

Soppe, Tom

From: Amy Berger [BergerA@wlwv.k12.or.us]
Sent: Monday, May 17, 2010 2:37 PM
To: Keith S. Liden; Soppe, Tom
Cc: Patrick Tortora; Remo Douglas; SteveW@dowa.com; Tim Woodley
Subject: Re: FW: WLHS Baseball Field - Design Review Request



I called John today and made the payment.

Amy

>>> "Liden, Keith S." <Liden@pbworld.com> 5/17/2010 1:43 PM >>>
Tom,

The district was given a refund check for this application, but as we agreed last week you would keep the application. Now that the director has approved our request to be reviewed as a Class I Design Review, you have all the material, and the district simply needs to pay the fee again. Shall I have the district call John Nomie to make the \$850 payment? Thanks.

Keith Liden, AICP
Lead Planner

PlaceMaking
Parsons Brinckerhoff
400 SW 6th Avenue, Suite 802, Portland, OR 97204
Direct: 503-478-2348 | Office: 503-274-8772
www.pbworld.com/pbplacemaking

From: Sonnen, John [mailto:jsonnen@westlinnoregon.gov]
Sent: Monday, May 17, 2010 1:34 PM
To: Liden, Keith S.
Subject: FW: WLHS Baseball Field - Design Review Request
Importance: Low

West Linn City of
John Sonnen
jsonnen@westlinnoregon.gov
Planning Director
22500 Salamo Rd.
West Linn, OR, 97068
P: (503) 723-2524
F: (503) 656-4106
Web: westlinnoregon.gov

West Linn Sustainability Please consider the impact on the environment before printing a paper copy of this email.

Public Records Law Disclosure This e-mail is subject to the State Retention Schedule and may be made available to the public.

From: Sonnen, John
Sent: Monday, May 17, 2010 1:21 PM
To: 'SMTP:LIDEN@PBWORLD.COM'
Cc: Soppe, Tom

5/17/2010

Nomie, John

From: Soppe, Tom
Sent: Monday, May 17, 2010 1:48 PM
To: 'Liden, Keith S.'
Cc: Nomie, John; Zak, Teresa
Subject: RE: WLHS Baseball Field - Design Review Request

Yes, do that and it will be given a new file number and a new 30-day completeness check timeframe as a new application.

Tom Soppe
Associate Planner
City of West Linn
22500 Salamo Road
West Linn, OR 97068
ph. (503) 742-8660
fax (503) 656-4106
tsoppe@westlinnoregon.gov

Tom Soppe, Associate Planner
Planning, #1521

West Linn Sustainability Please consider the impact on the environment before printing a paper copy of this email.

Public Records Law Disclosure This e-mail is subject to the State Retention Schedule and may be made available to the public.

From: Liden, Keith S. [mailto:Liden@pbworld.com]
Sent: Monday, May 17, 2010 1:44 PM
To: Soppe, Tom
Cc: Amy Berger; Tim Woodley; Remo Douglas; SteveW@dowa.com; Patrick Tortora
Subject: [BULK] FW: WLHS Baseball Field - Design Review Request
Importance: Low

Tom,

The district was given a refund check for this application, but as we agreed last week you would keep the application. Now that the director has approved our request to be reviewed as a Class I Design Review, you have all the material, and the district simply needs to pay the fee again. Shall I have the district call John Nomie to make the \$850 payment? Thanks.

Keith Liden, AICP
Lead Planner

PlaceMaking

Parsons Brinckerhoff
400 SW 6th Avenue, Suite 802, Portland, OR 97204
Direct: 503-478-2348 | Office: 503-274-8772
www.pbworld.com/pbplacemaking

From: Sonnen, John [mailto:jsonnen@westlinnoregon.gov]
Sent: Monday, May 17, 2010 1:34 PM
To: Liden, Keith S.

5/17/2010

Subject: FW: WLHS Baseball Field - Design Review Request
Importance: Low



John Sonnen
jsonnen@westlinnoregon.gov
Planning Director
22500 Salamo Rd.
West Linn, OR, 97068
P: (503) 723-2524
F: (503) 656-4106
Web: westlinnoregon.gov

West Linn Sustainability Please consider the impact on the environment before printing a paper copy of this email.

Public Records Law Disclosure This e-mail is subject to the State Retention Schedule and may be made available to the public.

From: Sonnen, John
Sent: Monday, May 17, 2010 1:21 PM
To: 'SMTP:LIDEN@PBWORLD.COM'
Cc: Soppe, Tom
Subject: FW: WLHS Baseball Field - Design Review Request
Importance: Low

Hi Keith, based on the explanation in your letter dated May 12, we will process the proposed minor improvements in and around the West Linn High School baseball field as a Class I Design Review application.
Best regards,
John

From: Soppe, Tom [mailto:tsoppe@westlinnoregon.gov]
Sent: Thursday, May 13, 2010 8:30 AM
To: Sonnen, John
Subject: FW: WLHS Baseball Field - Design Review Request
Importance: Low

From: Liden, Keith S.[SMTP:LIDEN@PBWORLD.COM]
Sent: Thursday, May 13, 2010 7:26:31 AM
To: Tim Woodley
Cc: SteveW@dowa.com; Mark Wharry; Remo Douglas; Soppe, Tom; Karina Ruiz;
Norm Dull
Subject: [BULK] WLHS Baseball Field - Design Review Request
Importance: Low
Auto forwarded by a Rule
Tim,

The attached request to process the WLHS baseball field improvements as a Class I Design Review was mailed last night to John Sonnen.

Keith Liden, AICP
Lead Planner

PlaceMaking
Parsons Brinckerhoff

5/17/2010

400 SW 6th Avenue, Suite 802, Portland, OR 97204
Direct: 503-478-2348 | Office: 503-274-8772
www.pbworld.com/pbplacemaking

Tom Soppe, Associate Planner
Planning, #1521

West Linn Sustainability Please consider the impact on the environment before printing a paper copy of this email.

Public Records Law Disclosure This e-mail is subject to the State Retention Schedule and may be made available to the public.

NOTICE: This communication and any attachments ("this message") may contain confidential information for the sole use of the intended recipient(s). Any unauthorized use, disclosure, viewing, copying, alteration, dissemination or distribution of, or reliance on this message is strictly prohibited. If you have received this message in error, or you are not an authorized recipient, please notify the sender immediately by replying to this message, delete this message and all copies from your e-mail system and destroy any printed copies.

NOTICE: This communication and any attachments ("this message") may contain confidential information for the sole use of the intended recipient(s). Any unauthorized use, disclosure, viewing, copying, alteration, dissemination or distribution of, or reliance on this message is strictly prohibited. If you have received this message in error, or you are not an authorized recipient, please notify the sender immediately by replying to this message, delete this message and all copies from your e-mail system and destroy any printed copies.



RECEIVED

MAY 14 2010

PAGE..... OF.....

Parsons
Brinckerhoff

400 SW Sixth Avenue
Suite 802
Portland, OR 97204-1628
503-274-8772
Fax: 503-274-1412

May 12, 2010

John Sonnen, Planning Director
West Linn Planning Department
22500 Salamo Road
West Linn, OR 97068

RE: DR-10-05 West Linn High School Baseball Field

Dear Mr. Sonnen,

On April 29th the West Linn-Wilsonville School District submitted a Class I Design Review application to make a variety of minor improvements in and around the West Linn High School baseball field. On May 4th, the application was rejected by Tom Soppe for two reasons:

1. The expansion of the track equipment shed with a 620 square-foot addition for the ADA restroom and concession stand would exceed the 5% threshold for a Class I Design Review (CDC 55.020 7).
2. A Water Resource Area permit is required because a section of 12-inch storm line is proposed (at the city's request) to be replaced with a 24-inch line, and a portion of the proposed sidewalk improvements between the track and baseball field would be within a 100-foot water resource area buffer.

On behalf of the West Linn-Wilsonville School District, I request that the application be accepted for completeness review for Class I Design Review based on the following:

Design Review

Section 55.020 17. states that other land uses and activities may be considered under the Class I Design Review process "if the Planning Director makes written findings that the activity/use will not increase off-site impacts and is consistent with the type and/or scale of activities/uses listed above."

The proposed 620 square-foot building expansion for an ADA restroom and small concession stand is a very minor change in land use by any measure. Although this would result in more than a 5% expansion of the existing equipment storage building, it is inconsequential when considering the entire high school facility of which it is a part. In this context, it represents less than a 1% expansion, would generate no additional vehicular traffic, would not create additional noise associated with sports activities, and would not be visible from surrounding properties. Processing the application using a Class I Design Review would be comparable with other activities and uses that are subject to this process.

Existing gravel area to be overlaid with asphalt. (west portion)



Existing gravel area to be overlaid with asphalt. (east portion) new concessions is adjacent to the existing green building.



Water Resource Area

I have attached an exhibit that shows the location of the proposed storm line and sidewalk improvements and their relationship to the 100-foot water resource buffer area. The proposed sidewalk (shaded area on the right side of the drawing near the baseball field) is outside of the water resource area. In addition, it is presently surfaced with gravel (see attached photos), and the sidewalk is intended to provide improved pedestrian and ADA access.

The storm drainage facility maintenance and improvement is within the 100-foot buffer. However, a minor improvement such as this to a properly established utility should qualify for an exception under 32.020 D. 3. This section states: "Routine repair and maintenance of legally established structures, utilities, roads, and manmade water control facilities such as constructed ponds or lakes, wastewater facilities, and stormwater treatment facilities that do not alter the location or footprint of the structure, utility, or road."

The proposed storm drainage facility work is very minor and is consistent with the above exception provision because: 1) it is routine; 2) the facility was previously permitted and approved by the city; 3) it is a utility; and 4) other than having a slightly larger pipe underground, it will be located in its present alignment.

Based on the above, the district requests that the application for the WLHS baseball field improvements be accepted for completeness review as a Class I Design Review application. Please feel free to contact me if you have any questions. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Keith S. Liden". The signature is fluid and cursive, with the first name "Keith" being the most prominent.

Keith S. Liden, AICP

cc: Tim Woodley, WLWV School District
Remo Douglas, WLWV School District
Steve Winkle, DOWA
Pat Tortora, Winzler & Kelly
Tom Soppe

WEST LINN HIGH SCHOOL
Class I Design Review
April 28, 2010

APPLICATION SUMMARY

For Class I Design Review approval to replace or remodel portions of existing support facilities adjacent to the baseball field at West Linn High School located on a 42-acre site.

GENERAL INFORMATION

Location

5464 West "A" Street (2S 2E Section 30, Tax Lot 800 and Section 30CD Tax Lots 4500, 4501, 4502, and 4502E1). Its location is shown in Figure 1.

Comprehensive Plan and Zoning Designations

The Comprehensive Plan designations are Low Density for the northern portion of the property and Commercial for the southern section.

Consistent with the Comprehensive Plan, the property is zoned Single Family Residential Detached (R10) and Office Business Center (OBC).

Applicant and Owner

Tim Woodley, Director of Operations
West Linn-Wilsonville School District
P. O. Box 35
West Linn, OR 97068
Phone: 503-673-7976
Fax: 503-638-9360
E-mail: woodleyt@wlwv.k12.or.us

Applicant's Representatives

Keith Liden, AICP
Parsons Brinckerhoff
400 S. W. 6th Avenue, Suite 802
Portland, OR 97204
Phone: 503-478-2348
Fax: 503-274-1412
E-mail: liden@pbworld.com

Steve Winkle, AIA
Dull Olson Weekes Architects
907 S. W. Stark Street
Portland, OR 97205
Phone: 226-6950
Fax: 273-9192
E-mail: steve@dowa.com

Attachments and Plan Sheets

Cover Sheet

C0	Existing Conditions
C1	Existing Conditions and Demolition
C2	Site Plan
C3	Grading and Erosion Control Plan
C4	Utility Plan
C5	Notes and Details
C6	Details
A1.00	Overall Site Plan
A1.01	Site Plan
A2.00	Concession Plans
A2.01	Announcer Booth Plans
A2.02	Seating Plan
A3.00	Elevation
A3.01	Section
A3.02	Section/Elevation Details
A3.03	Section/Elevation Details
A4.00	Interior Elevation
S0.2	General Structural Notes
S1.1	Site Plan and Framing Plans
S2.1	Concrete Details
S3.1	Wood Details
M001	Symbols, Legends and Abbreviations - Mechanical
M201	Floor Plans – Mechanical
M601	Details - Mechanical
E001	Symbols, Legends and Abbreviations - Electrical
E010	Site Plans-Demolition Electrical
E020	Site Plan – Electrical
E201	Floor Plans – Electrical
E501	One-Line Diagrams - Electrical
E601	Details and Schedules – Electrical

Note: The applicant is requesting a waiver of the submittal requirement to provide topographic information for the entire project property (CDC 55.120 A). In this case, no topographic survey information is available for the undeveloped portion of the school district property to the west of the football and baseball fields. In addition, the improvements are focused solely around the baseball field. Because no construction activity of any kind is proposed outside of this area, the district requests a waiver from this submittal requirement and to provide this information for the project area only.

A waiver to the acoustic study requirement (CDC 55.120 M) is requested. The remodeling and renovation work will not expand the school capacity or intensity of use and therefore, the noise generated from the site will not change.

Figure 1: Aerial Photo



Source: Google

BACKGROUND INFORMATION

Site Description

The site is developed with West Linn High School, including the school buildings, driveways, parking, and athletic fields as shown in Figure 1. The entire site is approximately 42 acres, including the wooded portion of the property, which is west of the school. A football stadium, baseball field, and tennis courts are located on the southwest side of the property. There are no known historic or archaeological resources on the property.

Surrounding Area Description

The zoning designations and current land use of the surrounding area are summarized in Table 1.

**Table 1
Land Use Summary**

<i>Properties in the Vicinity</i>	<i>Zone Designation</i>	<i>Land Use</i>
<u>Subject Property</u> 2S 2E 30, TL 800 and 30CD, TL 4500, 4501 4502 and 4502E1(42 acre school site owned by school district	R10 and OBC (southern parking lot)	High School building, ancillary facilities, and parking
<u>Surrounding Properties</u>		
Northwest	R10	Single family residences and Wilderness Park
East/Northeast	R5 and R4.5	Single family residences
South	R10	Camassia Natural Area and I-205
West	R10	Single family residences and Wilderness Park

Primary access to the school is provided by West "A" Street, which runs along the eastern side of the site. One driveway exists on the south end of the site, providing access to the southern parking lot, tennis courts, and baseball field. A pick-up and drop-off driveway is located in front of the school. A secondary driveway on Skyline Drive provides access to the rear of the northern section of the school and the football stadium.

BASEBALL FIELD IMPROVEMENTS

The improvements to baseball field include:

- Eliminating overhead power lines, transformers, and power poles, while retaining the existing field lights and poles.
- Installing replacement underground electrical service.
- Expanding the existing track equipment shed to provide an ADA restroom and concession stand.
- Replacing the existing bleachers with new bleachers that will continue to seat approximately 300 people.
- Providing access from the upper track level to the new ADA restroom, concessions, and bleachers.
- Providing a new screen to prevent foul balls from landing in the adjacent park to

the west.

- Providing a new backstop screen to protect the spectators in the bleacher area.
- Modifying the existing concrete wall at the backstop to start the first row of bleachers 4 feet above the field instead of 10 feet this brings the top of the seating area level with the track area.
- Installing the announcers booth behind the seating area.
- Improving the pathway between the southern parking lot and the baseball field to be ADA accessible.
- Installation of one planter and two bioswales, designed to the City of Portland Storm Water Management Manual.

DESIGN REVIEW CRITERIA

The Class I Design Review requirements include compliance with Chapter 55 Design Review. Section 55.090 contains the applicable approval standards for a Class I Design Review. Section 55.090(A) refers to specific portions of Section 55.100 that apply to Class I Design Review applications. The applicable portions of Section 55.100 are addressed below, including CDC Sections 55.100 J. and K. identified by the city staff.

Section 55.090(B) states that adequate public facilities must be available. This criterion is satisfied because the school is currently served by a full range of public utilities and streets. The remaining criteria are addressed below.

55.090 A. The provisions of the following sections shall be met:

1. Section 55.100 B. (1-4) Relationship to the Natural Physical Environment

Section 55.100 B. 1. and 2. Do not apply because no significant or heritage trees will be affected. The project involves improvements to portions of the high school property that are presently developed. There are no trees within the area to be improved.

Section 55.100 B. 3. is not relevant because no grading is proposed. The existing grades on the site will remain.

Section 55.100 B. 4. is satisfied because the property is geologically stable. Furthermore, the construction proposed is within an area that is currently developed.

2. Section 55.100 B. (5-6) Architecture

Section 55.100 B. 5. is satisfied because the modest expansion of the track shed building and the new announcer's booth comply with all of the building height and setback requirements of the R 10 Zone. The buildings will be well under the 35-foot height limit and they will be located well beyond the minimum setback requirements of the R-10 Zone.

Section 55.100 B. 6. is met based on the findings below:

- a. The modest buildings proposed either represent replacement improvements or an expansion for restrooms and a small concession stand. The fencing, screens, walkways, and lighting are presently provided and the replacement facilities will continue to be consistent with the sports field function. Natural

exterior colors will be used, and the improvements will not be visible from surrounding properties.

- b/c.* These subsections pertaining to building scale and transition is not relevant because the buildings are very small and well removed from any other buildings in the area. The high school building and auditorium, which are over 100 feet to the east are the closest buildings in the area.
- d.* As noted above, the proposed site is large enough to displace any contrasting architectural styles that the proposed building might add to the surrounding area.
- e.* The proposed improvements will enhance the human scale of the baseball field spectator area by providing a more comfortable walking environment, improved safety, restrooms, and concessions.
- f.* For security reasons, the restroom, concession stand, and announcer's booth will not be very transparent with multiple openings and windows. However, these buildings will be open when spectators are present. Because of their small size, the site will continue to be transparent and easily surveyed from many different vantage points.
- g.* The buildings will avoid expansive blank wall elevations.
- h.* There will not be any additional weather protection compared to the current improvements. Spectators expect to come prepared for the varied climatic conditions of the Northwest.
- i.* As noted above the improvements are designed to enhance the comfort, safety, and enjoyment of the spectators.

55.090 A. (3) In addition, the provisions of the following sections shall be met:

3. Section 55.100 J. Crime Prevention

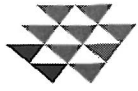
Access, pedestrian circulation, and lighting will be provided and arranged to maximize spectator safety. The baseball field and adjoining sports facilities will continue to be secured by the district to minimize the potential for crime and vandalism on the school grounds and the surrounding neighborhood.

4. Section 55.100 K. ADA Accessibility

City code criteria and ADA requirements will be satisfied during the final building and facility design. The restroom will be ADA accessible, and the existing gravel pathway from the southern parking lot will be improved to be ADA accessible

CONCLUSION

The proposed baseball field improvements satisfy all of the relevant criteria as demonstrated above.



WINZLER & KELLY

15575 SW Sequoia Pkwy, Ste. 140
Portland, OR 97224-7233

Date: 4-1-10

MEMORANDUM

Project No.: 10884-09007 Project Name: WLHS Baseball Seating
To: Khoi Le, P.E., City of West Linn
From: Patrick Tortora, P.E.
Copies To: M. Wharry, P.E.
Subject: Preliminary Stormwater Drainage Design Memorandum

This memorandum is to address the proposed storm drainage improvement related to the proposed pedestrian infrastructure and seating upgrades at the WLHS baseball field.

Project Description:

Improvements to pedestrian infrastructure and spectator seating are proposed at the baseball field. The proposed improvements include a new hardscape path from the existing parking lot to the seating area, a new built-in spectator seating area, new hardscape pedestrian plaza, and new bathroom facilities. See Site Plan.

New impervious area summary (approximate): 7,560 sf

Existing Conditions:

The existing site includes a gravel path and spectator seating area with portable metal bleachers. There is an existing storm pipe network that consists of a series of catch basins and storm pipe that collect and convey runoff from the site as well as a large off-site tributary area of about 83 acres. The calculated peak flows from the off-site tributary area are summarized below:

Design Storm Event	Peak Flow
2-Year	4.8 cfs
5-Year	8.1 cfs
10-Year	12.3 cfs
25-Year	16.8 cfs
100-Year	21.7 cfs

The pipe network consists mostly of 24" pipe, although there is a 12" section of pipe at the upstream end of the system that restricts the amount of flow that the system can accept. It was determined that the 24" pipe has the capacity to convey the 10-year peak flow.

