Vaughn Suite 764 Portland OR 97210
 503-274-7800 Phone 503-274-7800 Fax

Date: 04/05/12
 Proj. No.: 10-001

Sisters Maintenance Station - Gate and Access Controls

Prior to the start of work Contractor shall provide the following to the Project Manager:

- A. Copies of Certificates for each installer required by Access Control manufacturer to verify certification of training and qualifications necessary to perform installation e.g. *Lenel*.
- B. Documentation validating **Equipment Installer Qualifications** required and noted below.

Use of Brand names:

Any brand or trade names used by ODOT in bid specifications are for the sole purpose of describing and establishing the standard of quality, performance, or characteristics desired and are not intended to limit or restrict competition. The only exception is the *Comunello* cantilevered truck and roller gate assembly, *Lenel/NEDAP* access control equipment which is necessary because of compatibility requirements. Contractors may submit bids for substantially equivalent products for other designated items identified in the document; however, all such brand substitutions shall be at the sole discretion of ODOT. Any bid submittal proposing to use equipment other than what is specified shall be accompanied with manufacturer cut sheets and other supporting documentation sufficient to show without question that it is of equal or superior quality. It will be the sole responsibility of the Bidder to provide this information with their bid submittal in a clear and concise fashion.

Failure to provide this information with Bid Submittal documents shall be grounds for bid rejection.

Field Measurements:

Contractor shall be solely responsible for determining site layout, measurements, and ensuring interoperability of all components associated with this project; this shall include but not be limited to, existing site or structural conditions, dimensions, distances, trenching routes, and termination points, etc., required for the following:

- fabrication/installation of gates and fence components/hardware
- installation of gate controller and pad placement;
- installation of power sources, conduit, wiring and connections;
- installation of access control equipment/components/programming;

Project Scope: *(The following shall not be considered a definitive narrative of the work nor shall it identify all materials required to complete the project or be limited by the following descriptions; it will be the Contractor's sole responsibility to design, layout, implement and complete all work necessary for each facet of the project to ensure proper integration, function and operation.)*

This project has three facets, installation of Cantilever Drive-Through Gate with or without Electric Gate Operator depending on location; Installation of high and low voltage electrical and Access Control equipment and components, if required.

Project shall consist of the following:

Gate:

The fabrication and installation of a new *Comunello* cantilevered gate with high cycle *Comunello* cantilever rollers, roller truck assembly, mounting and other miscellaneous hardware components and fasteners, posts, fencing/fabric, bracing and all associated safety devices, loops, and detectors. Gate and installation shall conform to ASTM F-1184 standards for aluminum, cantilever slide gates Type II, Class 2 and Attachment C. Fencing fabric, posts, railing, bracing, 3-strand barbed wire with brackets and associated hardware shall match new fence height grade and style. Fence construction shall meet or exceed all applicable ASTM requirements.

Gate Controller, Exit Loops & Safety Devices:

Installation of a gate operator attached to a rebar reinforced poured in place concrete pad per manufactures specifications. Installation of all gate safety devices e.g. edge contact sensors with transmitters & receiver, infrared photocells, and free exit and safety loops, as required by standards/requirements referenced below.

Loops shall meet ODOT specification requirements and standards.

Access Control:

Installation of Owner provided *Lenel* control panel and interface modules, Contractor provided enclosure, power supply, etc. These will be mounted on a Contractor installed ½” **plywood backboard** inside Radio room of the Maintenance Station.

Installation of card reader is by ODOT.

This equipment shall be integrated with gate operator, access control system. Owner provided *Lenel* LNL-500 will be connected by Contractor to nearest ODOT network switch by a blue jumper cable.

Equipment Installer Qualifications:

Gate and Controller: (Requires a minimum three (3) years of verifiable commercial experience, success and in-service performance of this type of work and equipment installation)

Requires a company experienced in successfully installing automated cantilevered sliding gates and controllers similar in design, manufacturer, and scope as proposed in this Project.

Access Control: (Requires a minimum five (5) years of verifiable commercial experience, success and in-service performance of this type of work and equipment installation)

Requires a *Lenel* certified installation company (VAR*) who has successfully completed the installation, programming, and interfacing of *Lenel/HID* access control and audio/intercom equipment with automated gate systems. At a minimum 1 Master certified *Lenel* installer shall be on-site during this facet of the project. (See list of *Lenel* authorized installer Attachment B)

Electrical: (Requires a minimum three (3) years of verifiable commercial experience, success and in-service performance in the Electrical construction trade)

Standards/Requirements/Guidelines for Project:

All work shall include but not be limited to meeting or exceeding the following:

