KIRBY NAGELHOUT CONSTRUCTION COMPANY
20835 Brown Blvd
Bend, OR 97701
Ph: (541)388-7119
FAX: (541) 385-5834
WEBSITE: www.kncobend.com

CCB# 95590

RFI

To: STEELE ASSOCIATES ARCHITECTS
760 NW York Dr., Suite 200
Bend, OReg on 97701
Ph: 541-382-9867 Fax: 541-385-8816

RFI #: 4
Date: 3/4/2011
Job: 1080 COCC Madras Campus
Phone: TBD

CC:

Subject: Irrigation Line Depth Discrepancies

Drawing: C202, C201
Cost Impact: YES

Spec Section:
Schedule Impact: TBD

Request: Date Required: 3/7/2011
C202 notes to report any discrepancies of actual location and depth of the irrigation line. C202 calls out the irrigation pipe elevations including connection points to existing irrigation line. During potholing today, 3/4/11, to locate the existing irrigation lines, these lines were found to be 1.8' lower on the south connection point and 1.7' lower on the north connection point, as per surveyed locations and elevations. Please confirm and if acceptable, please issue a CCD by Monday, 3/7/11 to proceed with the additional excavation required.

Requested by: Alec Hansen
KIRBY NAGELHOUT

Response:
The design used an assumed elevation based on information provided by the irrigation district and existing connection at the main.

If the entire line is lowered the section of pipe between station 3+00 and 3+60 may not require C900 PVC since the bury has increased on the pipe. Contractor to verify and replace with class 200 PVC if bury has increased to 3 feet.

Since additional depth at each connection point is roughly equal, the contractor should be able to use design grades. Please inform WHPacific of new grades if adjusted or if further assistance is required.

Fred Kroon
Answered by
WHPacific, Inc
Company
03/07/2011
Date

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RFI

To: STEELE ASSOCIATES ARCHITECTS
760 NW York Dr., Suite 200
Bend, OReg on 97701
Ph: 541-382-9867 Fax: 541-385-8816

RFI #: 12
Date: 3/17/2011
Job: 1080 COCC Madras Campus
Phone: TBD

CC:

Subject: Fire Service Thrust Blocks

Drawing: C200
Cost Impact: None

Spec Section:
Schedule Impact: None

Request: Date Required: 3/17/2011
Per sheet C200 on the Fire Service notes it calls for thrust blocks at FS5, FS4 and FS5. Is it acceptable to use Mega Lug connections at these locations in lue of thrust blocks?

Requested by: Alec Hansen
KIRBY NAGELHOUT

Response:
MEGALUG restrained connections and or field lock gaskets are acceptable in lieu of thrust blocks. Please provide restrained length calculations and table. WHPacific can also provide the calculations if requested by the client.

F. Kroon
Answered by
WHPacific, Inc
Company
3/17/2011
Date

Page 1 of 1

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CCB# 95590

RFI

To: STEELE ASSOCIATES ARCHITECTS
760 NW York Dr., Suite 200
Bend, OReg on 97701
Ph: 541-382-9867 Fax: 541-385-8816

RFI #: 78
Date: 6/9/2011
Job: 1080 COCC Madras Campus
Phone: TBD

CC:

Subject: Trail Light

Drawing: C200
Cost Impact: TBD

Spec Section:
Schedule Impact: YES

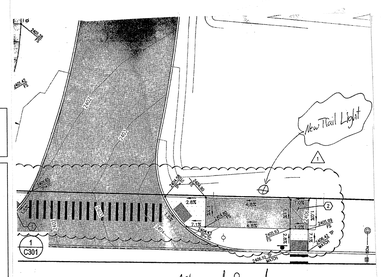
Request: Date Required: 6/16/2011
The proposed City of Madras trail light at the main entrance cannot be located per plan due to overhead and underground utilities. Please review attached drawing for a proposed location to ensure the photometrics of the fixture will work?

Requested by: Alec Hansen
KIRBY NAGELHOUT

Response:
Please proceed with the proposed location.

Michael Slevcove Interface Engineering, Inc. 06-13-11

Answered by
Company
Date



STEELE ASSOCIATES
ARCHITECTS LLC
760 NW YORK DRIVE, SUITE 200
541.382.9867 FAX 541.385.8816
BEND, OR 97701
info@steele-arch.com

N
SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

N: 354419.328
E: 8045574.433

PROPOSED 10' WIDE IRRIGATION EASEMENT

N: 354345.757
E: 8045593.446

N: 354335.173
E: 8045589.430

N: 354326.255
E: 8045600.838

SEE SHEET C201 FOR STORM MANHOLE AND PIPING INFORMATON

SEE PROFILE 1/C202 FOR IRRIGATION MAIN

APPROXIMATE LOCATION OF EXISTING IRRIGATION MAIN. POTHOLE MAIN TO CONFIRM ACTUAL DEPTH AND LOCATION.