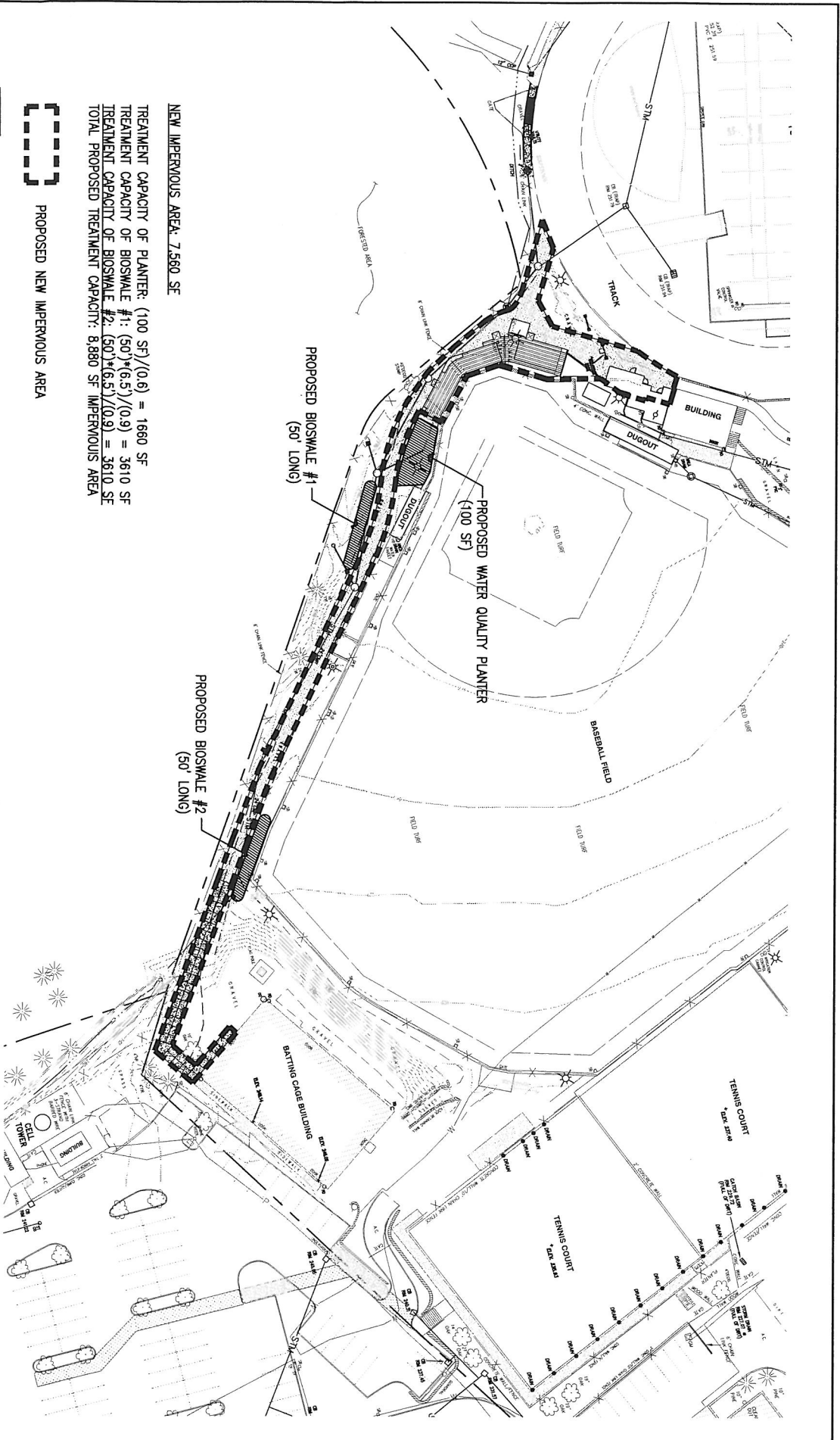
The baseball field area is located at the downstream end of the pipe network, just upstream of its point of discharge into a drainage that ultimately outlets into the Willamette River.

Proposed Storm System:

The proposed improvements to the storm system include upsizing the existing 12" section of pipe with 24" pipe. A portion of the storm pipe network will be relocated to avoid the new spectator seating.

Detention is not proposed for the new impervious area. An analysis showed that the proposed impervious area will increase the peak 25-year flow leaving the site by about 0.03 cfs from its existing condition. This increase is considered negligible compared to the off-site flow that is routed through the system (16.8 cfs for 25-year design storm).

Stormwater treatment is planned to remove pollutants from the proposed impervious area. The proposed stormwater quality features include a planter to accept runoff from the new bleacher area, and two bioswales to accept runoff from the proposed pedestrian hardscape areas. These features have been designed using the City of Portland Stormwater Management Manual Simplified Approach – see attached Drainage Map.



NEW IMPERVIOUS AREA: 7,560 SF

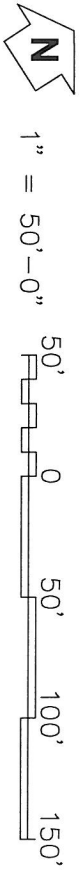
TREATMENT CAPACITY OF PLANTER: $(100 \text{ SF}) / (0.9) = 1660 \text{ SF}$

TREATMENT CAPACITY OF BIOSWALE #1: $(50') * (6.5') / (0.9) = 3610 \text{ SF}$

TREATMENT CAPACITY OF BIOSWALE #2: $(50') * (6.5') / (0.9) = 3610 \text{ SF}$

TOTAL PROPOSED TREATMENT CAPACITY: 8,880 SF IMPERVIOUS AREA

PROPOSED NEW IMPERVIOUS AREA

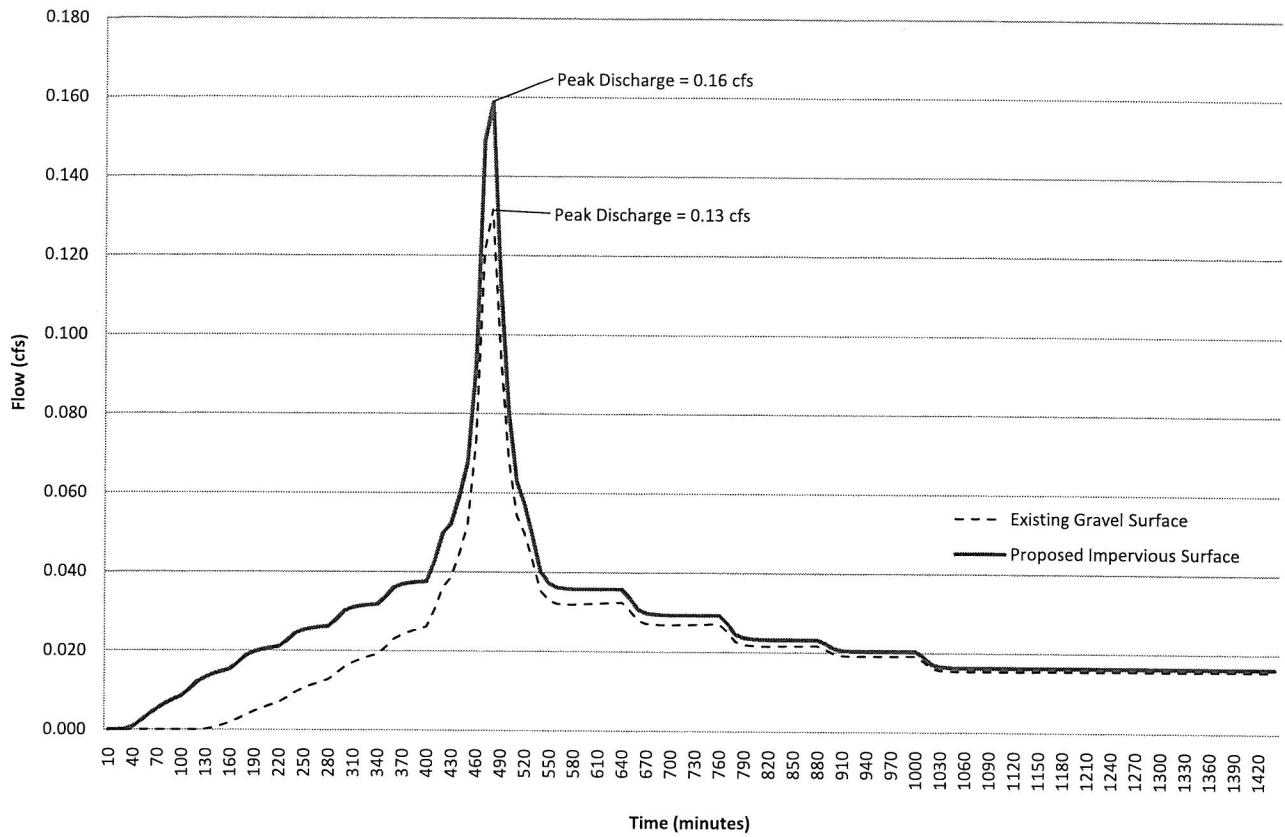


Reuse of Documents: This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Winkler & Kelly and shall not be reused in whole or in part for any other project without Winkler & Kelly's written authorization. © 2008 Winkler & Kelly

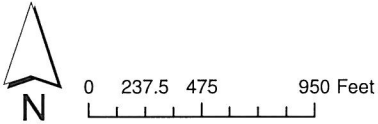
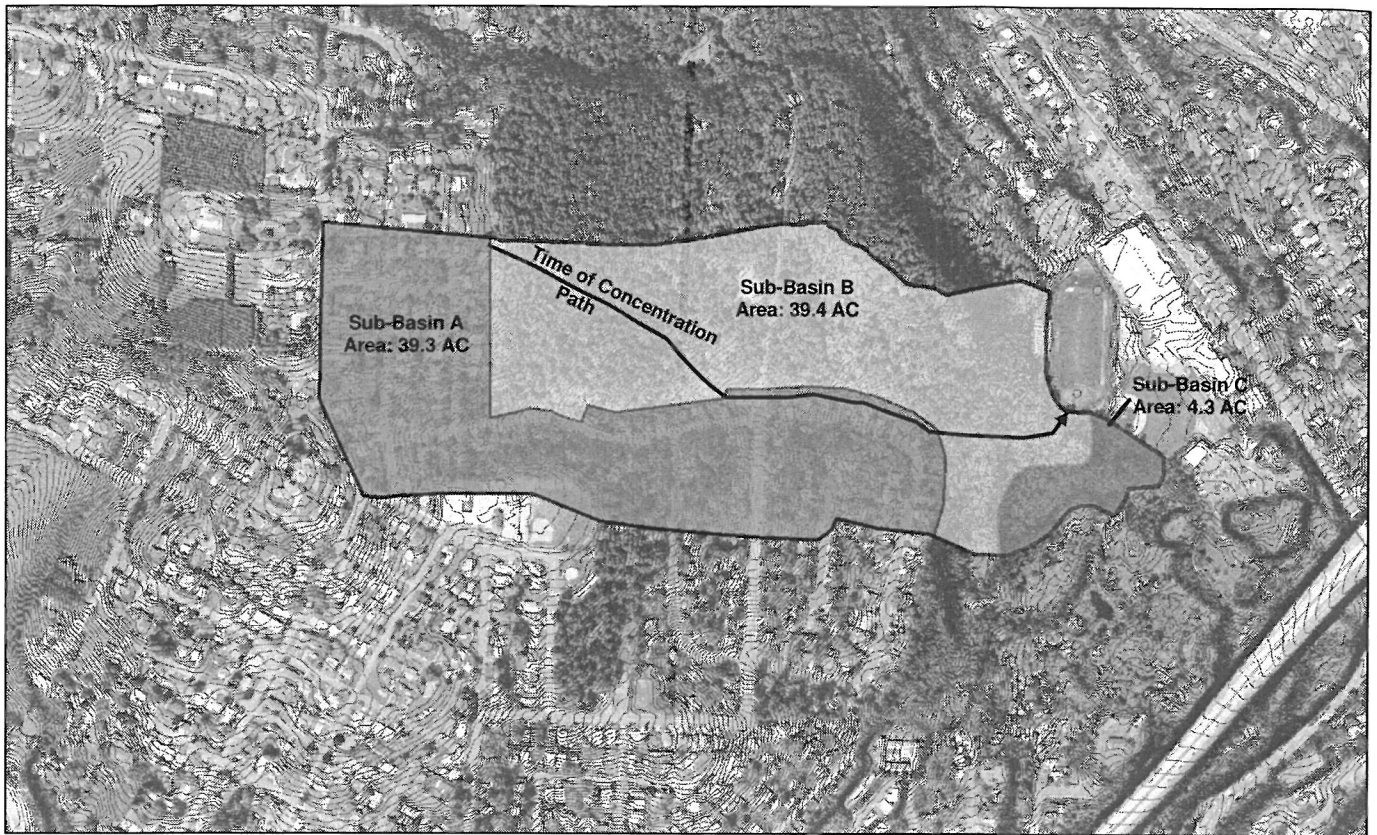
15575 SW SEQUOIA BLVD, SUITE 140
 PORTLAND, OR 97224
 PH: 503-226-3921 FAX: 503-226-3926

PROJECT: WILHS BASEBALL SEATING		TITLE: DRAINAGE MAP - PROPOSED CONDITIONS	
DESIGNED	DRAWN	APPROVED	DATE
			3/31/10
			PROJECT NO. 10884-09007
			DWG NO. 1

WLHS Baseball Seating 25-Year Runoff Hydrograph for Proposed Impervious Area



Watershed for WLHS Storm Pipe

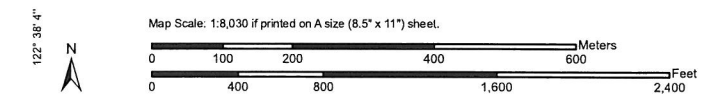
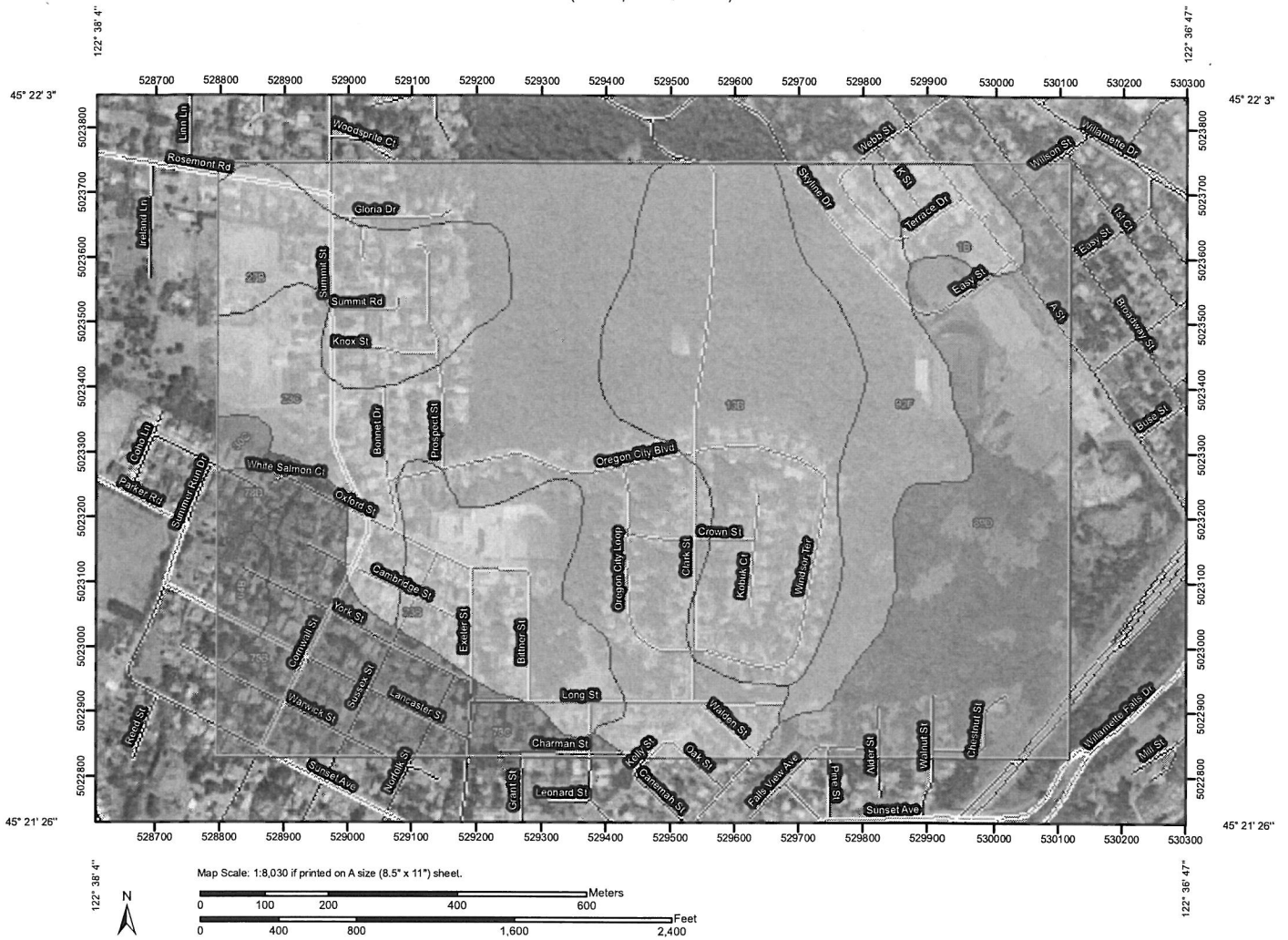


Data Source: Topography - City of West Linn 2 ft. Contours (2004) Received January 22, 2010



















January 22, 2010

 WINZLER & KELLY

Hydrologic Soil Group—Clackamas County Area, Oregon
(Soil Map for WLHS Area)



MAP LEGEND

- Area of Interest (AOI)**
 Area of Interest (AOI)
- Soils**
 Soil Map Units
- Soil Ratings**
- | | |
|-----------------------------------------------------------------------------------|----------------------------|
|  | A |
|  | A/D |
|  | B |
|  | B/D |
|  | C |
|  | C/D |
|  | D |
|  | Not rated or not available |
- Political Features**
 Cities
- Water Features**
 Oceans
 Streams and Canals
- Transportation**
 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

MAP INFORMATION

Map Scale: 1:8,030 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 10N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Clackamas County Area, Oregon
Survey Area Data: Version 5, Aug 12, 2009

Date(s) aerial images were photographed: 8/3/2005

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

WLHS Drainage

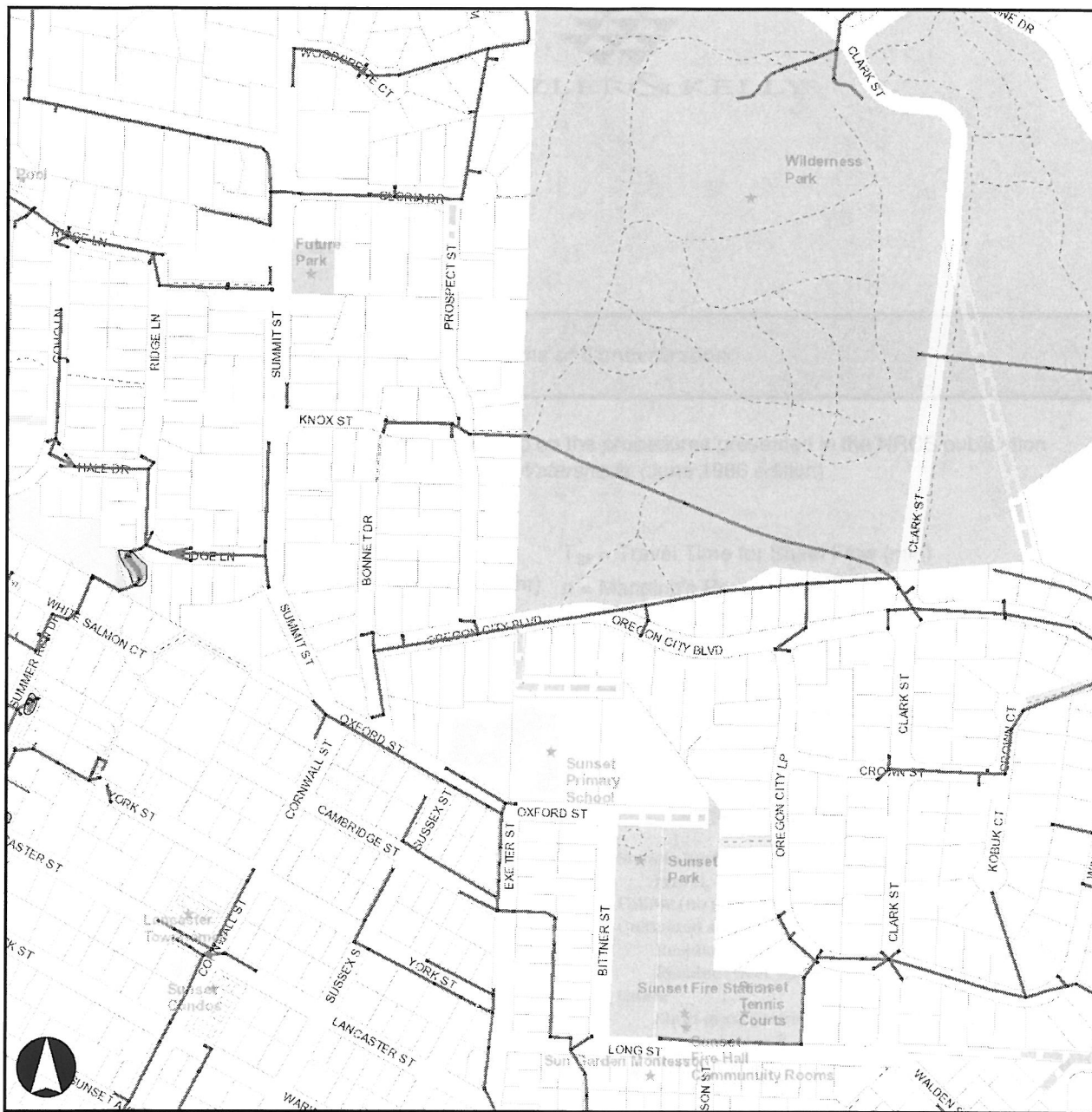


2009 West Linn GIS Map Disclaimer, [click here](#)

WestLinnBaseMap_ex911v1

West Linn GIS Map Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

WLHS Drainage 2



2009 West Linn GIS Map Disclaimer, [click here](#)

WestLinnBaseMap_ex911v1

West Linn GIS Map Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Table 2-2a Runoff curve numbers for urban areas ^{1/}

Cover description	Average percent impervious area ^{2/}	Curve numbers for hydrologic soil group			
		A	B	C	D
<i>Fully developed urban areas (vegetation established)</i>					
Open space (lawns, parks, golf courses, cemeteries, etc.) ^{3/} :					
Poor condition (grass cover < 50%)		68	79	86	89
Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover > 75%)		39	61	74	80
Impervious areas:					
Paved parking lots, roofs, driveways, etc. (excluding right-of-way)		98	98	98	98
Streets and roads:					
Paved; curbs and storm sewers (excluding right-of-way)		98	98	98	98
Paved; open ditches (including right-of-way)		83	89	92	93
Gravel (including right-of-way)		76	85	89	91
Dirt (including right-of-way)		72	82	87	89
Western desert urban areas:					
Natural desert landscaping (pervious areas only) ^{4/}		63	77	85	88
Artificial desert landscaping (impervious weed barrier, desert shrub with 1- to 2-inch sand or gravel mulch and basin borders)		96	96	96	96
Urban districts:					
Commercial and business	85	89	92	94	95
Industrial	72	81	88	91	93
Residential districts by average lot size:					
1/8 acre or less (town houses)	65	77	85	90	92
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
2 acres	12	46	65	77	82
<i>Developing urban areas</i>					
Newly graded areas					
(pervious areas only, no vegetation) ^{5/}		77	86	91	94
Idle lands (CN's are determined using cover types similar to those in table 2-2c).					