- All applicable Federal, State and Local rules and regulations related this type and scope of work
- Equipment Manufacturer guidelines
- Oregon Electrical Specialty Code/ National Electrical Code
- Oregon Fire Code
- Underwriters Laboratory Gate Operator requirements (UL 235)
- ASTM F 2200-02 Standard Specification for Automated Vehicular Gate Construction
- Chain Link Fence Manufacturers Institute (CLFMI)
- ASTM F 1184 Standard Specification for Industrial and Commercial Cantilever Gates, Type II, Class 2
- ASTM F 567
- ASTM A120
- ASTM A153
- ASTM F1043
- American Welding Society AWS D1.2 Structural Welding Code. See 2.01 D and 2.03 D.
- Attachment A - Cantilever Gate System
- Manufacturer Certification Requirements

See the following specifications for additional information:

http://www.oregon.gov/ODOT/HWY/SPECS/docs/08book/08_00900.pdf

General info:

- 00990.43(b)

http://www.oregon.gov/ODOT/HWY/SPECS/docs/08book/08_02000.pdf

Material Spec's:

- loop wire – 02920.23 last bullet
- loop feeder – 02920.22 6th bullet

Standard Drawing regarding loops & installation.

ftp://ftp.odot.state.or.us/techserv/roadway/web_drawings/traffic/rev_03/tm475.pdf

ftp://ftp.odot.state.or.us/techserv/roadway/web_drawings/traffic/rev_03/tm480.pdf

Final approval and acceptance of workmanship and materials shall be based on these standards/requirements/guidelines.

Performance Requirements: All equipment, materials, and components shall be installed and or terminated using methods recognized as good commercial practices and pass without exception in the applicable trades. Contractor shall ensure workmanship meets or exceeds these expectations.

Warranty:

Provide Gate Controller manufacturer's standard limited warranty covering unit against failure resulting from normal use for period of 3 years from date of purchase. Failure is defined as any defect in manufacturing that prevents the gate from operating in a normal manner.

**Automated Gate with Access Control System (East Gate)
Project Material List**

Gate Controller: HySecurity Slide Driver 30F Hydraulic Slide (Part #222-EX, 2HP, w/locking cabinet)
<http://www.hysecurity.com/cutsheets/pdf/SlideDriver.pdf>

Gate: cantilevered gate with high cycle *Comunello* cantilever rollers (See Attachment B)
<http://www.comunello.com/index.php/cantilever-gates>

Gate Safety Devices: (Must meet ODOT Specifications and State and Federal Code requirements)

Edge contact sensors; http://www.autogate.com/pdf/MGR20_MGS20.pdf

Free exit and safety loops w/ Backer Rod and Sealant;

IR55 Industrial Through-Beam Infrared Sensor, with transmitters & receiver;

Access Control Equipment:

Power supply with 12V 12AH battery - LNL- AL400ULX; http://www.lenel.com/sites/default/files/HW_LNL-AL400ULX.pdf

Hoffman enclosure #G400300225G with back panel and mounting hardware;
http://www.hoffmanonline.com/stream_document.aspx?rRID=255259&pRID=237180

Lenel Controller #LNL- 500 (PROVIDED BY OWNER), (2) Lenel modules - #LNL-1320 (PROVIDED BY OWNER)

Itemized Product List

1. HySecurity Slide Driver 30F Hydraulic Slide (Part #222-EX, 2HP, w/locking cabinet) – 1

2. Cantilevered gate with high cycle *Comunello* cantilever rollers - 2 cantilevered Gates with high cycle *Comunello* cantilever rollers
3. Gate Safety Devices – Edge Sensors (1 set), IR55 Industrial Trough-beam sensor (1 set), Free Exit and Safety Loops (1 set of each)
4. Lenel Power supply with 12V 12AH battery - LNL- AL400ULX - 1
5. HID card reader - #5355BGN00 w/keypad - 1
6. HID card reader - #5395CK100 – 1
7. Hoffman enclosure #G400300225G with back panel and mounting hardware - 1
8. Dual reader gooseneck, VE-GNP-2 (w/VE-3X5 AND VE-6X7) - 1 of each
9. 4" x 15' powder coated mast - 1
10. NEDAP Transit reader - 1
11. NEDAP Pole-mount hardware - 1
12. NEDAP Squelch upgrade board - 1
13. NEDAP Weather protection hood - 1
14. NEDAP Single ID Prox Booster - #948546 – 10

ATTACHMENT B

Cantilever Gate System

1. General

Commercial / Industrial Cantilever Gate System installed utilizing bottom supported enclosed Monorail and internal roller hardware as manufactured by Comunello, See www.comunello.com/index.php?lang=en

2. Frame

Gate frame shall be fabricated per ASTM F1184 – 05, Type II, Class 2 Cantilever Gate. Gate Frames over 4' width and any height shall have top and bottom horizontals fabricated from 2 3/8" diameter OD pipe weighing minimum 3.12lb/ft. Vertical members to be 1 7/8" diameter OD pipe weighing minimum 2.28lb/ft spaced not to exceed 6'0" on center. Diagonal members to be 1 5/8" diameter OD pipe weighing minimum 1.83 lb/ft. Gate frame to be fabricated as one structural unit to incorporate Comunello Monorail as an integral part of the gates framework. Cantilever gate frame counterbalance length to be fabricated per gate hardware manufactures recommendation based on gate opening and height.