N: 354295.631
E: 8045693.350

N: 354274.633
E: 8045737.697

SEE PROFILE 1/C201 FOR STORM MAIN

N: 354244.813
E: 8045793.427

SEE PROFILE 2/C201 FOR STORM MAIN

EXISTING DITCH

PROPOSED STORM PIPING FOR ROOF DRAIN, SEE SHEET C300 FOR ADDITIONAL INFORMATION

N: 354192.785
E: 8045809.185

PROPOSED SPILLWAY WEIR, SEE DETAIL 4/C504 FOR ADDITIONAL INFORMATION

F.F.= 2400.53
(GROUND LEVEL)

F.F.= 2390.53
(BASEMENT LEVEL)

PROPOSED STORMWATER POND, SEE C300/C504 FOR ADDITIONAL INFORMATION

SEE PROFILE 2/C202 FOR SEWER SERVICE PROFILE

PROPOSED 10' WIDE SEWER EASEMENT

PROPOSED 10' WIDE WATER EASEMENT

20' DESCHUTES VALLEY WATER DISTRICT EASEMENT

APPROXIMATE LOCATION OF EXISTING IRRIGATION MAIN. POTHOLE MAIN TO CONFIRM ACTUAL DEPTH AND LOCATION. REPORT ANY DISCREPANCIES TO THE ENGINEER

INSTALL CITY OF MADRAS PATH LIGHT PER DETAIL 2/C505. INSTALL 1-4" CONDUIT UNDER PATH FOR LIGHT.

INSTALL 3-4" CONDUIT UNDER DRIVEWAY FOR IRRIGATION AND POWER

FUTURE PATH

ASHWOOD ROAD

SITE AND UTILITY PLAN
SCALE: 1"=20'
1 / C200

WATER CONSTRUCTION NOTES:

1 W1 INSTALL 8"X2" TEE. INSTALL STAINLESS STEEL TAPPING SLEEVE AND 2" GATE VALVE, (TAPPING). BEGIN INSTALLATION OF 2" SCH 40 WATER LINE, AT A MINIMUM OF 36" COVER. (SLEEVE AND GATE VALVE TO BE INSTALLED BY DESCHUTES VALLEY WATER DISTRICT.)

W2 INSTALL 2" WATER METER PER DETAIL 2/C503.

W3 INSTALL 2" DOUBLE CHECK VALVE ASSEMBLY PER DETAIL 1/C503.

W4 INSTALL 2"-11.25° BEND.

W5 INSTALL 2"-90° BEND.

W6 INSTALL 2" CAP WITHIN 5' OF THE BUILDING WALL FOR FUTURE CONNECTION BY THE BUILDING PLUMBER. END 2" SCH. 40 WATER LINE.

W7 NOT USED

W8 INSTALL FIRE HYDRANT PER 2008 OREGON STANDARD DRAWING NO. RD254, SEE SHEET C502. MODIFY THIS DETAIL TO INSTALL A 6" C900 PVC WATER LINE, NOT A DUCTILE IRON WATER LINE TO THE HYDRANT. MINIMUM COVER IS 36".

W9 INSTALL 2"-45° BEND.

1 W10 INSTALL 8"X2" TEE. INSTALL STAINLESS STEEL TAPPING SLEEVE AND 2" GATE VALVE, (TAPPING). BEGIN INSTALLATION OF 2" SCH 40 WATER LINE, AT A MINIMUM OF 36" COVER. (SLEEVE AND GATE VALVE TO BE INSTALLED BY DESCHUTES VALLEY WATER DISTRICT.)

W11 INSTALL 2" WATER METER PER DETAIL 2/C503 (FOR IRRIGATION).

W12 INSTALL 2" DOUBLE CHECK VALVE ASSEMBLY PER DETAIL 1/C503 (FOR IRRIGATION).

W13 SEE IRRIGATION PLAN FOR CONTINUATION OF IRRIGATION SERVICE

W14 CUT EXISTING WATER MAIN AND INSTALL 8"X6" TEE, THRUST BLOCK, AND 8" GATE VALVE. INSTALL THRUST BLOCK PER 2008 OREGON STANDARD DRAWINGS NO. RD250 AND RD258, SEE SHEET C502. BEGIN INSTALLATION OF 8" C900 PVC WATERLINE WITH A MIN. COVER OF 36". (CONNECTION AND INSTALLATION OF TEE, THRUST BLOCK, AND VALVE TO BE COMPLETED BY DESCHUTES VALLEY WATER DISTRICT. ALL 8" WATER MAIN TO THE REDUCER ALSO TO BE INSTALLED BY DESCHUTES VALLEY WATER DISTRICT.)