¹ Average runoff condition, and $I_a = 0.2S$.² The average percent impervious area shown was used to develop the composite CN's. Other assumptions are as follows: impervious areas are directly connected to the drainage system, impervious areas have a CN of 98, and pervious areas are considered equivalent to open space in good hydrologic condition. CN's for other combinations of conditions may be computed using figure 2-3 or 2-4.³ CN's shown are equivalent to those of pasture. Composite CN's may be computed for other combinations of open space cover type.⁴ Composite CN's for natural desert landscaping should be computed using figures 2-3 or 2-4 based on the impervious area percentage (CN = 98) and the pervious area CN. The pervious area CN's are assumed equivalent to desert shrub in poor hydrologic condition.⁵ Composite CN's to use for the design of temporary measures during grading and construction should be computed using figure 2-3 or 2-4 based on the degree of development (impervious area percentage) and the CN's for the newly graded pervious areas.

Table 2-2c Runoff curve numbers for other agricultural lands ^{1/}

Cover type	Cover description	Hydrologic condition	Curve numbers for hydrologic soil group			
			A	B	C	D
Pasture, grassland, or range—continuous forage for grazing. ^{2/}		Poor	68	79	86	89
		Fair	49	69	79	84
		Good	39	61	74	80
Meadow—continuous grass, protected from grazing and generally mowed for hay.		—	30	58	71	78
Brush—brush-weed-grass mixture with brush the major element. ^{3/}		Poor	48	67	77	83
		Fair	35	56	70	77
		Good	30 ^{4/}	48	65	73
Woods—grass combination (orchard or tree farm). ^{5/}		Poor	57	73	82	86
		Fair	43	65	76	82
		Good	32	58	72	79
Woods. ^{6/}		Poor	45	66	77	83
		Fair	36	60	73	79
		Good	30 ^{4/}	55	70	77
Farmsteads—buildings, lanes, driveways, and surrounding lots.		—	59	74	82	86

¹ Average runoff condition, and $I_a = 0.2S$.

² *Poor*: <50% ground cover or heavily grazed with no mulch.

Fair: 50 to 75% ground cover and not heavily grazed.

Good: > 75% ground cover and lightly or only occasionally grazed.

³ *Poor*: <50% ground cover.

Fair: 50 to 75% ground cover.

Good: >75% ground cover.

⁴ Actual curve number is less than 30; use CN = 30 for runoff computations.

⁵ CN's shown were computed for areas with 50% woods and 50% grass (pasture) cover. Other combinations of conditions may be computed from the CN's for woods and pasture.

⁶ *Poor*: Forest litter, small trees, and brush are destroyed by heavy grazing or regular burning.

Fair: Woods are grazed but not burned, and some forest litter covers the soil.

Good: Woods are protected from grazing, and litter and brush adequately cover the soil.

Full Flow Capacity for 24" CMP Pipe, S=1%

Project Description

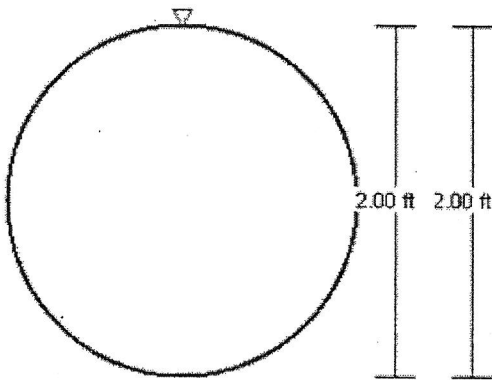
Friction Method Manning Formula
Solve For Full Flow Capacity


Input Data

Roughness Coefficient	0.024	
Channel Slope	0.01000	ft/ft
Normal Depth	2.00	ft
Diameter	2.00	ft
Discharge	12.25	ft ³ /s

CAPACITY =

Cross Section Image



V:1 
H:1

24" HDPE, S=1%, 100-yr Peak Flow

Project Description

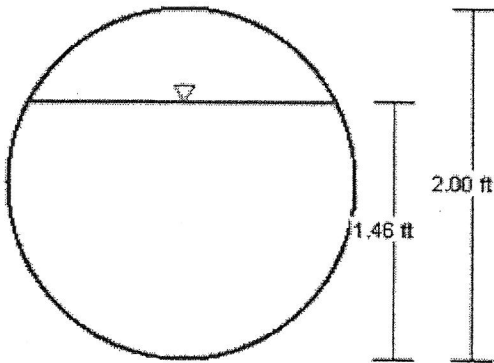
Friction Method Manning Formula
Solve For Normal Depth


Input Data

Roughness Coefficient	0.012	
Channel Slope	0.01000	ft/ft
Normal Depth	1.46	ft
Diameter	2.00	ft
Discharge	21.70	ft ³ /s

CAPACITY = 25 cfs

Cross Section Image



V: 1 
H: 1

WLHS Storm Pipe Analysis
Hydrologic Summary

Sub-Basin	Land Use	Area (Acres)	Hydroloic Condition	Hydrologic Soil Group	CN
A	Residential (1/4 Acre Lots)	39.3	N/A	C	83
B	Woods	39.4	Good	C	70
C	Woods	4.3	Good	D	77
Total:		83.0		Composite CN:	77

Reference: "Urban Hydrology for Small Watersheds", NRCS Technical Release 55, Second Edition, June 1986

CITY OF WEST LINN
22500 Salamo Rd.
West Linn, OR. 97068
(503) 656-4211

PLANNING RECEIPT
Receipt: # 935711
Date : 05/17/2010
Project: #DR-10-08
BY: JN

NAME : WL/WV SCHOOL DISTRICT/TIM WOODLEY

ADDRESS : PO BOX 35

CITY/STATE/ZIP: WEST LINN OR 97068

PHONE # : 673-7196

SITE ADD. : 5464 WEST A ST (WL HIGH SCHOOL)

TYPE I HOME OCCUPATIONS		HO	\$
PRE-APPLICATIONS	Level I (), Level II ()	DR	\$
HISTORIC REVIEW	Residential Major (), Minor (), New ()	DR	\$
	Commercial Major (), Minor (), New ()		
SIGN PERMIT	Face (), Temporary (), Permanent ()	DR	\$
SIDEWALK USE PERMIT		DR	\$

APPEALS	Plan. Dir. Dec. (), Subdivision (),	DR	\$
	Plan Comm./City Coun. (), Nbhd ()		

LOT LINE ADJUSTMENT		LA	\$
CITY/METRO BUSINESS LICENSE		BL	\$

The following items are paid by billing against the up-front deposit estimate.
If the amount of time billed to your project exceeds the amount covered by the
deposit, additional payment may be required.

DESIGN REVIEW	Class I (X), Class II ()	RD	\$	850.00
VARIANCE	Class I (), Class II ()	RD	\$	
SUBDIVISION	Standard (), Expedited ()	RD	\$	
ANNEXATION	"Does Not Include Election Cost"	RD	\$	
CONDITIONAL USE		RD	\$	
ZONE CHANGE		RD	\$	
MINOR PARTITION		RD	\$	
MISCELLANEOUS PLANNING		RD	\$	

Boundry Adjustments	()		
Modification to approval	()	Water Resource	
Code Amendments	()	Area Protection	()
Comp. Plan Amendments	()	Street Vacations	()
Temporary Permit Admin.	()	Easement Vacations	()
Temporary Permit Council	()	Will. River Greenway	()
Flood Management	()	Tualatin River Grwy.	()
Inter-Gov. Agreements N/C	()	Street Name Change	()
Alter Non-Conforming Res.	()	Code Interpretations	()
Alter Non-Conforming Comm.	()	Type II Home Occ.	()
Measure 37 Claims	()	Planned Unit Dev. PUD	()

TOTAL REFUNDABLE DEPOSIT		RD	\$	850.00
--------------------------	--	----	----	--------

GENERAL MISCELLANEOUS Type:		PM	\$	
-----------------------------	--	----	----	--

TOTAL	Check #	Credit Card (X)	Cash ()	\$	850.00
-------	---------	-----------------	----------	----	--------

WLHS BASEBALL SEATING

West Linn Wilsonville School District
22210 SW Stafford Rd, Tualatin, OR 97062

owner
West Linn Wilsonville School District
22210 SW Stafford Rd.
Tualatin, OR 97062
t: (503) 673 7000 f: (503) 673 7001

civil engineer
Winder & Kelly
22210 SW Stafford Road
Tualatin, OR 97062
t: (503) 673 7975

architect
Duff Olson Weekes Architects Inc.
907 SW Stark Street
Portland, Oregon 97205
t: (503) 226 6950 f: (503) 273 9192

structural engineer
KPF, Consulting Engineers.
111 SW 5th Avenue
Portland, OR 97204
t: (503) 227 3251

**mechanical/plumbing/
electrical engineer**
PAE, Consulting Engineers Inc.
808 SW Third Ave, Suite 300
Portland, OR 97204-2426
t: (503) 226 2921 f: (503) 226 2930

CONTENTS

civil	architectural	structural	mechanical	plumbing	electrical
C0 EXISTING CONDITIONS	A1.00 OVERALL SITE PLAN	S0.2 GENERAL STRUCTURAL NOTES	M0.01 SYMBOLS, LEGENDS & ABBREVIATIONS - MECHANICAL		E0.01 SYMBOLS, LEGENDS & ABBREVIATIONS - ELECTRICAL
C1 EXISTING CONDITIONS & DEMOLITION	A1.01 SITE PLAN	S1.1 SITE PLAN AND FRAMING PLANS	M2.01 FLOOR PLAN MECHANICAL		E0.10 SITE PLANS - DEMOLITION ELECTRICAL
C2 SITE PLAN	A2.00 CONSESSION PLANS	S2.1 CONCRETE DETAILS	M6.01 DETAILS MECHANICAL		E0.20 SITE PLAN - ELECTRICAL
C3 GRADING & EROSION CONTROL PLAN	A2.01 ANNOUNCER BOOTH PLANS	S3.1 WOOD DETAILS			E2.01 FLOOR PLANS ELECTRICAL
C4 UTILITY PLAN	A2.02 SEATING PLAN				E5.01 ONE-LINE DIAGRAMS - ELECTRICAL
C5 NOTES AND DETAILS	A3.00 ELEVATION				E6.01 DETAILS AND SCHEDULES - ELECTRICAL
C6 DETAILS	A3.01 SECTION				
	A3.02 SECTION/ELEVATION DETAILS				
	A3.03 SECTION/ELEVATION DETAILS				
	A4.00 INTERIOR ELEVATION				

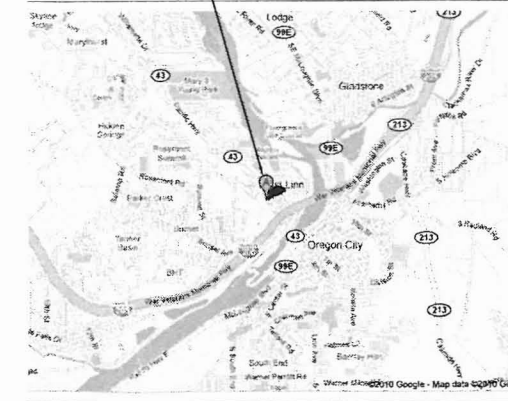
ARCHITECTURAL ABBREVIATIONS

L ANGLE	EA EACH	GA GAUGE	NA NOT APPLICABLE	T TEMPERED GLAZING
AB ANCHOR BOLT	EF EXHAUST FAN	GALV GALVANIZED	NIC NOT IN CONTRACT	TC TOP OF CURB
ACT ACOUSTICAL CEILING TILE	EJ EXPANSION JOINT	GB GRAB BAR	NOM NOMINAL	TEL TELEPHONE
ADD ADDENDUM	EL ELEVATION	GC GENERAL CONTRACTOR	NS NELSON STUD	T&G TONGUE AND GROOVE
A.F.F. ABOVE FINISH FLOOR	ELEC ELECTRICAL	GL GLASS	NTS NOT TO SCALE	THK THICK
ALS AREA LIGHT STANDARD	E.O.S. EDGE OF SLAB	GND GROUND	OA OVERALL	TJ TOOL JOINT
ALUM ALUMINUM	ENGR ENGINEER	GVP GYPSUM VENEER PLASTER	OC ON CENTER	TP TOP OF PAVEMENT
ANOD ANODIZED	EQ EQUAL	GWB GYPSUM WALL BOARD	O.D. OVERHEAD DRAIN	TYP TYPICAL
BC BOTTOM OF CURB	EQUIP EQUIPMENT	HB HOSE BIB	OD OUTSIDE DIAMETER	TOD TOP OF (MATERIAL)
BD BOARD	ES EACH SIDE	HC HANDICAP	OPNG OPENING	UNFIN UNFINISHED
BLDG BUILDING	EW EACH WAY	HOWR HARDWARE	OPP OPPOSITE	UNO UNLESS NOTED OTHERWISE
BKG BLOCKING	EXST EXISTING	HM HOLLOW METAL	OS OUTSIDE	VB VAPOR BARRIER
B.M. BENCH MARK	EXP EXPANSION	HW HOT WATER	PIP POURED IN PLACE	VERT VERTICAL
SM SEAM	EXT EXTERIOR	HVAC HEATING, VENTILATION AND AIR CONDITIONING	PL PLASTER	VEST VESTIBULE
BOT BOTTOM	FA FIRE ALARM	INSUL INSULATION	PLAS PLASTER	VFY VERIFY
BTU BRITISH THERMAL UNIT	FBO FURNISHED BY OTHERS	INT INTERIOR	PLYW PLYWOOD	WI WITH
BTWN BETWEEN	FD FLOOR DRAIN	JAN JANITOR	PSF PER SQUARE FOOT	WC WATER CLOSET
COR C CHANNEL	FDN FOUNDATION	JT JOINT	P.T. PRESSURE TREATED	WD WOOD
CB CATCH BASIN	FE FIRE EXTINGUISHER	JST JOIST	PVMT PAVEMENT	WF WIDE FLANGE
CCTV CLOSED CIRCUIT TV	FEC FIRE EXTINGUISHER CABINET	L LENGTH	R. D. ROOF DRAIN	WG WIRE GLASS
CG CORNER GUARD	FF FINISH FLOOR	LAV LAVATORY	REF REFERENCE	WH WATER HEATER
CLG CEILING	FFE FINISH FLOOR ELEVATION	LS LANDSCAPING	REFR REFRIGERATOR	WID WITHOUT
CLR CLEAR	FN FINISH	LKR LOCKER	REV REVISE OR REVISION	WP WATERPROOFING
CJ CONTROL JOINT	FL FLOOR	LVR LOUVER	R.O. ROUGH OPENING	WT WEIGHT
CMU CONCRETE MASONRY UNIT	FO FACE OF	LX LOCKER	RCP REFLECTED CEILING PLAN	
CONT CONTINUOUS	FOC FACE OF CONCRETE	LX LOCKER	SC SOLID CORE	
CORR CORRIDOR	FOF FACE OF FINISH	LX LOCKER	SECT SECTION	
CSJ CONSTRUCTION JOINT	FOM FACE OF MASONRY	LX LOCKER	SFT SHEATHING	
CSMT CASEMENT	FOS FACE OF STUD	LX LOCKER	SHR SHOWER	
CT CERAMIC TILE	FOIC FURNISHED BY OWNER INSTALLED	MATL MATERIAL	SHT SHEET	
CTR CENTER	FOICBY FURNISHED BY CONTRACTOR	MAX MAXIMUM	SM SIMILAR	
E CENTERLINE	FOICBYO FURNISHED BY OWNER INSTALLED	MED MEDIUM	SJ SEISMIC JOINT	
DBL DOUBLE	FRT FIRE RETARDANT TREATED	MEZZ MEZZANINE	SM SHEET METAL	
DTL DETAIL	FRT FIRE RETARDANT TREATED	MFR MANUFACTURER	SPEC SPECIFICATION	
DF DRINKING FOUNTAIN	FURR FURRING	MH MANHOLE	SQ SQUARE	
DIA DIAMETER		MIR MIRROR	SS STAINLESS STEEL	
DAG DIAGONAL		MISC MISCELLANEOUS	STD STANDARD	
DIAM DIMENSION		MTD MOUNTED	STL STEEL	
DISP DISPENSER		MTL METAL	STOR STORAGE	
DN DOWN			STRUCT STRUCTURAL	
DN DAMPROOFING			SUSP SUSPENDED	
DR DOOR				
DS DOWN SPOUT				
DT DRAIN TILE				
DWG DRAWING				

ARCHITECTURAL SYMBOLS

	DRAWING ORIENTATION NORTH		GRID LINE
	ROOM NAME & NUMBER		DRAWING NUMBER
	DOOR OR WINDOW TYPE		BUILDING SECTION
	KEYNOTE REFERENCE		SHEET NUMBER
	CEILING PLANE HEIGHT - ALL REFERENCES TO FINISH FLOOR ELEVATION		WALL SECTION
	INTERIOR FINISH TYPE		DRAWING NUMBER
	HORIZONTAL ELEVATION PLANE HEIGHT - ALL REFERENCES TO F.F.E.		DRAWING NUMBER
	SPOT ELEVATION - ALL REFERENCES TO F.F.E.		INTERIOR ELEVATION
	WALL TYPE WITH RATING WHERE APPLICABLE		DETAIL NUMBER
	DOOR NUMBER - SEE DOOR SCHEDULE		DETAIL NUMBER
	RELITE NUMBER - SEE RELITE SCHEDULE		REVISION CLOUD

VICINITY MAP



5464 West A Street,
West Linn, OR



project # 09001
march 2010
WLHS BASEBALL SEATING
Design Review



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

807 SW STARK STREET, PORTLAND, OREGON 97205
t: (503) 226-8886 f: (503) 273-9192 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District
22210 SW Stafford Road Tualatin, OR 97062
t: (503) 673 7975
f: (503) 673 7044