3. Monorail

Comunello Monorail Selection: Choose size A, B, or C depending on overall gate width and weight (including track weight)

- A. Heavy Duty:
 - i. Gates up to 4050lb capacity and 59ft opening.
- B. Medium Duty:
 - i. Gates up to 1700lb capacity and 26ft opening.
- C. Aluminum:
 - i. Aluminum Gates up to 708lb and 26ft opening.

4. Concrete Counterbalance

Per manufactures design requirements based on gate opening and weight. See www.comunello.com/index.php?lang=en.

5. Chain Link Fabric

Furnish gate frame with same chain link fabric and finish as fence unless otherwise indicated. Install chain link fabric with tension bars and bands at vertical edges.

6. Internal Roller Truck Assembly

Comunello matching carriages to match size of track chosen.

7. Mounting Hardware

Mounting posts and latch post to be a minimum 4" outside diameter.
Comunello top guide rollers and yokes/end cups to match size of gate chosen.

8. Quality Assurance

Contractor is responsible for supplying a Commercial/Industrial Cantilever Gate System per ASTM F1184-05, Type II, Class 2, incorporating the Comunello bottom supported cantilever gate system hardware as stated in this specification. Gate opening size is not to exceed manufactures recommendations for selected hardware group.

9. Coordination

Coordinate with access control installer and electrical contractor prior to fabrication of gate.

SECTION 01 6000

PRODUCT REQUIREMENTS
SUBSTITUTION FORM

To: ODOT Project Manager
Luis Umana
Luis.umana@odot.state.or.us

PROJECT NAME: ODOT Sisters Maintenance Station Relocation pg 47

We hereby submit for consideration, the following project instead of specified item for above project:
Direct Digital Control System

Section: Alternate No.5 - 23 0923-4 Paragraph: 2.01 - Products

Specified Item: Alerton Technologies, Inc., Trane, Siemens, Carrier

Proposed Substitution: Automated Logic Direct Digital Controls by Clima-Tech
installed by local, satellite office in Sisters, Oregon.

Comply with requirements of Section 01 6000 Product Requirements Part 3 3.01 Substitution Procedures.

Attach complete dimensional information and technical data including laboratory tests, if applicable.

Include complete information on changes to Drawings and/or Specifications, which proposed substitution will require for its proper installation.

Submit with request all necessary samples and substantiating data to provide equal quality, performance, and appearance to that which is specific. Clearly mark manufacturer's literature to indicate equality in performance. Differences in quality of materials and construction shall be indicated.

The undersigned states that the proposed substitution complies with provisions of this form.

List of names and location of three similar projects on which product was used, date of installation, and Architect's name and phone number.

Project No. 1: Lane Community College Bldg 30, Summer 2010, SRG Partnership, Hussain Mirza, 503-322-1917

Project No. 2: First United Methodist Church - Eugene - Summer 2010 - Solaro AE, Jack Yousey, PE 541-349-0966 - retrofit/proposal design

Project No. 3: Chiloquin Three Rivers - August 2004 - Neal Huston & Associates, Paul Marshall 541-389-0991

Sisters Maintenance Station Relocation
01/27/12

10-001

01 6000
PRODUCT REQUIREMENTS
SUBSTITUTION FORM

SECTION 01 6000

PRODUCT REQUIREMENTS
SUBSTITUTION FORM

CERTIFICATION OF EQUAL
PERFORMANCE AND
ASSUMPTION OF LIABILITY
FOR EQUAL PERFORMANCE

FOR USE BY ARCHITECT	
<input checked="" type="checkbox"/> Accepted	<input type="checkbox"/> Accepted as Noted
<input type="checkbox"/> Not Accepted	<input type="checkbox"/> Received Too Late
By: <u>RDW (EDC)</u>	
Date: <u>4/4/12</u>	
Remarks: <u>MATRIX REQUIREMENT</u> <u>WAIVED DUE TO COMPLEXITY OF</u> <u>SYSTEM.</u>	

UNDERSIGNED ATTESTS THAT
FUNCTION AND QUALITY ARE
EQUAL TO OR SUPERIOR TO
SPECIFIED ITEMS

Submitted By: Tim H. Snyder
Signature: 
Title: Account Manager
Firm: Clima-Tech Corporation
Address: 4107 SE International Way
Suite 703, Milwaukie, OR 97222
Telephone: 503-740-7918
Date: April 3, 2012

Above signature must be by person
having authority to legally bind his firm
to the above terms.

END OF FORM