FIRE SERVICE CONSTRUCTION NOTES:

1 FS1 INSTALL 8"X6" TEE, 6" GATE VALVE, AND 8"X6" REDUCER. BEGIN INSTALLATION OF 6" C900 PVC WATERLINE WITH A MIN. COVER OF 36". (TEE TO BE INSTALLED BY DESCHUTES VALLEY WATER DISTRICT).

FS2 INSTALL FIRE SPRINKLER SERVICE VAULT WITH PIV AND FDC PER DETAIL 3/C503. INSTALL OLDCASTLE PRECAST UTILITY VAULT NO. 687-WA OR APPROVED EQUAL.

FS3 INSTALL 6"-11.25° BEND AND THRUST BLOCK.

FS4 INSTALL 6"-90° BEND AND THRUST BLOCK.

FS5 INSTALL 6"-45° BEND AND THRUST BLOCK.

FS6 INSTALL 6" CAP WITHIN 5' OF THE BUILDING WALL FOR FUTURE CONNECTION BY THE BUILDING PLUMBER. END 6" C900 PVC WATER LINE.

IRRIGATION MAIN CONSTRUCTION NOTES:

I1 CONNECT TO EXISTING IRRIGATION GRAVITY MAIN. INSTALL 6"-22.5° BEND. INSTALL 74 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT. POTHOLE TO VERIFY LOCATION AND DEPTH OF EXISTING MAIN, NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

2 INSTALL 6"-22.5° BEND.
INSTALL 12 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT.

3 INSTALL 6"-22.5° BEND.
INSTALL 14 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT.

4 INSTALL 6"-22.5° BEND.
INSTALL 210 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT.

5 INSTALL 6"-45° BEND.
INSTALL 54 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT.

6 INSTALL 6"-45° BEND.
INSTALL 116 L.F. OF CL.200 PVC MAIN AT S= 0.0021 FT/FT.

7 CONNECT TO EXISTING IRRIGATION GRAVITY MAIN.

8 EXISTING 6" IRRIGATION MAIN IS TO BE REMOVED. BACKFILL AND COMPACT TRENCH PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.

NOTE: SEE SHEET C202 FOR IRRIGATION MAIN PROFILE. THERE IS A SECTION OF 6" C900 PVC PIPE NEEDED, SEE PROFILE.

SANITARY SEWER SERVICE CONSTRUCTION NOTES:

S1 INSTALL STANDARD SANITARY SEWER MANHOLE WITH 1 FOOT INSIDE DROP PER 2008 OREGON STANDARD DRAWING NO. RD338, SEE 1/C505.
RIM EL= 2400.53, 4" I.E. (IN, FROM BUILDING)= 2393.50, 4" I.E.(OUT)= 2392.50'
INSTALL 32 L.F. OF 4" 3034 PVC SEWER PIPE AT S=0.029 FT/FT.

S2 INSTALL SANITARY SEWER CLEAN OUT PER 2008 OREGON STANDARD DRAWING NO. RD362, SEE SHEET C504.
4" I.E.= 2391.56'

S3 INSTALL 82 L.F. OF 4" 3034 PVC SEWER PIPE AT S=0.029 FT/FT.

S4 INSTALL STANDARD SANITARY SEWER SHALLOW MANHOLE PER 2008 OREGON STANDARD DRAWING NO. RD342, SEE SHEET C202. RIM EL=2392.53, IE (4" IN)=2389.16, IE (4" OUT)=2389.06.

S5 INSTALL 64 L.F. OF 4" C900 PVC SEWER PIPE AT S=0.009 FT/FT. CENTER ONE PIPE LENGTH OF 4" C900 SEWER PIPE OVER EXISTING WATER MAIN SEE PROFILE 2/C202. CONNECT SERVICE TO EXISTING SEWER MANHOLE.

NOTE: SEE SHEET C202 FOR SANITARY SEWER SERVICE PROFILE.

GENERAL CONSTRUCTION NOTES:

G1 PROPOSED TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR INFORMATION.

G2 PROPOSED CURB OPENING WITH APRON, SEE DETAIL 8/C503 FOR ADDITIONAL INFORMATION.

G3 PROPOSED ADA SIGNS (TYP.), SEE DETAIL 4/C503 FOR ADDITIONAL INFORMATION.

G4 PROPOSED PARKING BUMPER (TYP.), SEE DETAIL 6/503 FOR ADDITIONAL INFORMATION.

G5 CONSTRUCT 8" OF ¾"-0 AGGREGATE BASE PARKING LOT AND ACCESS DRIVE.

G6 CONSTRUCT ADA RAMP PER OREGON STANDARD DRAWING NO. RD755, SEE SHEET C500.