WINZLER & KELLY
15575 SW SEQUOIA PARKWAY, SUITE 140
PORTLAND, OR 97224
PH (503) 226-3621 • FAX (503) 226-3626
WWW.W-K.COM



key plan

phase | design review

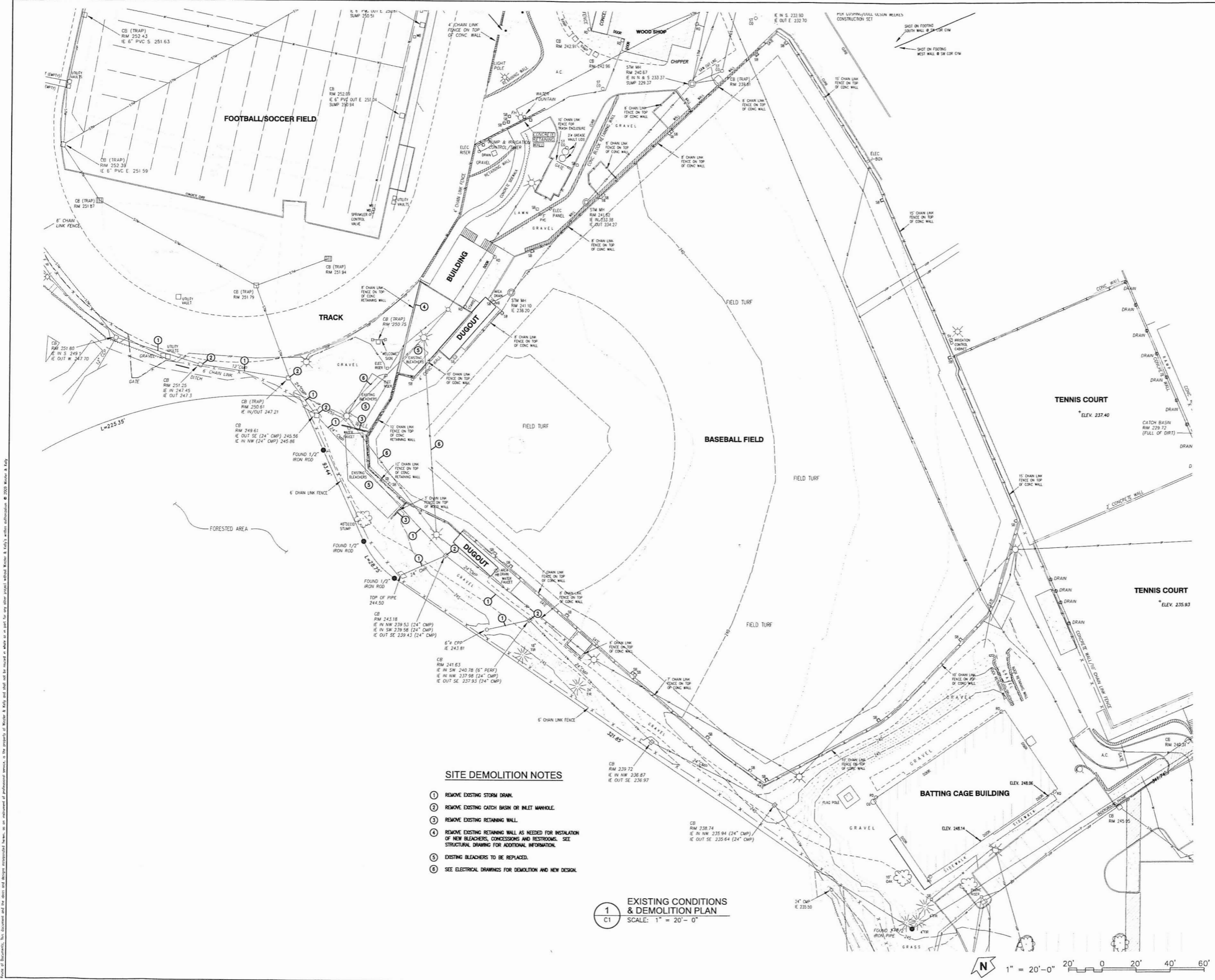
date | April 12, 2010

revisions

project # | 09001

EXISTING CONDITIONS
& DEMOLITION

C1



SITE DEMOLITION NOTES

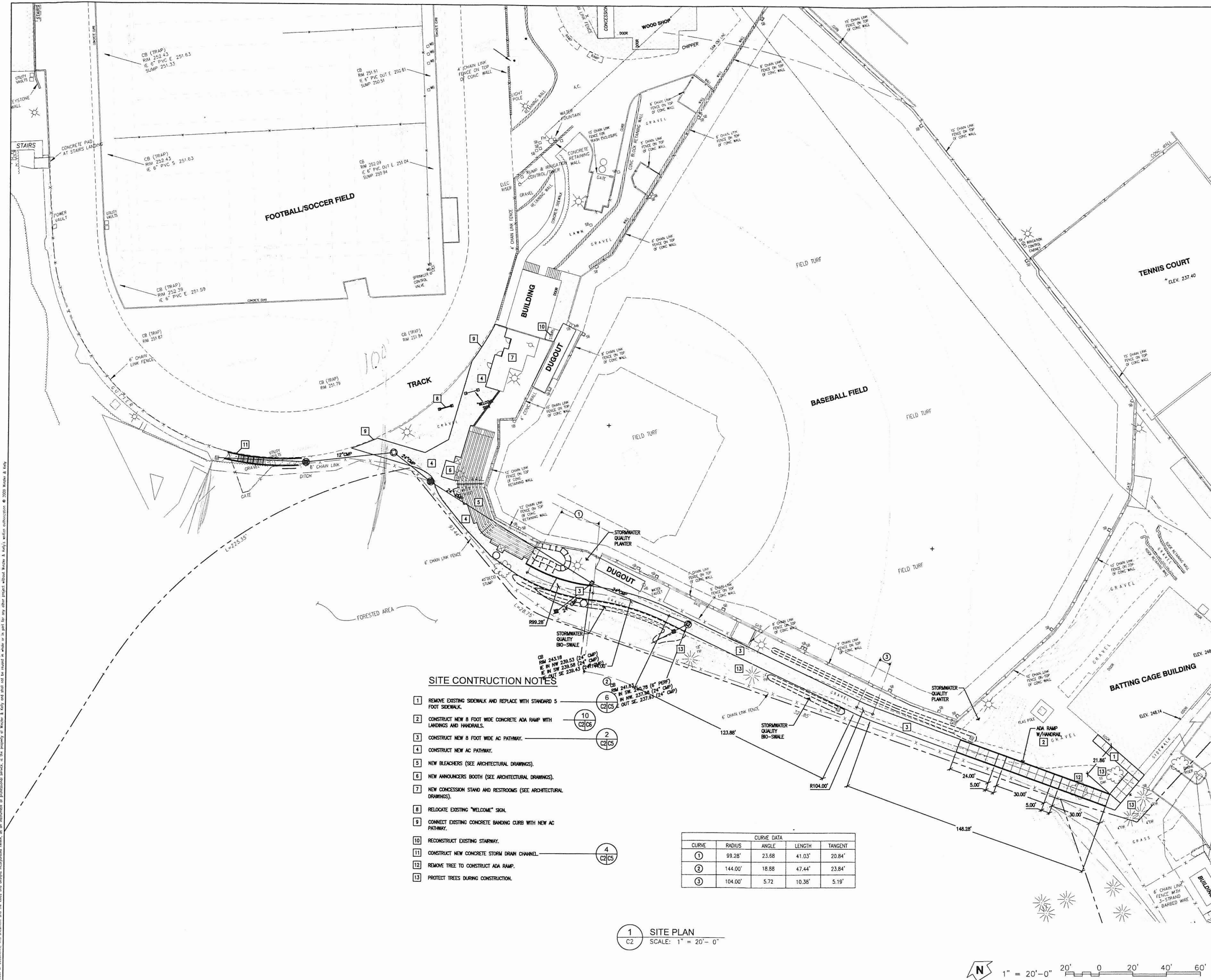
- 1 REMOVE EXISTING STORM DRAIN.
- 2 REMOVE EXISTING CATCH BASIN OR INLET MANHOLE.
- 3 REMOVE EXISTING RETAINING WALL.
- 4 REMOVE EXISTING RETAINING WALL AS NEEDED FOR INSTALLATION OF NEW BLEACHERS, CONCESSIONS AND RESTROOMS. SEE STRUCTURAL DRAWING FOR ADDITIONAL INFORMATION.
- 5 EXISTING BLEACHERS TO BE REPLACED.
- 6 SEE ELECTRICAL DRAWINGS FOR DEMOLITION AND NEW DESIGN.

1 EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: 1" = 20'-0"



Review of Documents: This document and the sheets and design incorporated herein, as the property of Winzler & Kelly and used for the project for any other project without the written consent of Winzler & Kelly, is the property of Winzler & Kelly and shall not be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Winzler & Kelly.

Name of Documents, This document and the sites and designs incorporated herein, is the property of Winzler & Kelly, and shall not be used in whole or in part for any other project without the written consent of Winzler & Kelly, architect. © 2010 Winzler & Kelly

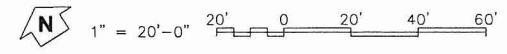


SITE CONSTRUCTION NOTES

- 1 REMOVE EXISTING SIDEWALK AND REPLACE WITH STANDARD 5 FOOT SIDEWALK.
- 2 CONSTRUCT NEW 8 FOOT WIDE CONCRETE ADA RAMP WITH LANDINGS AND HANDRAILS.
- 3 CONSTRUCT NEW 8 FOOT WIDE AC PATHWAY.
- 4 CONSTRUCT NEW AC PATHWAY.
- 5 NEW BLEACHERS (SEE ARCHITECTURAL DRAWINGS).
- 6 NEW ANNOUNCERS BOOTH (SEE ARCHITECTURAL DRAWINGS).
- 7 NEW CONCESSION STAND AND RESTROOMS (SEE ARCHITECTURAL DRAWINGS).
- 8 RELOCATE EXISTING "WELCOME" SIGN.
- 9 CONNECT EXISTING CONCRETE BANDING CURB WITH NEW AC PATHWAY.
- 10 RECONSTRUCT EXISTING STAIRWAY.
- 11 CONSTRUCT NEW CONCRETE STORM DRAIN CHANNEL.
- 12 REMOVE TREE TO CONSTRUCT ADA RAMP.
- 13 PROTECT TREES DURING CONSTRUCTION.

CURVE DATA				
CURVE	RADIUS	ANGLE	LENGTH	TANGENT
①	99.28'	23.68°	41.03'	20.84'
②	144.00'	18.88°	47.44'	23.84'
③	104.00'	5.72°	10.38'	5.19'

1 SITE PLAN
 C2 SCALE: 1" = 20' - 0"



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
 architects inc.

807 SW STARK STREET, PORTLAND, OREGON 97205
 T: 503 226 6850 F: 503 273 9192 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District
 22210 SW Stafford Road Tualatin, OR 97062
 t: (503) 673 7975
 f: (503) 673 7044

WINZLER & KELLY
 1575 SW SEQUOIA PARKWAY, SUITE 140
 PORTLAND, OR 97224
 PH (503) 226-3621 • FAX (503) 226-3628
 WWW.WK-ND.COM



key plan

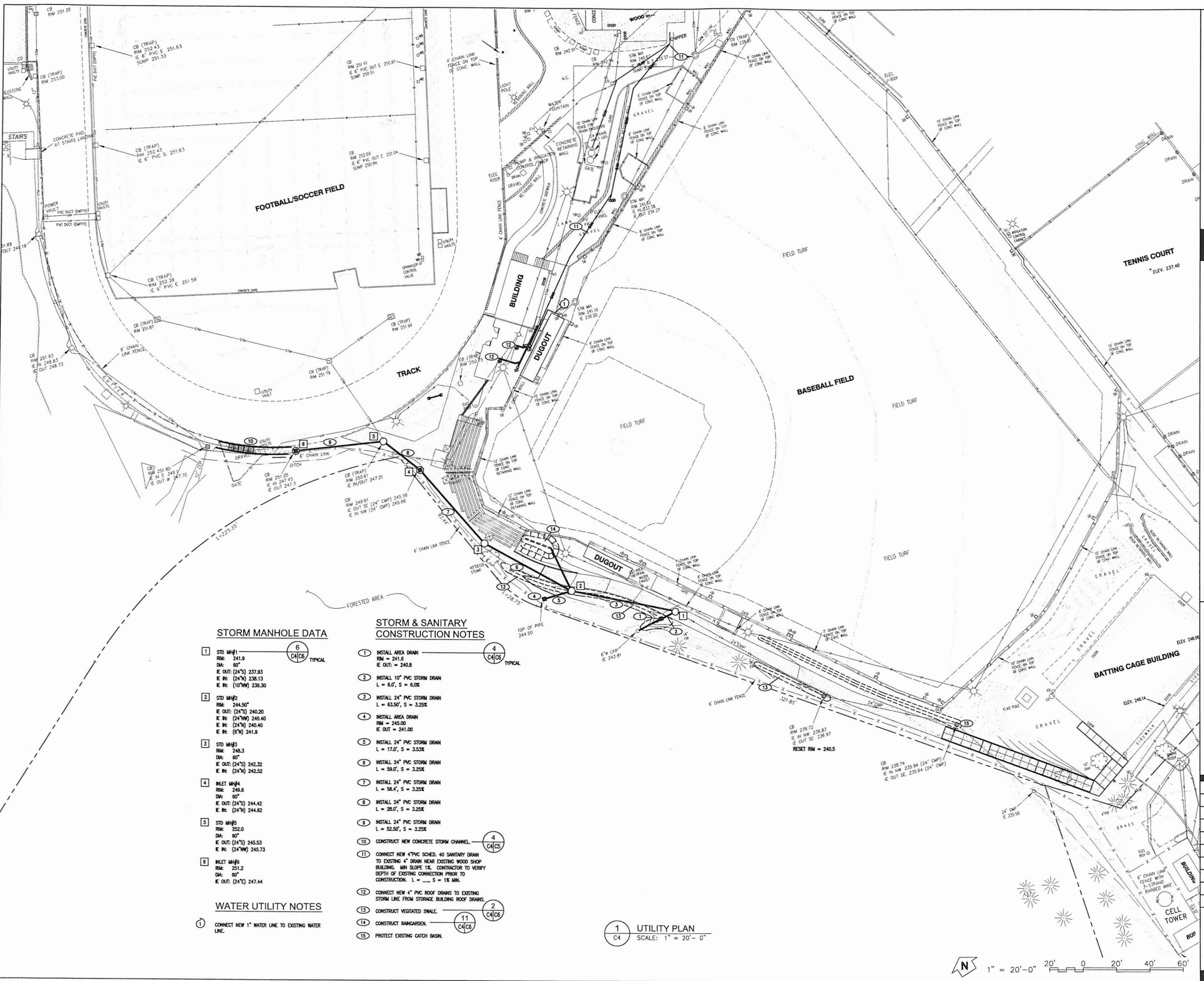
phase	design review
date	April 12, 2010
revisions	

project # | 09001

SITE PLAN

C2

Date of Document: This document and the notes and design incorporated herein, as well as all other documents, drawings, specifications, and contracts for any other project, shall be deemed to be incorporated herein by reference. © 2010 Winzler & Kelly



STORM MANHOLE DATA

- 1 STD MH#1
RM = 241.9
DA: 60"
E OUT: (24") 237.83
E IN: (24") 236.13
E IN: (10") 239.30
- 2 STD MH#2
RM = 244.50"
E OUT: (24") 240.20
E IN: (24") 240.40
E IN: (24") 240.40
E IN: (6") 241.9
- 3 STD MH#3
RM = 248.3
DA: 60"
E OUT: (24") 242.32
E IN: (24") 242.52
- 4 INLET MH#4
RM = 248.6
DA: 80"
E OUT: (24") 244.42
E IN: (24") 244.82
- 5 STD MH#5
RM = 252.0
DA: 60"
E OUT: (24") 245.53
E IN: (24") 245.73
- 6 INLET MH#6
RM = 251.2
DA: 60"
E OUT: (24") 247.44

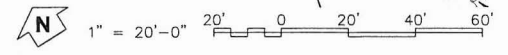
WATER UTILITY NOTES

- 1 CONNECT NEW 1" WATER LINE TO EXISTING WATER LINE.

STORM & SANITARY CONSTRUCTION NOTES

- 1 INSTALL AREA DRAIN
RM = 241.6
E OUT: = 240.8
- 2 INSTALL 10" PVC STORM DRAIN
L = 6.0', S = 6.0%
- 3 INSTALL 24" PVC STORM DRAIN
L = 63.50', S = 3.25%
- 4 INSTALL AREA DRAIN
RM = 245.00
E OUT = 241.00
- 5 INSTALL 24" PVC STORM DRAIN
L = 17.0', S = 3.53%
- 6 INSTALL 24" PVC STORM DRAIN
L = 59.0', S = 3.25%
- 7 INSTALL 24" PVC STORM DRAIN
L = 58.4', S = 3.25%
- 8 INSTALL 24" PVC STORM DRAIN
L = 28.0', S = 3.25%
- 9 INSTALL 24" PVC STORM DRAIN
L = 52.50', S = 3.25%
- 10 CONSTRUCT NEW CONCRETE STORM CHANNEL.
- 11 CONNECT NEW 4" PVC SCHED. 40 SANITARY DRAIN TO EXISTING 4" DRAIN NEAR EXISTING WOOD SHOP BUILDING. MIN SLOPE 1%. CONTRACTOR TO VERIFY DEPTH OF EXISTING CONNECTION PRIOR TO CONSTRUCTION. L = — S = 1% MIN.
- 12 CONNECT NEW 4" PVC ROOF DRAINS TO EXISTING STORM LINE FROM STORAGE BUILDING ROOF DRAINS.
- 13 CONSTRUCT VEGETATED SWALE.
- 14 CONSTRUCT RANGARDEN.
- 15 PROTECT EXISTING CATCH BASIN.

1 UTILITY PLAN
SCALE: 1" = 20' - 0"



ARCHITECTURE - INTERIORS - PLANNING

DULL OLSON WEEKES ARCHITECTS INC.

807 SW STARK STREET - PORTLAND, OREGON 97204
 T: (503) 226-8933 / (503) 225-3122 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District
22210 SW Stafford Road Tualatin, OR 97062

t: (503) 673 7975
f: (503) 673 7044

WINZLER & KELLY

15575 SW SEQUOIA PARKWAY, SUITE 146
PORTLAND, OR 97224
PH (503) 226-3821 • FAX (503) 226-3828
WWW.WINK-K.COM

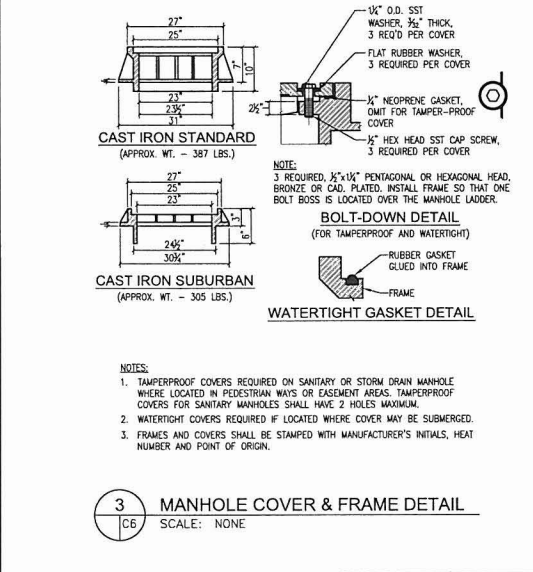
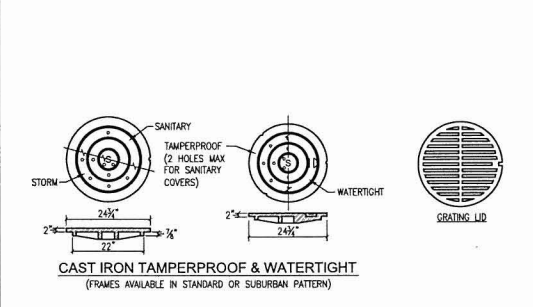
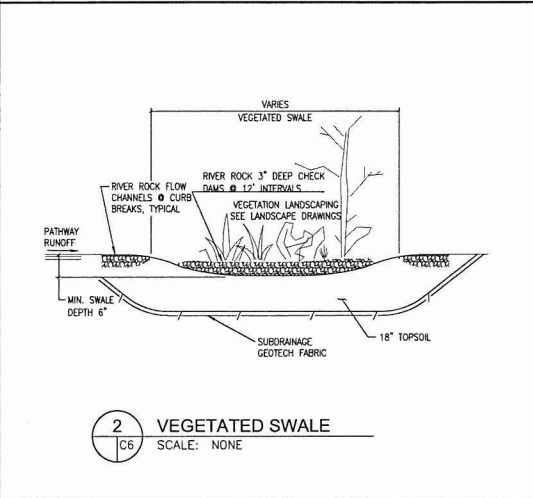
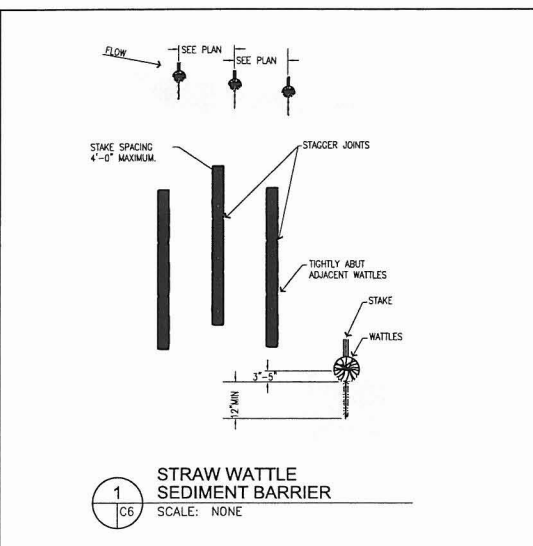
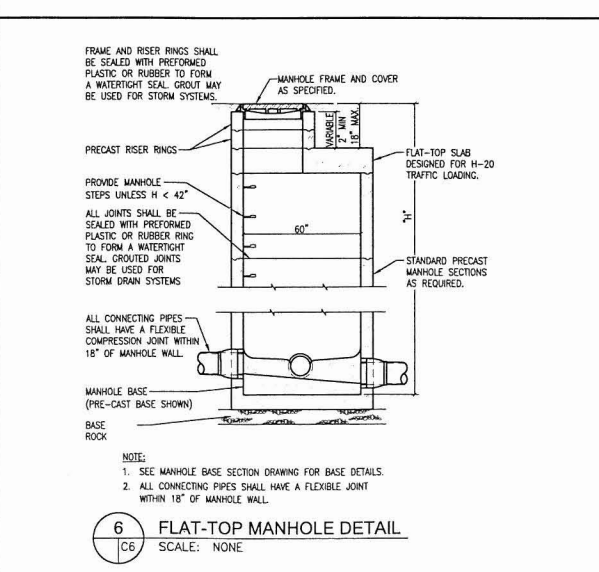
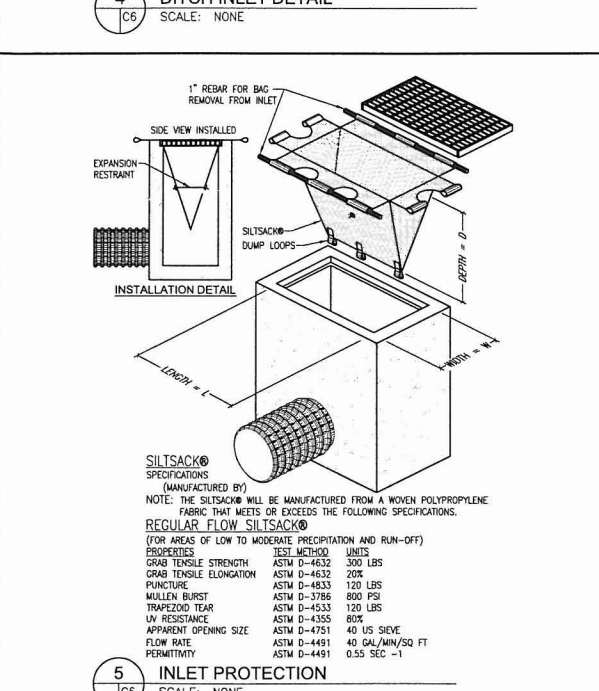
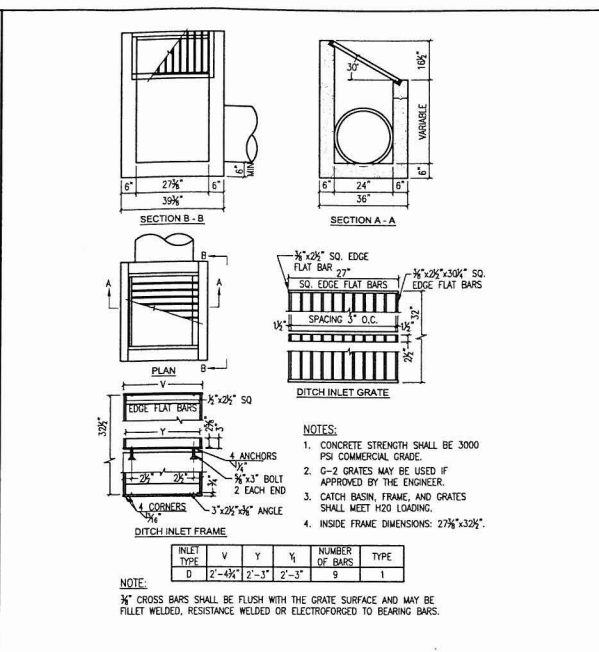
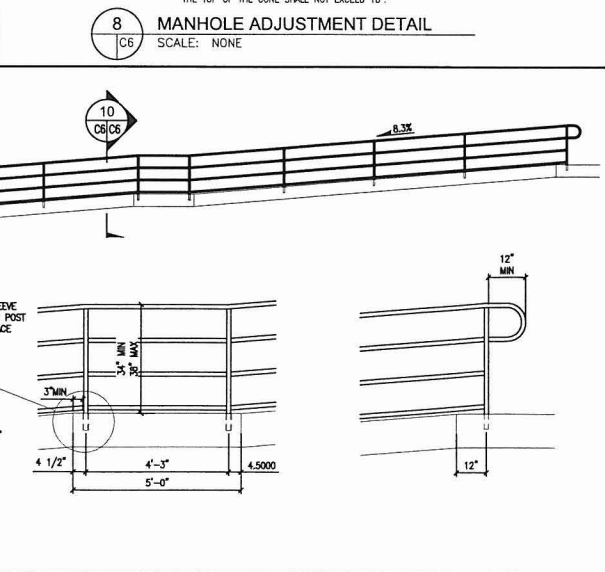
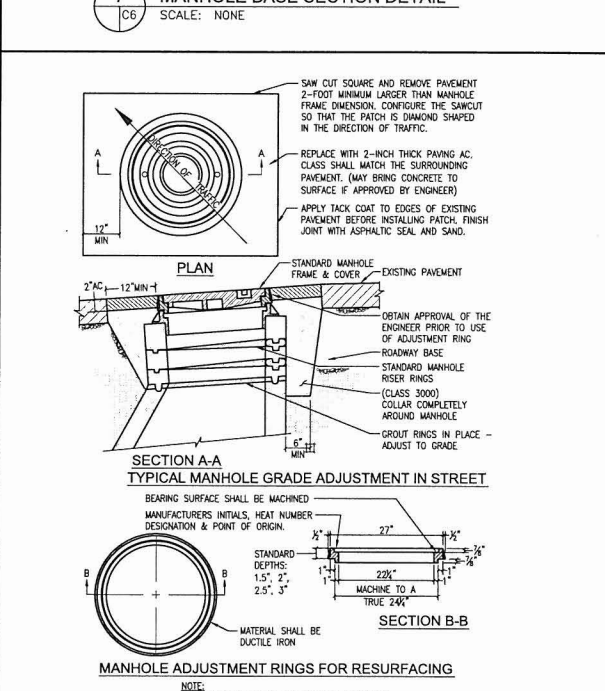
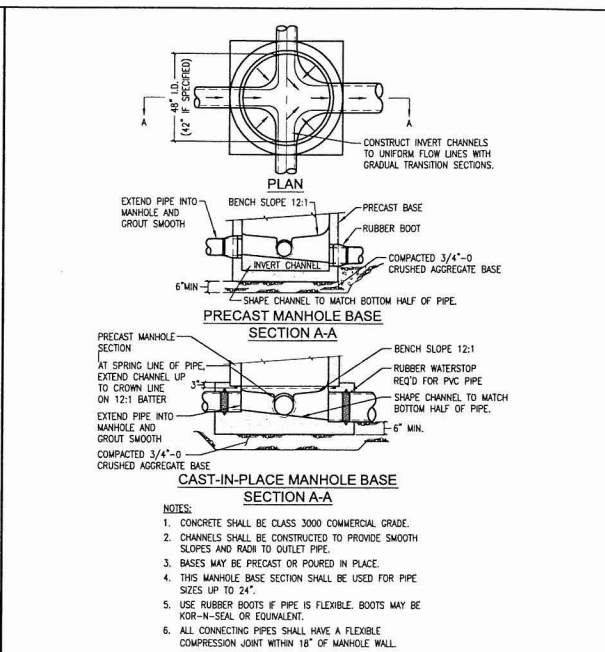
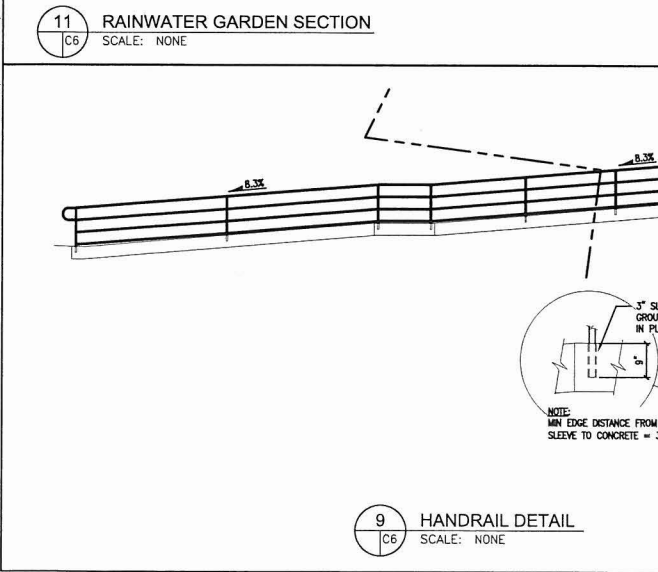
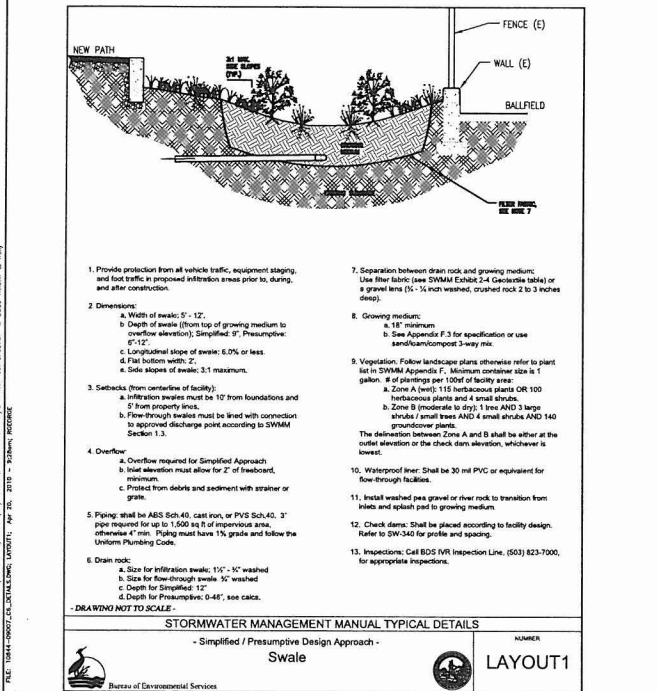
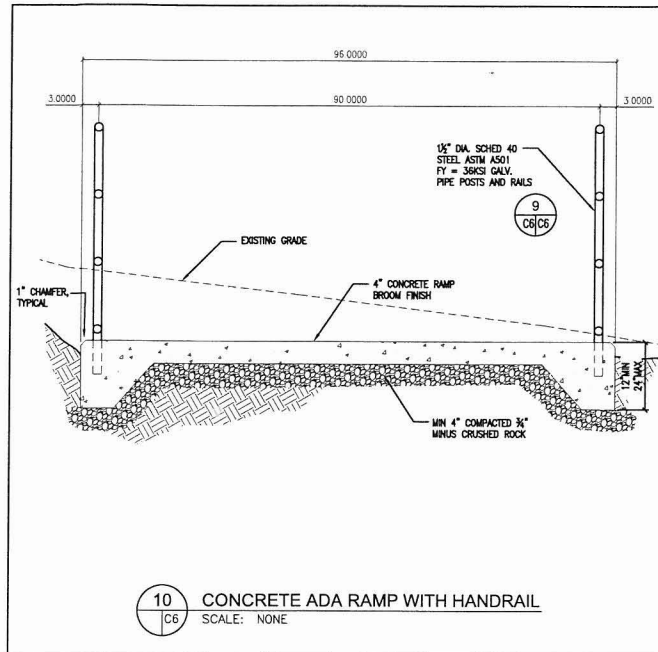


key plan

phase	design review
date	April 12, 2010
revisions	
project #	109001

UTILITY PLAN

C4



lowa
ARCHITECTURE • INTERIORS • PLANNING
DULL OLSON WEEKES
ARCHITECTS INC.
855 06 STARK AVENUE • PORTLAND, OREGON 97205
T: (503) 218 8845 / F: (503) 273 3122
www.dullolson.com

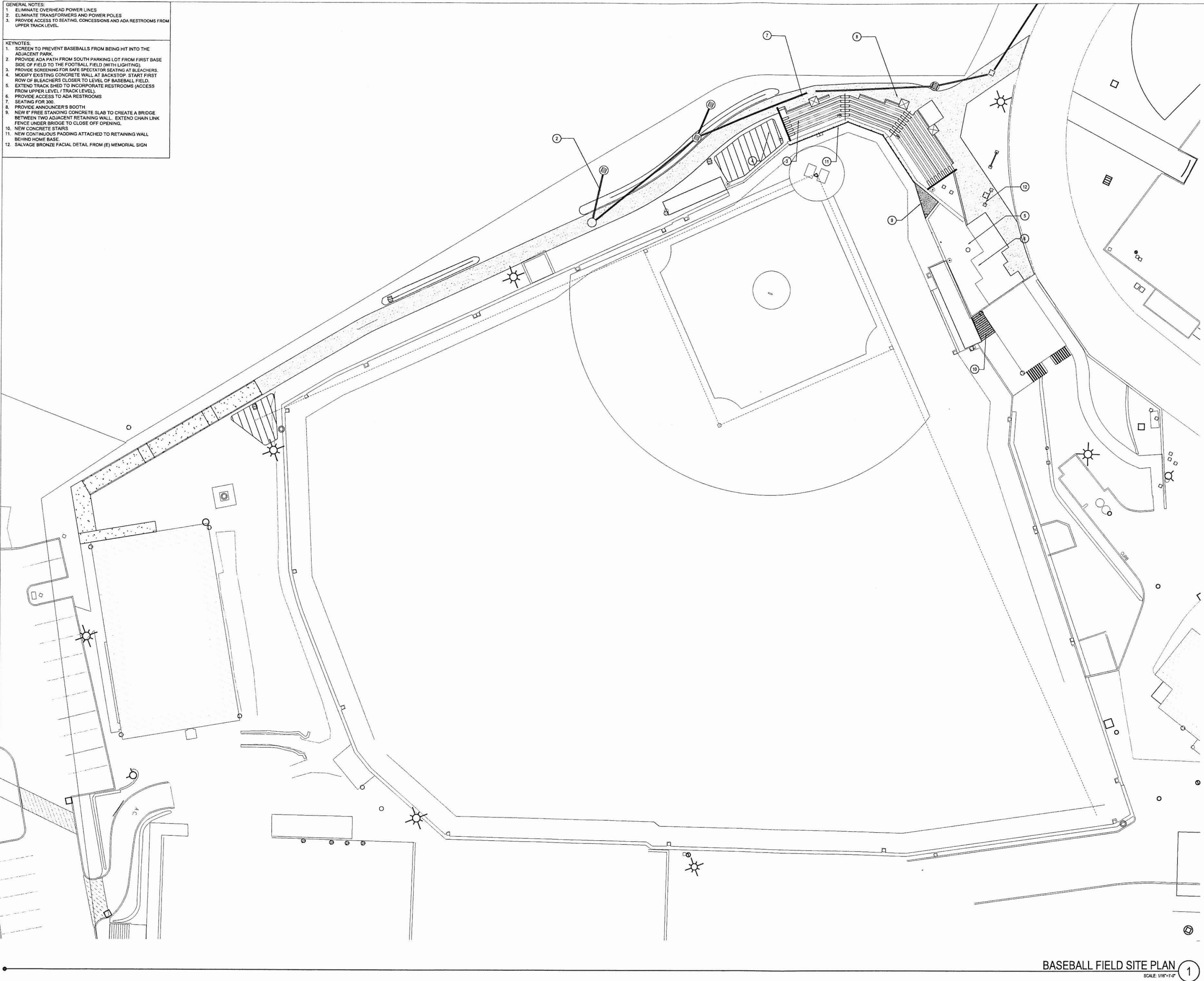
WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stafford Road Tualatin, OR 97062
t: (503) 673 7975
f: (503) 673 7044

WINZLER & KELLY
15575 SW SEQUOIA PARKWAY, SUITE 140
PORTLAND, OR 97224
PH (503) 226-8621 • FAX (503) 226-8628
WWW.WKAND.COM

key plan

phase	design review
date	April 12, 2010
revisions	
project #	09001
DETAILS	
C6	

- GENERAL NOTES:
1. ELIMINATE OVERHEAD POWER LINES
 2. ELIMINATE TRANSFORMERS AND POWER POLES
 3. PROVIDE ACCESS TO SEATING, CONCESSIONS AND ADA RESTROOMS FROM UPPER TRACK LEVEL.
- KEYNOTES:
1. SCREEN TO PREVENT BASEBALLS FROM BEING HIT INTO THE ADJACENT PARK.
 2. PROVIDE ADA PATH FROM SOUTH PARKING LOT FROM FIRST BASE SIDE OF FIELD TO THE FOOTBALL FIELD (WITH LIGHTING).
 3. PROVIDE SCREENING FOR SAFE SPECTATOR SEATING AT BLEACHERS.
 4. MODIFY EXISTING CONCRETE WALL AT BACKSTOP. START FIRST ROW OF BLEACHERS CLOSER TO LEVEL OF BASEBALL FIELD.
 5. EXTEND TRACK SHED TO INCORPORATE RESTROOMS (ACCESS FROM UPPER LEVEL / TRACK LEVEL).
 6. PROVIDE ACCESS TO ADA RESTROOMS
 7. SEATING FOR 300.
 8. PROVIDE ANNOUNCER'S BOOTH
 9. NEW 8" FREE STANDING CONCRETE SLAB TO CREATE A BRIDGE BETWEEN TWO ADJACENT RETAINING WALL. EXTEND CHAIN LINK FENCE UNDER BRIDGE TO CLOSE OFF OPENING.
 10. NEW CONCRETE STAIRS
 11. NEW CONTINUOUS PAVING ATTACHED TO RETAINING WALL BEHIND HOME BASE.
 12. SALVAGE BRONZE FACIAL DETAIL FROM (E) MEMORIAL SIGN



BASEBALL FIELD SITE PLAN 1
SCALE: 1/16"=1'-0"

iowa
ARCHITECTURE • INTERIORS • PLANNING

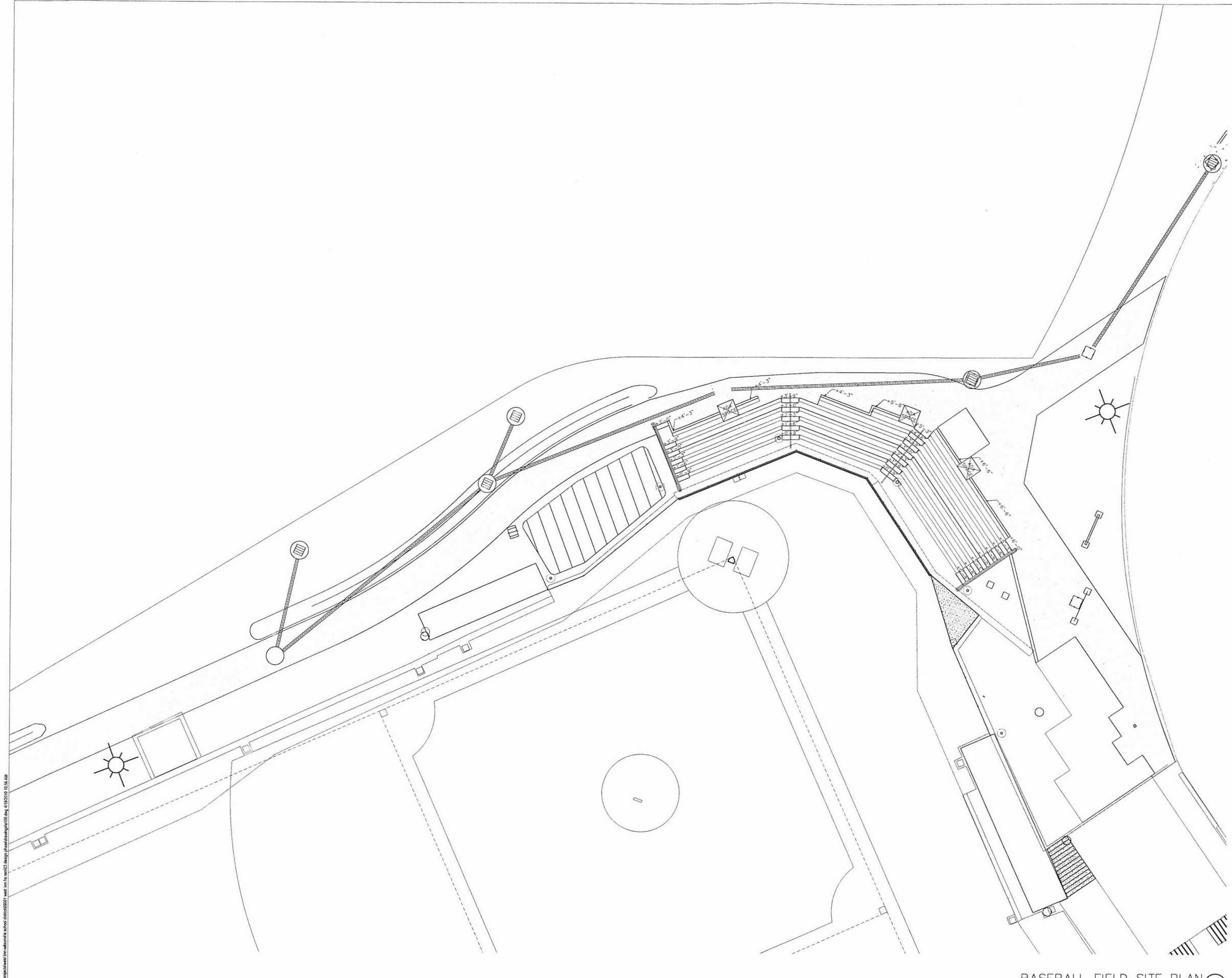
DULL OLSON WEEKES
architects inc.

907 SW STARK STREET, J. PORTLAND, OREGON 97205
T: 503 228 0950 / F: 503 273 9192 / www.dow.com

WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

key plan	
phase	design review
date	April 19, 2010
revisions	
project #	09001
OVERALL SITE PLAN	
A1.00	

S:\work\project\west linn wilsonville school district\09001_west linn wilsonville school district\09001_west linn wilsonville school district.dwg 4/19/2010 12:55 AM



I:\projects\2010\04\09\040901\040901.dwg, 4/19/2010 10:56 AM
 I:\projects\2010\04\09\040901\040901.dwg, 4/19/2010 10:56 AM

BASEBALL FIELD SITE PLAN ①
 SCALE: 1/8"=1'-0"


 ARCHITECTURE • INTERIORS • PLANNING
 DULL OLSON WEEKES
 architects inc.
 401 SW STARK STREET, PORTLAND, OREGON 97205
 t: 503 226 1888 / 503 273 3192 www.iowa.com

WLHS Baseball Seating
 West Linn Wilsonville School District
 22210 SW Stafford Rd., Tualatin, OR 97062
 t: (503) 673 7000
 f: (503) 673 7001

key plan	
phase	design review
date	April 19, 2010
revisions	
project #	09001
SITE PLAN	

A1.01



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
ARCHITECTS INC.