G7 CONSTRUCT ACCESSIBLE STALL WITH SIGNAGE, REFER TO DETAIL 4/C503.

G8 CONSTRUCT 2" ASPHALT CONCRETE OVER 6" ¾"-0 AGGREATE BASE MATERIAL.

G9 CONSRUCT STANDARD 12" CONCRETE CURB WITH 6" REVEAL PER OREGON STANDARD DRAWING NO. RD700, SEE SHEET C500.

G10 CONSTRUCT FLUSH CURB AT ACCESSIBLE STALLS, SEE GRADING PLAN FOR TRANSITION AND ELEVATION INFORMATION, (SHEET C300).

G11 PROPOSED PARKING LOT LIGHT, SEE ARCHITECTUAL PLANS. SEE DETAIL 7/C503 FOR LIGHT POLE BASE.

G12 PROPOSED 8' WIDE AC PATH, SEE SHEET C400 FOR MORE INFORMATION.

G13 PROPOSED ASHWOOD ROAD STRIPING, SEE SHEET C400.

G14 INSTALL 4" CONCRETE ON 4" AGGREGATE BASE PER OREGON STANDARD DRAWING RD720.

G15 SAWCUT AND REMOVE EXISTING CURB AT NEW DRIVEWAY ENTRANCE.

G16 SAWCUT EXISTING PAVEMENT TO COMPLETE SEWER SERVICE CONNECTION. PLACE TACK ON EXISTING PAVEMENT EDGES PRIOR TO THE NEW ASPHALT INSTALLATION. FOLLOWING NEW ASPHALT INSTALLATION/COMPACTION, SEAL NEW EDGE WITH HOT TACK AND SAND SLURRY MIXTURE. PLACE CTB BACKFILL IN TOP 12" OF TRENCH AND COMPACT TO ODOT STANDARDS.

FRANCHISE UTILITY CONSTRUCTION NOTES:

1 EXISTING GAS MAIN IS TO REMAIN, COORDINATE WITH CASCADE NATURAL GAS.

2 INSTALL POWER UTILITY VAULT, SEE ELECTRICAL SITE PLAN FOR DESIGN INFORMATION. COORDINATE INSTALLATION WITH CENTRAL ELECTRIC COOPERATIVE.

3 INSTALL CONDUIT FOR TELEPHONE SERVICE. SEE ELECTRICAL SITE PLAN FOR SIZE AND NUMBER OF CONDUIT REQUIRED.

4 INSTALL CONDUIT FOR CABLE TV SERVICE. SEE ELECTRICAL SITE PLAN FOR SIZE AND NUMBER OF CONDUIT REQUIRED.

5 INSTALL CONDUIT FOR POWER SERVICE. SEE ELECTRICAL SITE PLAN FOR SIZE AND NUMBER OF CONDUIT REQUIRED.

6 PROPOSED POWER METER. SEE ELECTRICAL PLANS FOR MORE INFORMATION.

WHPacific
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www.whpacific.com

REGISTERED PROFESSIONAL ENGINEER
5289PE
OREGON
JULY 09, 2002
REDRICK A. KROON
EXPIRES: 06/30/2011

REVISIONS			
NO.	BY	DATE	REMARKS
1	FAK	02/10/11	CITY OF MADRAS COMMENTS

SHEET INFO	
DESIGNED	FAK/SCC
DRAWN	SCC/MA
CHECKED	FAK
APPROVED	SRH
LAST EDIT	2/17/2011
PLOT DATE	2/17/2011
SUBMITTAL	

SITE AND UTILITY PLAN
STEELE ASSOCIATES ARCHITECTS
COCC MADRAS CAMPUS
PROJECT NUMBER 37194
DRAWING FILE NAME 37194-C-PH1-UP00
SCALE 1"=20'

SHEET NUMBER
C200
3 of 15

COCC MADRAS CAMPUS
EDUCATION CENTER
ASHWOOD ROAD
MADRAS, OREGON
SITE AND UTILITY PLAN

PRINTS ISSUED	DATE
FINISHES MEETING	11/12/10

JOB NO. 10110.01
DATE 12/28/10
DRAWN BY VT, DR, CS, ES
CHECKED BY JW, STS

REVISIONS	DATE

SHEET NO.
C200
3 OF 15 SHEETS

CONSTRUCTION SET - 02/11/11

[DATE: 2/17/2011 10:40 AM] [AUTHOR: ------] [PLOTTER: QutePDF Writer.pc3] [STYLE: WHP-Standard.ctb]
[PATH: P:\Steele Associates Architects\37194\Design\Drawings\Civil\37194-c-ph1-UP00.dwg] [LAYOUT: C200 SITE AND UTILITY PLAN]

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