807 SW STARK STREET, PORTLAND, OREGON 97205
T: (503) 226-8888 / F: (503) 273-9192 www.iowa.com

WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stafford Rd., Tualatin, OR 97062
T: (503) 673-7000
F: (503) 673-7001

key plan

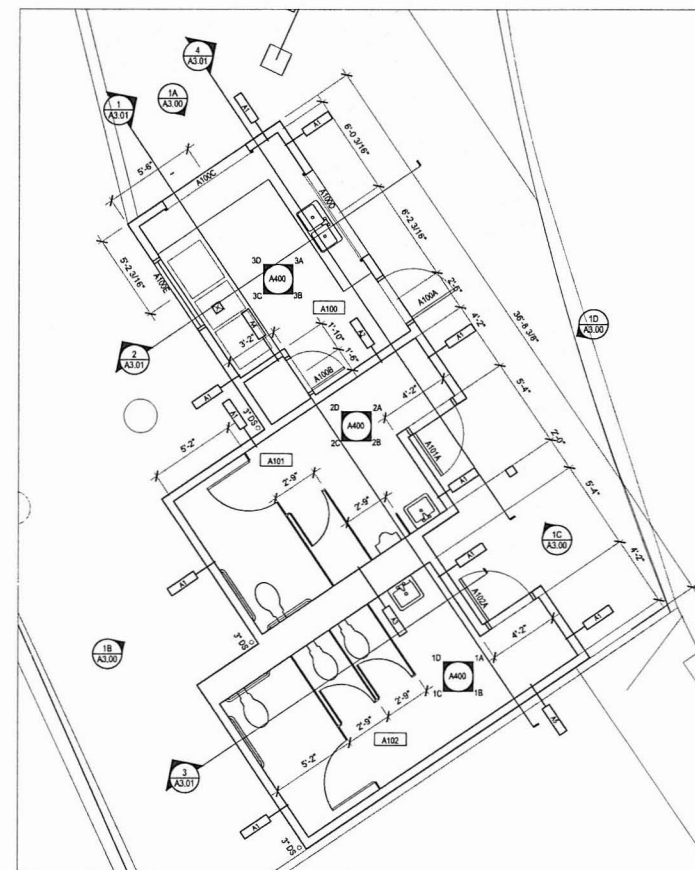
phase design review
date April 19, 2010
revisions

project # 09001
FLOOR PLAN

A2.00



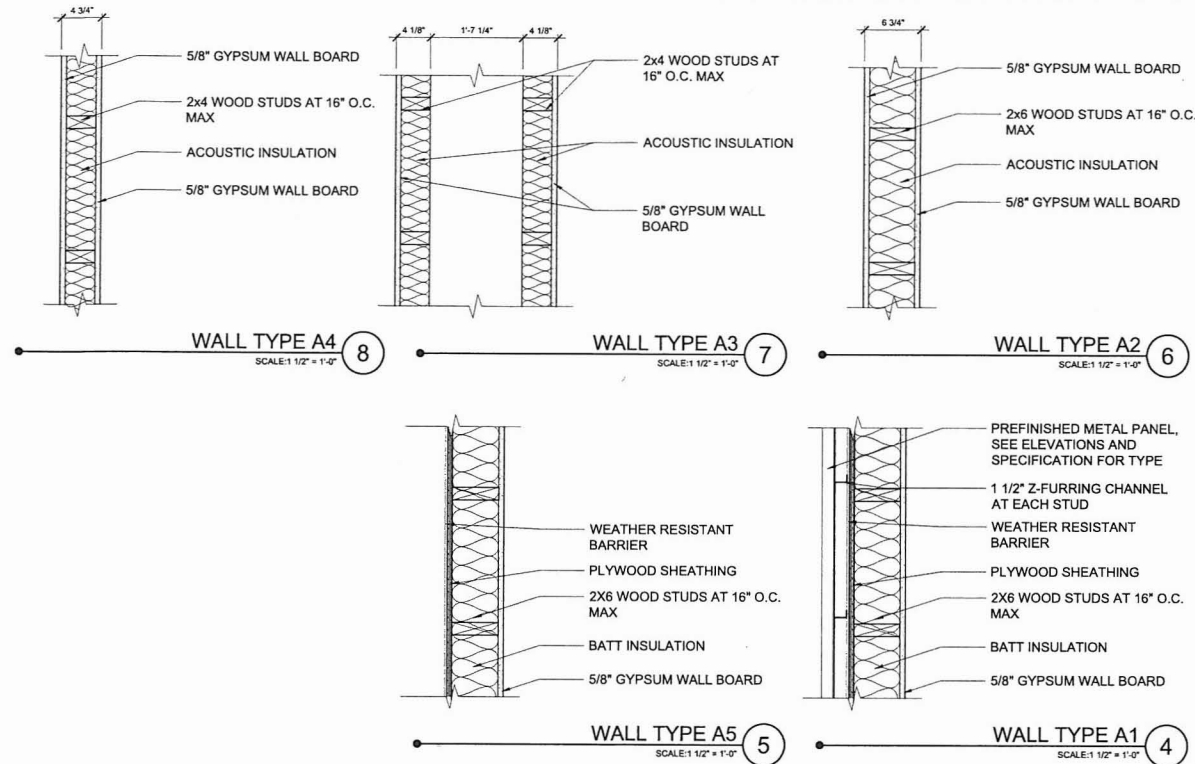
CONSESSION FLOOR FINISH PLAN 3
SCALE: 1/4" = 1'-0"



CONSESSION PLAN 1
SCALE: 1/4" = 1'-0"



CONSESSION RCP PLAN 2
SCALE: 1/4" = 1'-0"



WALL TYPE A4 8
SCALE: 1/2" = 1'-0"

WALL TYPE A3 7
SCALE: 1/2" = 1'-0"

WALL TYPE A2 6
SCALE: 1/2" = 1'-0"

WALL TYPE A5 5
SCALE: 1/2" = 1'-0"

WALL TYPE A1 4
SCALE: 1/2" = 1'-0"

RCP LEGEND:

2x4 FIXTURE	SUPPLY AIR DIFFUSER
STRIP FIXTURE	RETURN AIR DIFFUSER
LINEAR FIXTURE	ACCESS PANEL-SEE MECH. FOR FINAL SIZE AND LOCATION. (NOTE: ADDITIONAL ACCESS PANELS MAY BE REQUIRED-COORD. WITH MECH. AND ELECT.)
OPEN TO STRUCTURE	ACOUSTICAL CEILING TILE PANEL PENETRATION DETAIL:
ACT-1	SUPPLY OR RETURN AIR GRILL OR DIFFUSER
	SPRINKLER HEAD
	PAINTED GYP. BOARD CEILING

GENERAL SHEET NOTES

- MATERIALS IN SIMILAR LOCATIONS NOT NOTED AT EVERY OCCURRENCE.
- FLOOR MATERIALS TYPICALLY EXTEND UNDER CABINETS TO THE KICK AND EXTEND TO WALL UNDER OPEN COUNTERTOPS, UNLESS NOTED OTHERWISE.
- REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

FLOOR FINISH LEGEND

SEALED CONCRETE

I:\Projects\09001 WLHS\09001 WLHS.dwg, 11/20/10 12:39 PM

RCP LEGEND:

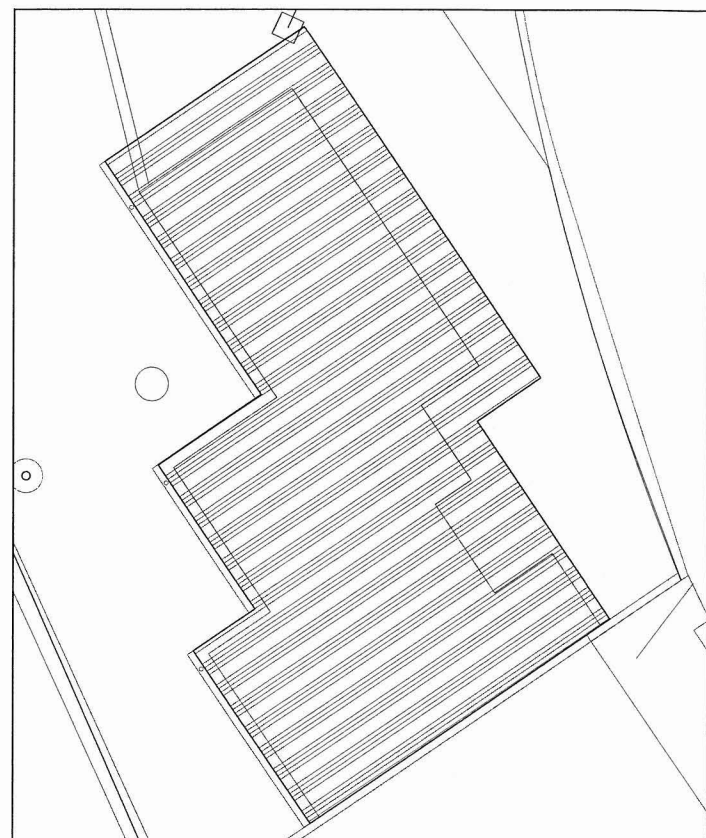
2x4 FIXTURE	SUPPLY AIR DIFFUSER
STRIP FIXTURE	RETURN AIR DIFFUSER
LINEAR FIXTURE	ACCESS PANEL-SEE MECH. FOR FINAL SIZE AND LOCATION. (NOTE: ADDITIONAL ACCESS PANELS MAY BE REQUIRED-COORD. WITH MECH AND ELECT.)
OPEN TO STRUCTURE	ACOUSTICAL CEILING TILE PANEL PENETRATION DETAIL:
ACT-1	SUPPLY OR RETURN AIR GRILL OR DIFFUSER
PAINTED GYP. BOARD CEILING	SPRINKLER HEAD

GENERAL SHEET NOTES

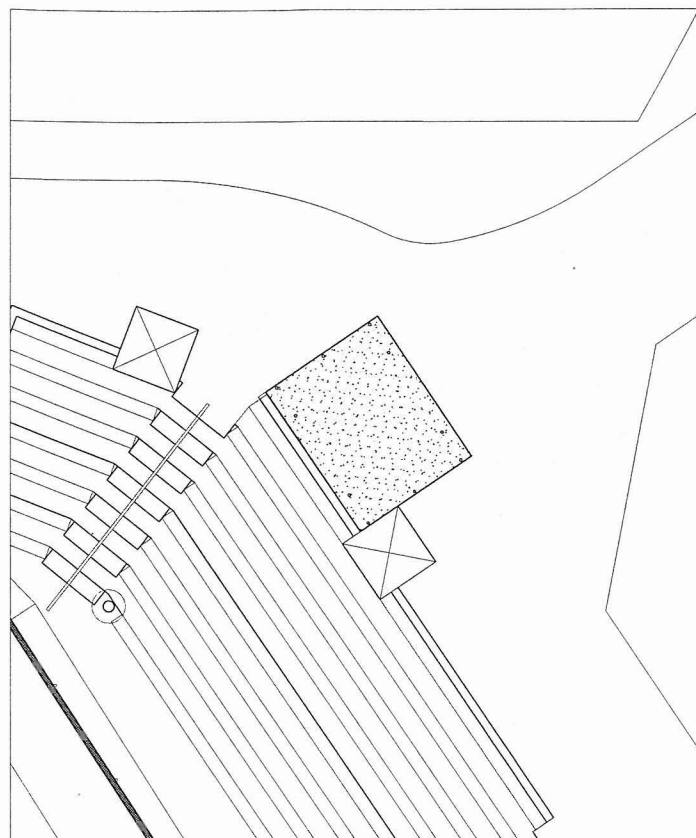
A. MATERIALS IN SIMILAR LOCATIONS NOT NOTED AT EVERY OCCURRENCE.
 B. FLOOR MATERIALS TYPICALLY EXTEND UNDER CABINETS TO THE KICK AND EXTEND TO WALL UNDER OPEN COUNTERS, UNLESS NOTED OTHERWISE.
 C. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

FLOOR FINISH LEGEND

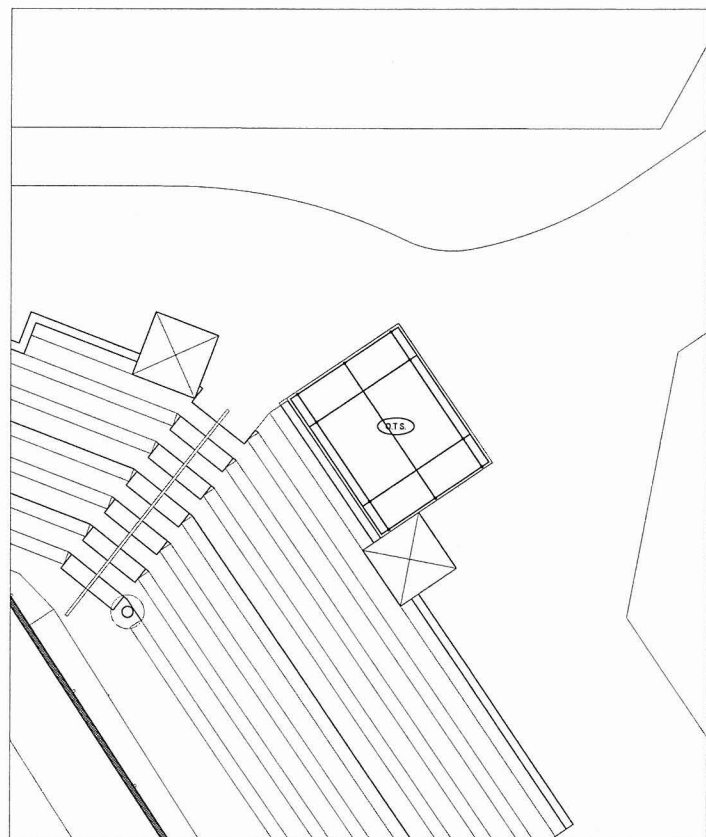
SEALED CONCRETE



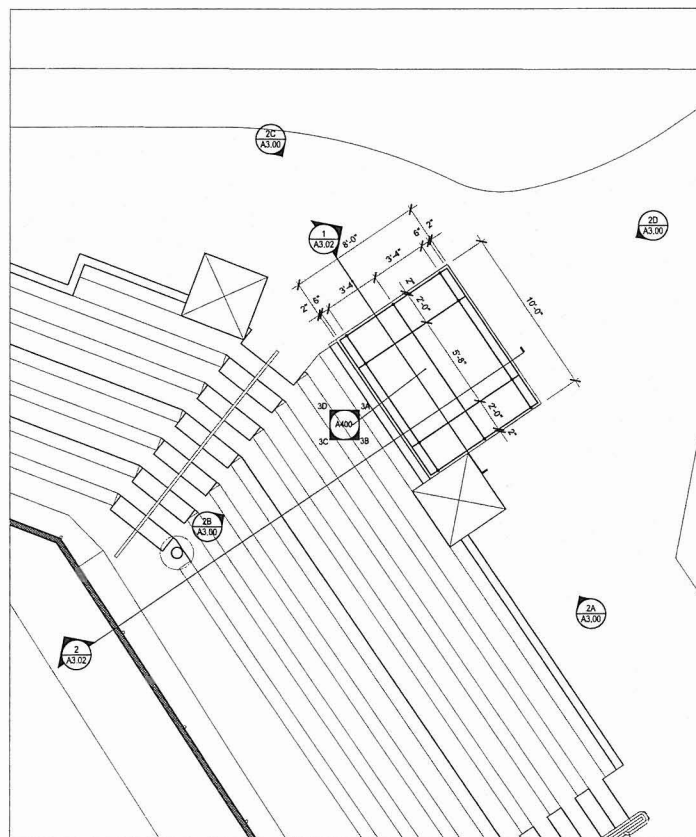
CONSESSION ROOF PLAN 4
SCALE: 1/4" = 1'-0"



ANNOUNCER BOOTH FLOOR FINISHPLAN 3
SCALE: 1/4" = 1'-0"



ANNOUNCER BOOTH RCP PLAN 2
SCALE: 1/4" = 1'-0"



ANNOUNCER BOOTH PLAN 1
SCALE: 1/4" = 1'-0"



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

802 SW STARK STREET, PORTLAND, OREGON 97205
T: (503) 228-8510 F: (503) 273-5112 www.dow.com

WLHS Baseball Seating
 West Linn Wilsonville School District
 22210 SW Stafford Rd, Tualatin, OR 97062
 t: (503) 673 7000
 f: (503) 673 7001

key plan

phase	design review
date	April 19, 2010
revisions	

project # | 09001

ANNOUNCER BOOTH PLANS

A201



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

907 SW STARK STREET, PORTLAND, OREGON 97205
t: 503 224 8950 f: 503 273 9192 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District

22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

key plan

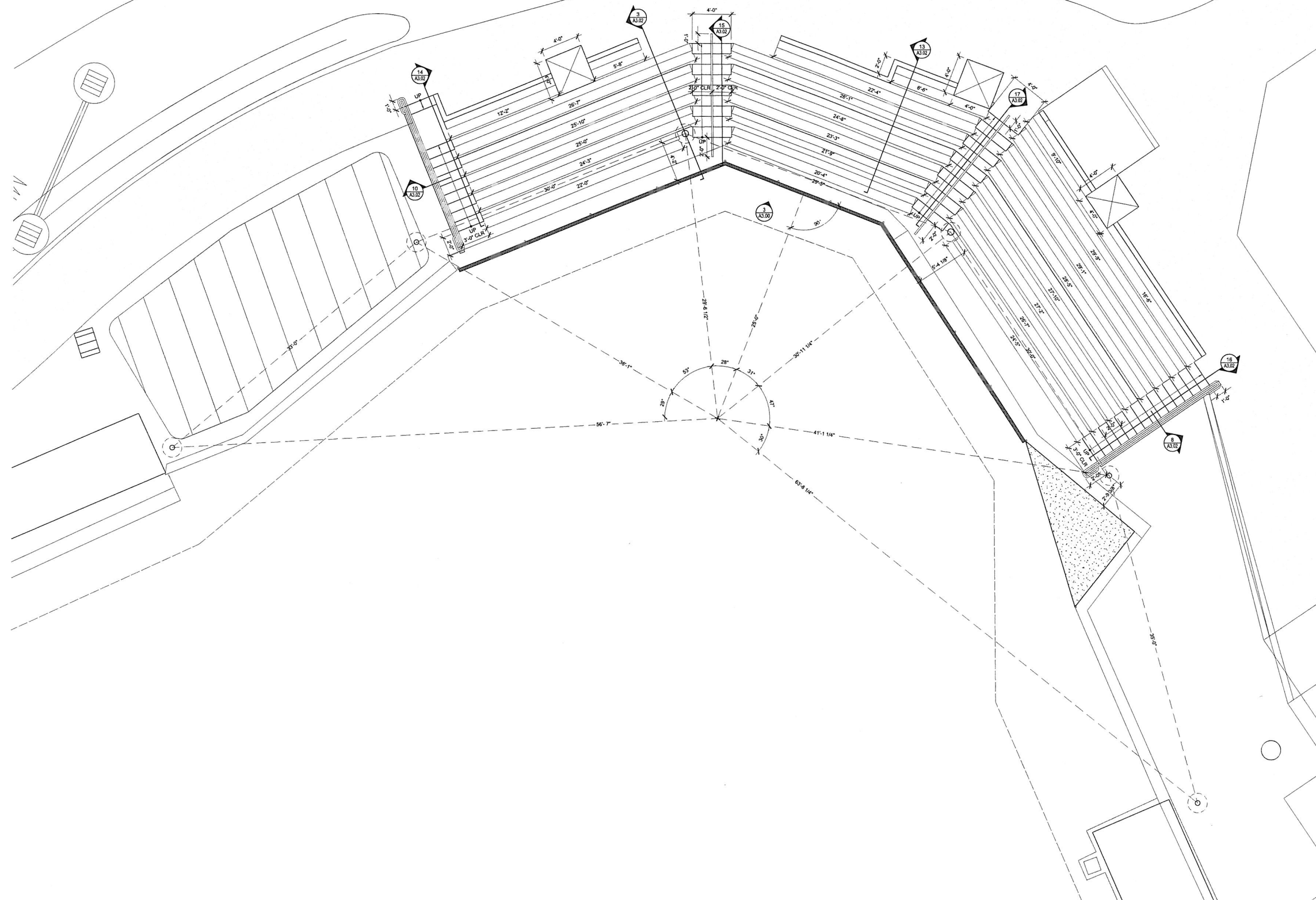
phase	design review
date	April 19, 2010
revisions	

project # | 09001

SEATING
PLAN

A202

BASEBALL SEATING PLAN 1
SCALE: 1/8"=1'-0"



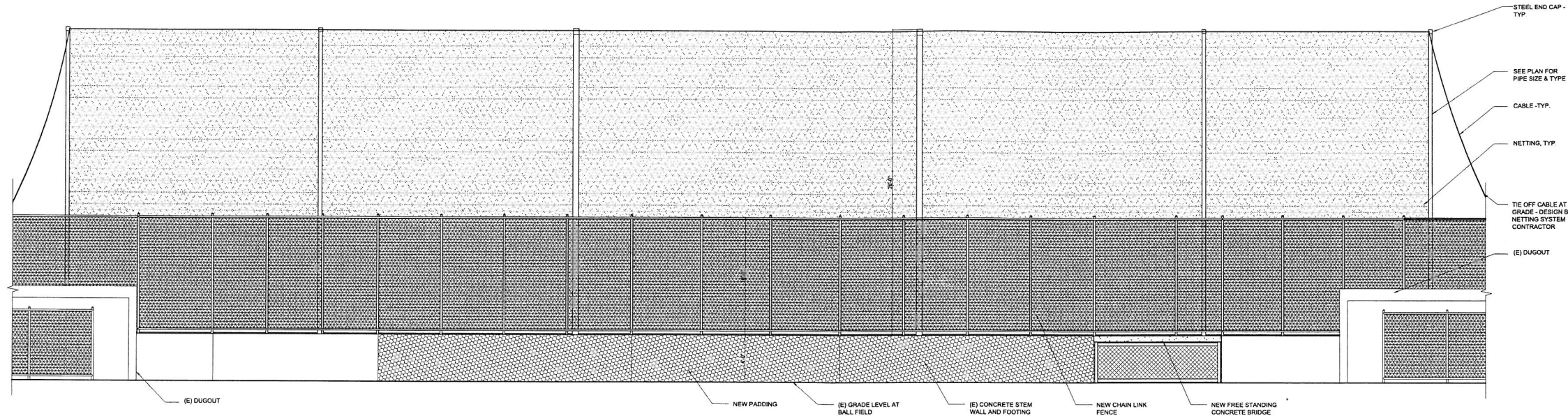
I:\projects\2010\09001 WLHS\01 design\seating\A202.dwg, 11/20/10 11:06 AM



ARCHITECTURE • INTERIORS • PLANNING

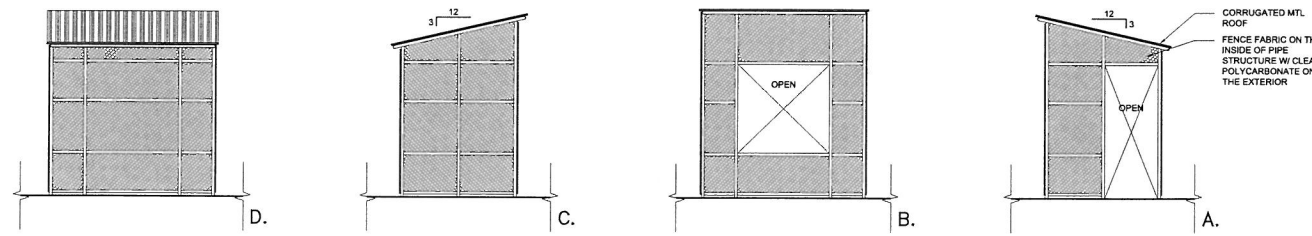
DULL OLSON WEEKES
architects inc.

901 SW STARK STREET, L. PORTLAND, OREGON 97205
P: 503 224 8950 F: 503 273 9192 www.dow.com



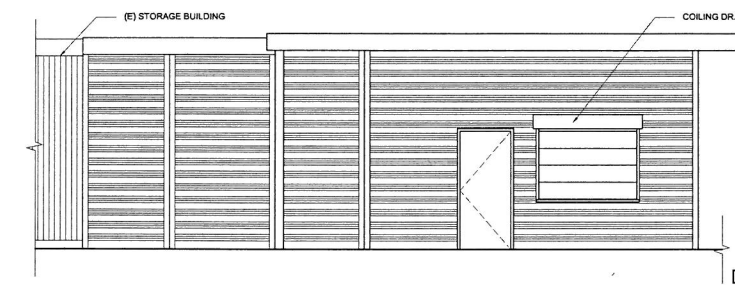
PROTECTIVE NETTING ELEVATION 3

SCALE 1/4" = 1'-0"



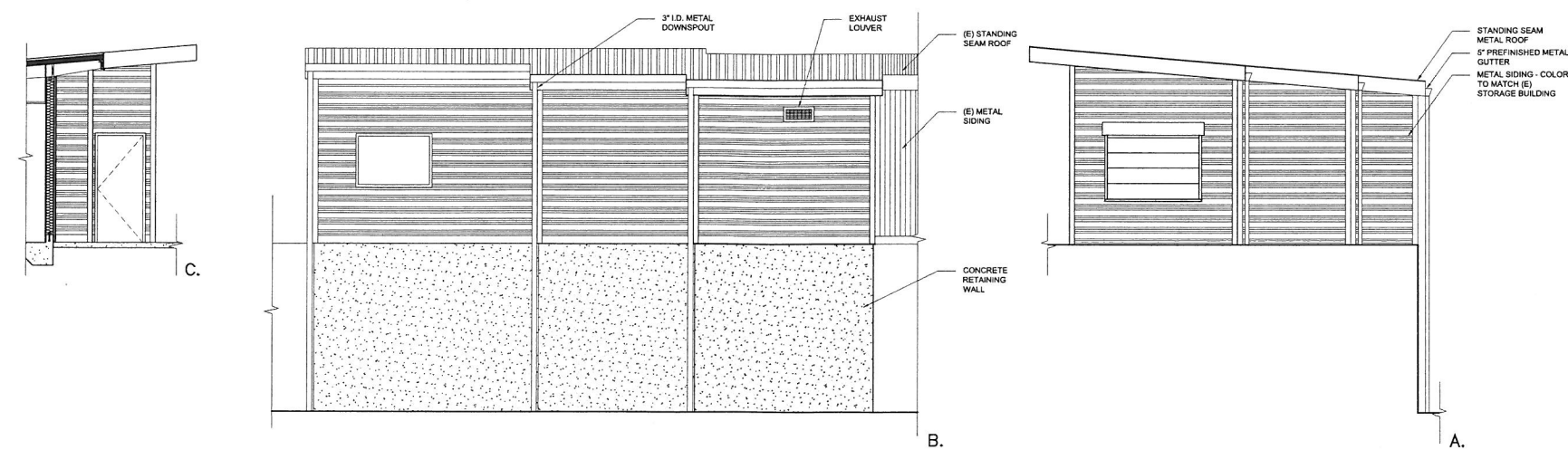
ANNOUNCER BUILDING ELEVATION 2

SCALE 1/4" = 1'-0"



CONCESSION BUILDING ELEVATION CONT. 1

SCALE 1/4" = 1'-0"



CONCESSION BUILDING ELEVATION 1

SCALE 1/4" = 1'-0"

WLHS Baseball Seating

West Linn Wilsonville School District

22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

key plan

phase	design review
date	April 19, 2010
revisions	

project # 09001
ELEVATION

A3.00

\\nw01\project\hard\lms\wilsonville school district\09001\west linn linn\lms\03 design phase\dwg\010\010 11 15 AM



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

907 SW STARK STREET, PORTLAND, OREGON 97205
P: 503 226 6950 F: 503 273 9192 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District

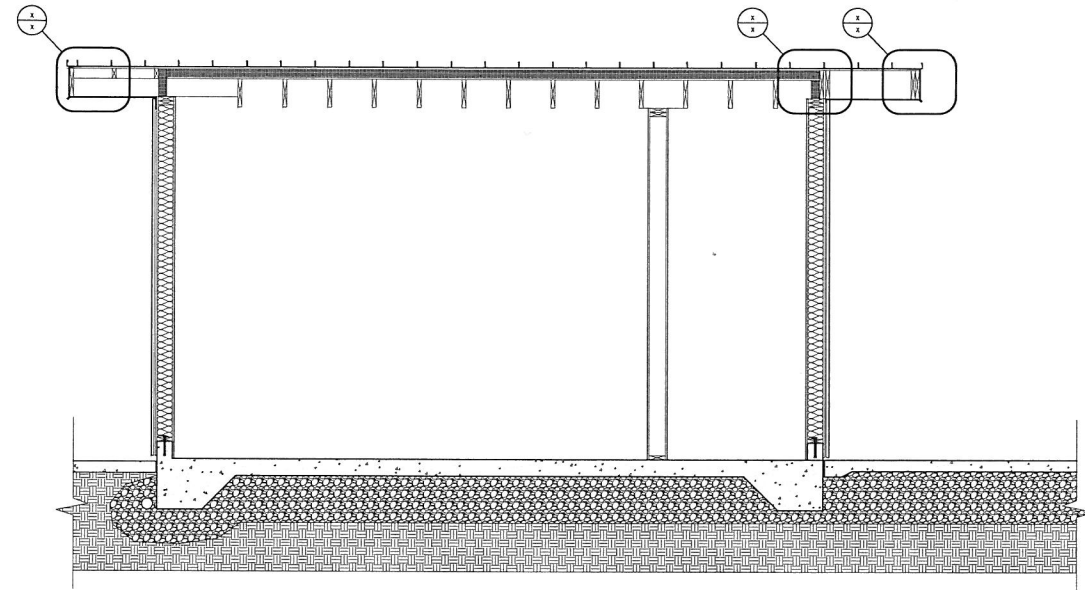
22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

key plan

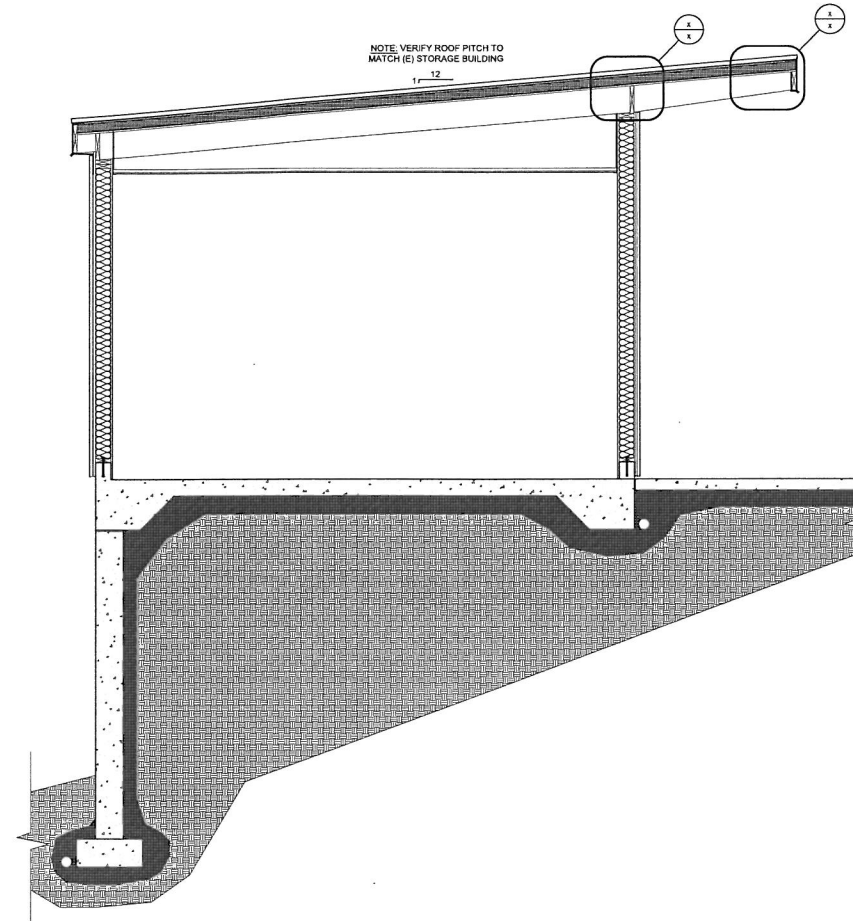
phase	design review
date	April 19, 2010
revisions	

project # 09001
SECTION

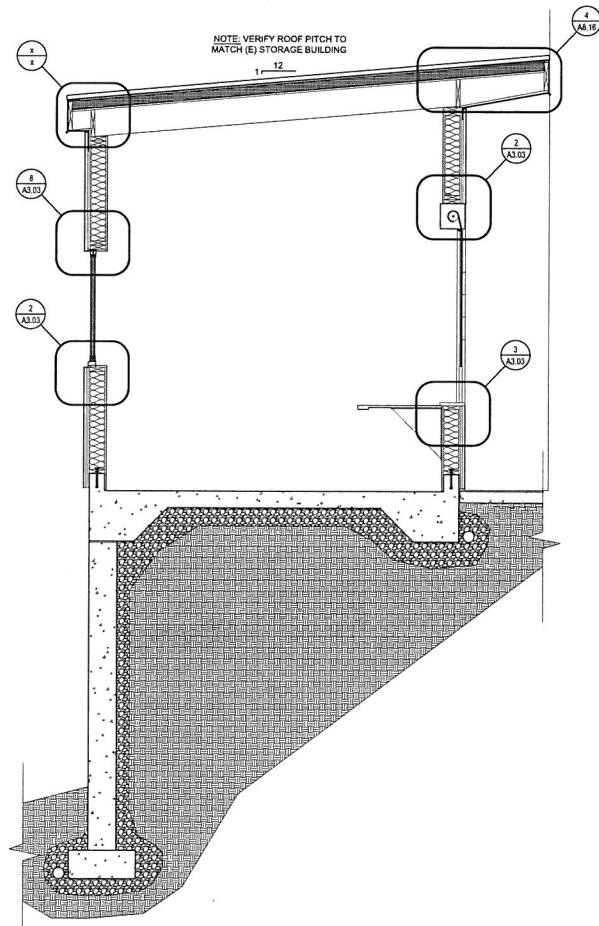
A3.01



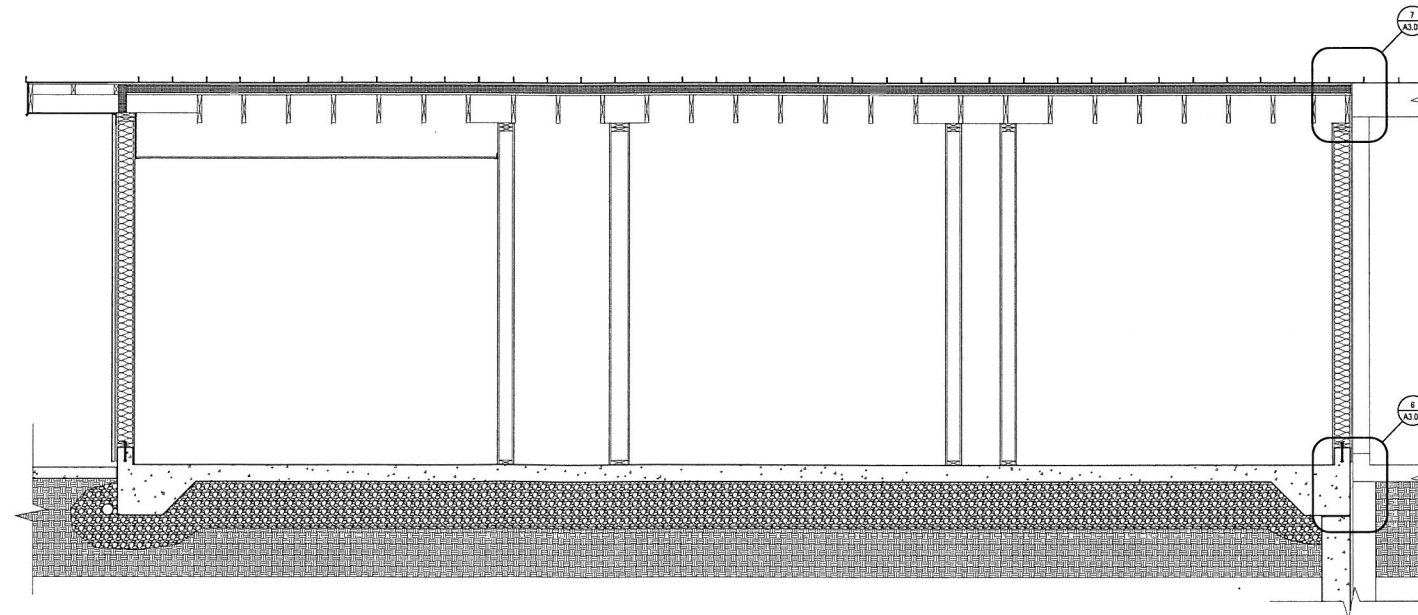
CONSESSION BUILDING SECTION 4
SCALE: 1/2" = 1'-0"



CONSESSION BUILDING SECTION 3
SCALE: 1/2" = 1'-0"

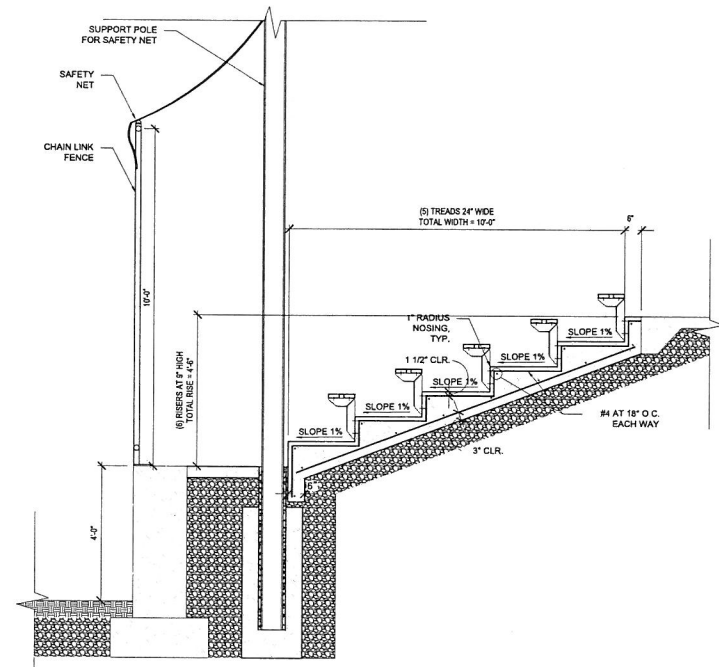


CONSESSION BUILDING SECTION 2
SCALE: 1/2" = 1'-0"

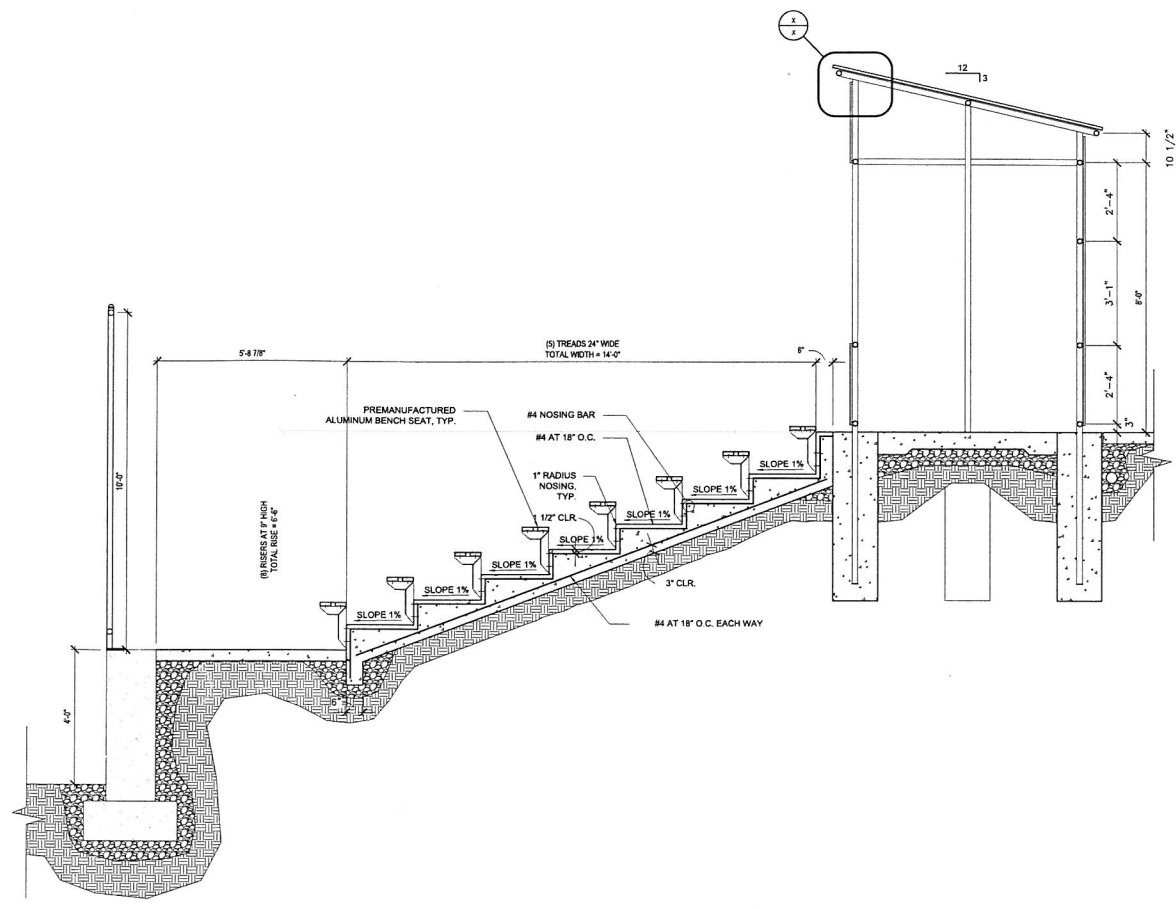


CONSESSION BUILDING SECTION 1
SCALE: 1/2" = 1'-0"

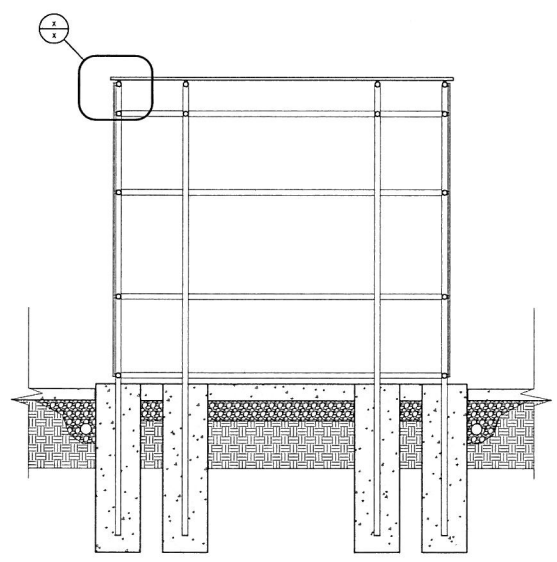
I:\projects\2010\1004\1004.dwg (10/19/10 11:16 AM)



SEATING SECTION 3
SCALE: 1/2" = 1'-0"



ANOUNCER BOOTH SECTION 2
SCALE: 1/2" = 1'-0"



ANOUNCER BOOTH SECTION 1
SCALE: 1/2" = 1'-0"



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

801 SW STARK STREET, PORTLAND, OREGON 97205
T: (503) 226 8800 F: (503) 273 9181 www.dowa.com

WLHS Baseball Seating

West Linn Wilsonville School District

22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

key plan

phase	design review
date	April 19, 2010
revisions	

project # | 09001

SECTION/ELEVATION
DETAILS

A3.02



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

902 SW STARK STREET, PORTLAND, OREGON 97205
P: (503) 228-8800 F: (503) 273-8182 WWW.DOWA.COM

WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

k y p l a n

phase design review

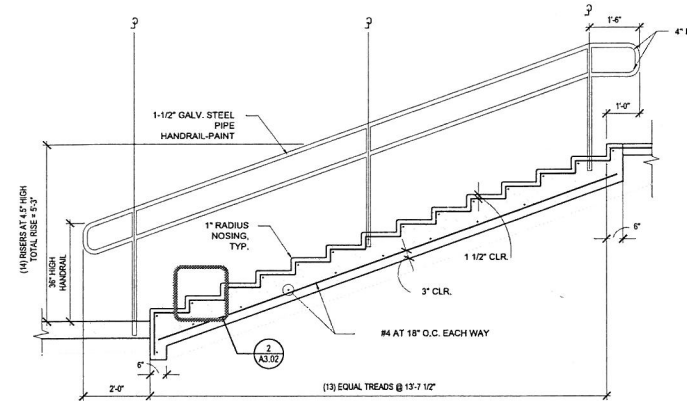
date April 19, 2010

revisions

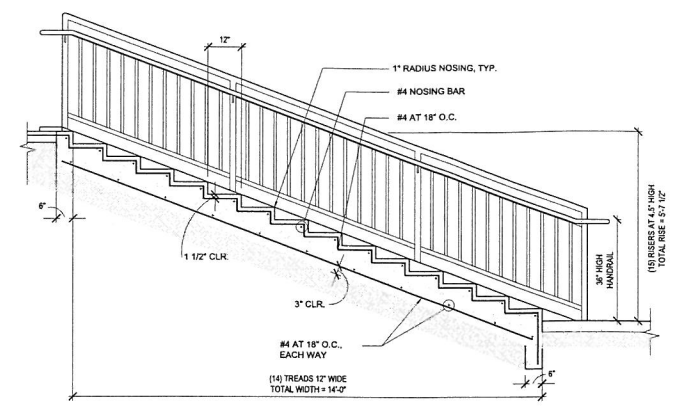
project # 09001

SECTION/ELEVATION
DETAILS

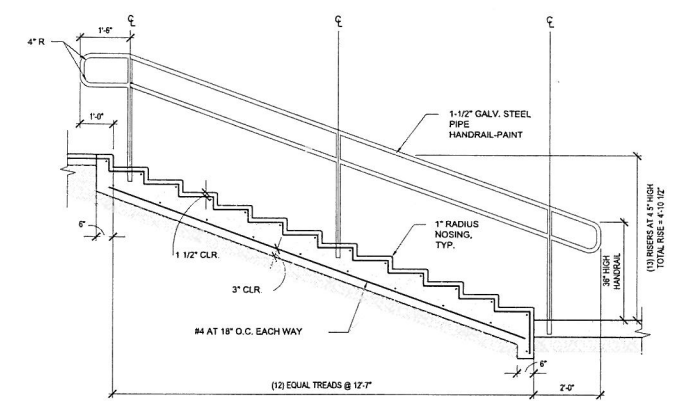
A3.03



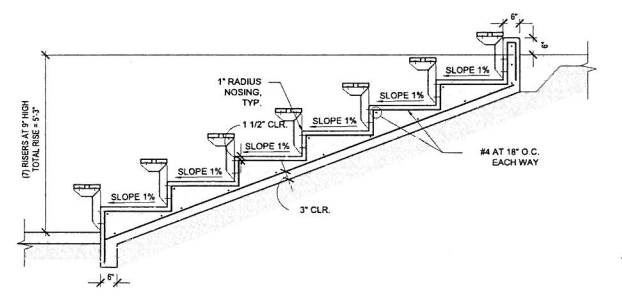
STAIR ELEVATION 15
SCALE: 1/2" = 1'-0"



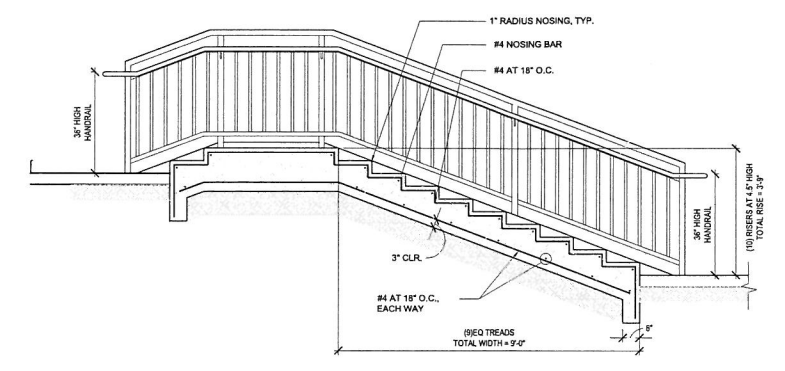
STAIR SECTION 16
SCALE: 1/2" = 1'-0"



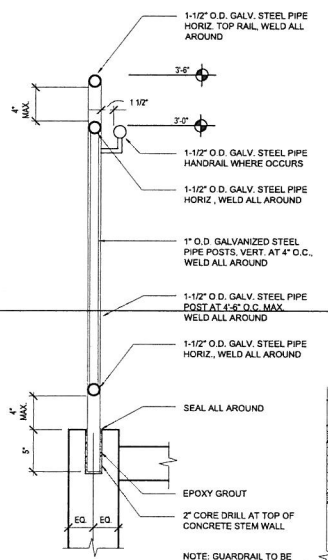
STAIR SECTION 17
SCALE: 1/2" = 1'-0"



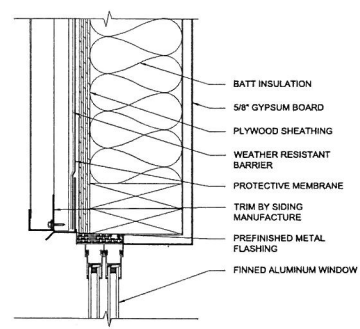
STAIR SECTION 13
SCALE: 1/2" = 1'-0"



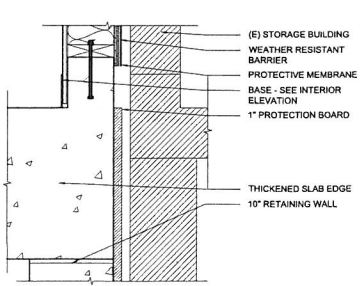
STAIR SECTION 14
SCALE: 1/2" = 1'-0"



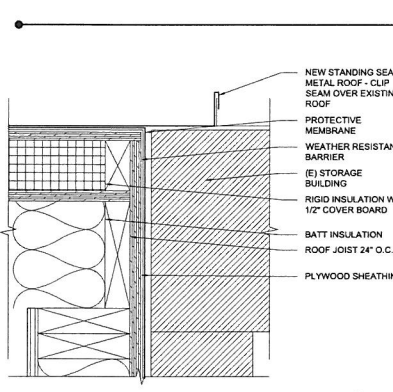
GUARD RAIL DETAIL 12
SCALE: 1/2" = 1'-0"



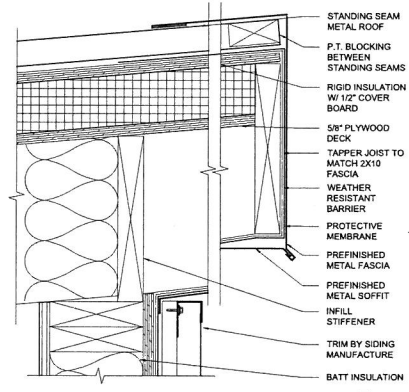
HEAD DETAIL 8
SCALE: 3/4" = 1'-0"



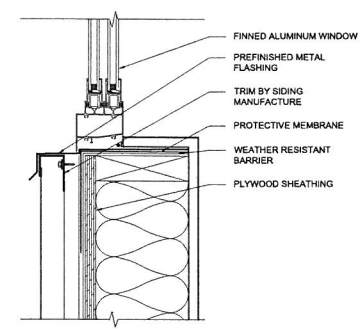
FOUNDATION DETAIL 9
SCALE: 1/2" = 1'-0"



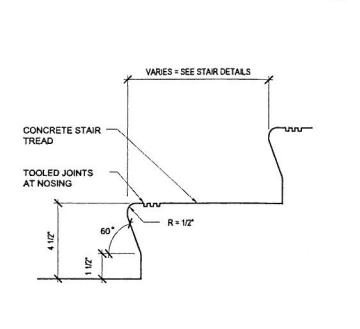
ROOF DETAIL 10
SCALE: 3/4" = 1'-0"



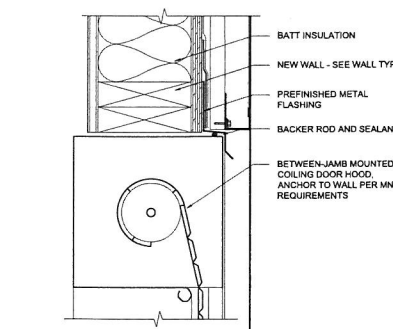
ROOF DETAIL 11
SCALE: 3/4" = 1'-0"



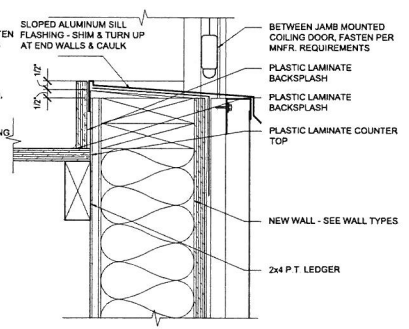
SILL DETAIL 2
SCALE: 3/4" = 1'-0"



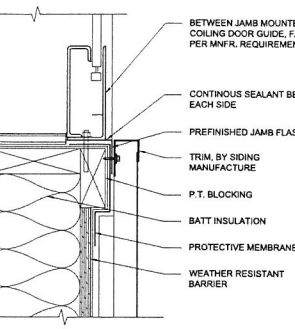
STAIR NOSE DETAIL 3
SCALE: 3/4" = 1'-0"



STAIR NOSE DETAIL 4
SCALE: 3/4" = 1'-0"



STAIR NOSE DETAIL 5
SCALE: 3/4" = 1'-0"



STAIR NOSE DETAIL 6
SCALE: 3/4" = 1'-0"

\\nw01\projects\west linn-wilsonville school district\A3.03.dwg 4/19/2010 11:11 AM

INTERIOR FINISH LEGEND:

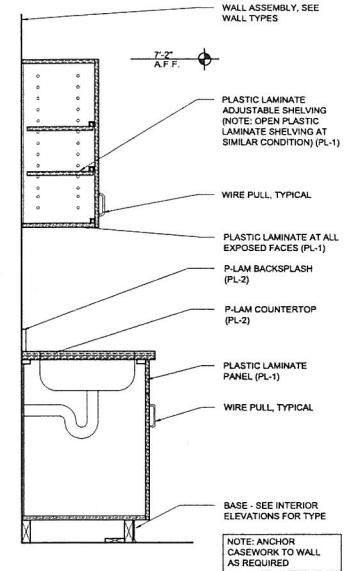
- Vynle Composite Tile:
VCT-1
- Base:
B-1 Rubber Base - Roppe P100 Black
- Paint:
P-1 General Walls & Ceilings -
P-2 Hollow Metal Door & Frames -
- Plastic Laminate:
PL-1
PL-2

DOOR SCHEDULE:

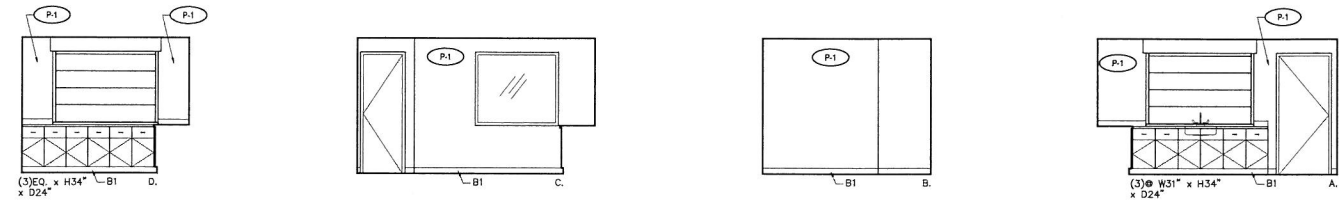
DOOR NO.	SIZE	MATERIAL	FINISH	GLASS	FRAME MATERIAL	FINISH
A100A	3'-0" x 7'-0"	Metal	Paint	--	Metal	Paint
A100B	2'-0" x 7'-0"	Wood	Clear	--	Wood	Paint
A101A	3'-0" x 7'-0"	Metal	Paint	--	Metal	Paint
A102A	3'-0" x 7'-0"	Metal	Paint	--	Metal	Paint

WINDOW SCHEDULE:

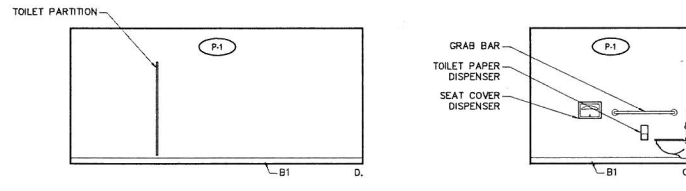
WINDOW NO.	SIZE	FRAME TYPE	MATERIAL	FINISH
A100C	6'-2" x 4'-4"	Cooling	Metal	Factory
A100D	6'-2" x 4'-4"	Cooling	Metal	Factory
A100E	5'-0" x 3'-6"	Finned Aluminum	Aluminum	Anodized



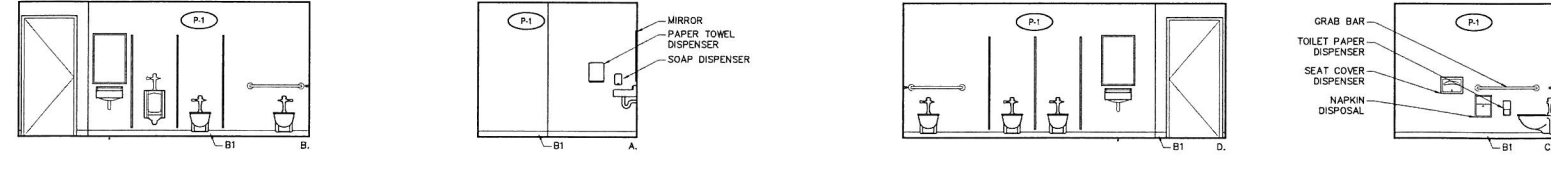
CASEWORK SECTION 4
SCALE: 1" = 1'-0"



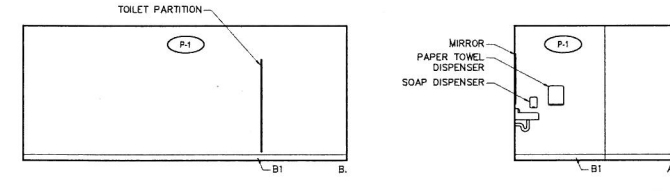
INTERIOR ELEVATION 3
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION 2
SCALE: 1/4" = 1'-0"

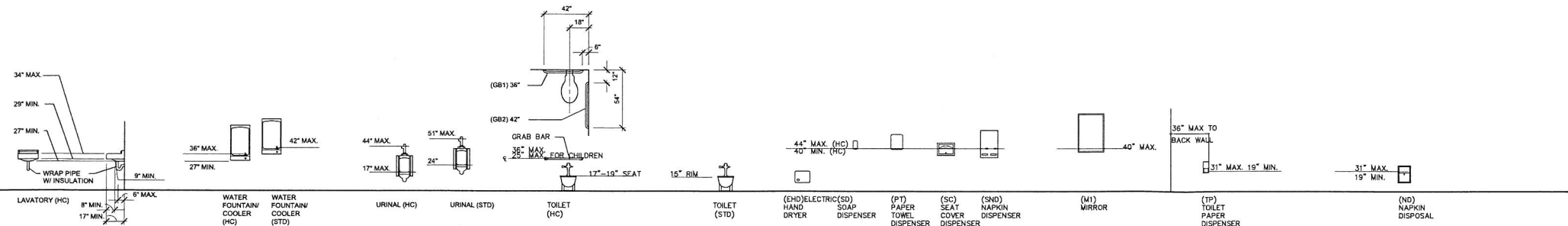


INTERIOR ELEVATION 2
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION 1
SCALE: 1/4" = 1'-0"

STANDARD/CHILDRENS' MOUNTING HEIGHTS



NOTES

- TOILET ROOM LAYOUT NOTES:**
- NO DOOR SWING INTO ANY CLEAR FLOOR AREA.
 - CLEAR FLOOR AREAS CAN OVERLAP.
 - FLOOR DRAINS CAN NOT BE IN ANY CLEAR FLOOR AREA.
 - CLEAR FLOOR AREAS & TURNING CIRCLE CAN OVERLAP.
 - WALL MOUNTED LAV MAY OVERLAP WATER CLOSET CLEAR FLOOR AREA 18" MAX. - SEE O35C.
 - DOOR TO TOILET ROOM MAY ENCRoACH INTO TURNING CIRCLE 12" MAX. IN ANY POSITION.
 - MAX FLOOR SLOPE IS 2%.
 - ALL PLACEMENT DIMENSIONS ARE FROM FACE OF FINISHED SURFACE.



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

907 SW STARK STREET, PORTLAND, OREGON 97205
T: (503) 228 0850 F: (503) 273 9152 www.dow.com

WLHS Baseball Seating

West Linn Wilsonville School District
22210 SW Stefford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

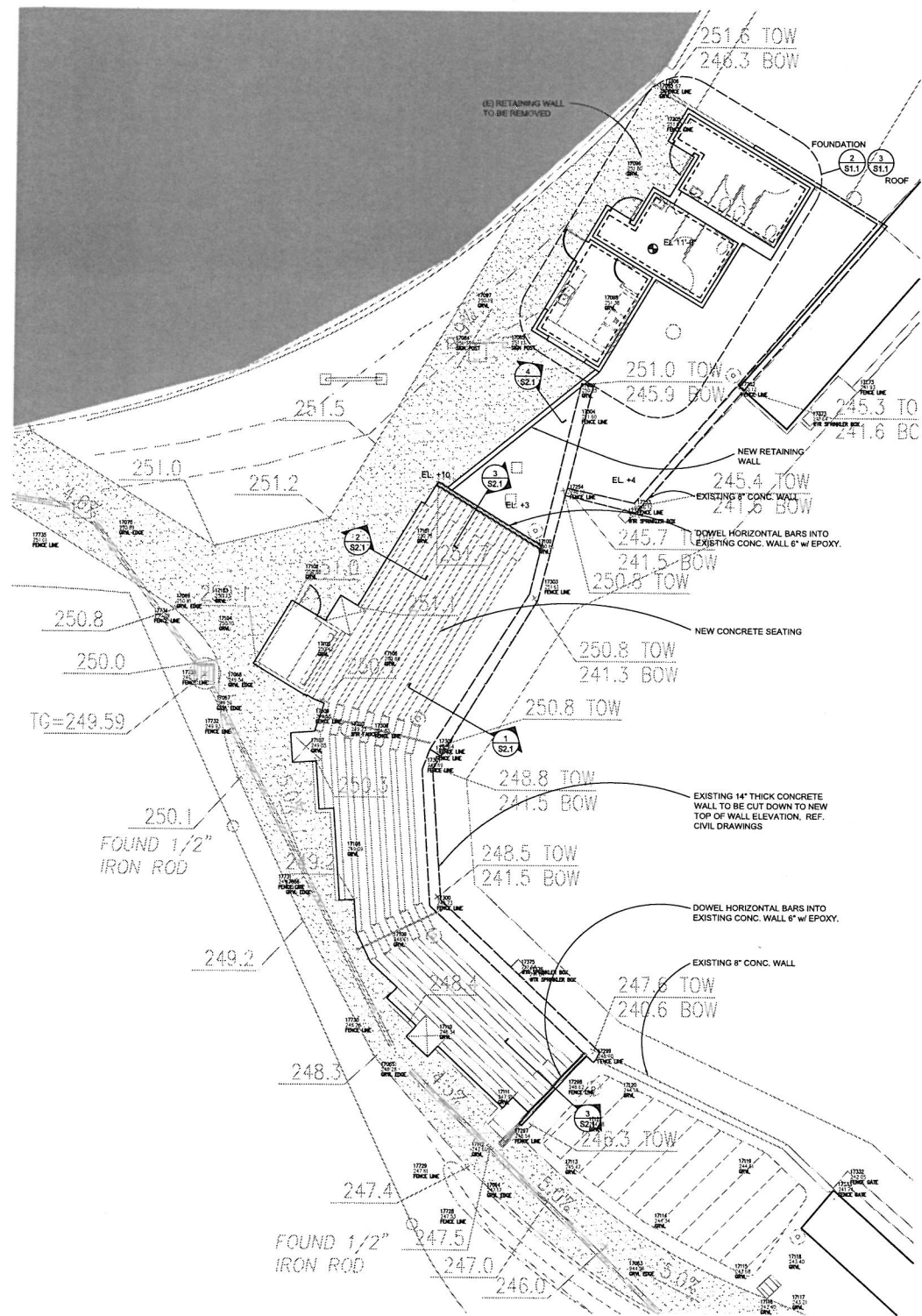
key plan

phase	design review
date	April 12, 2010
revisions	

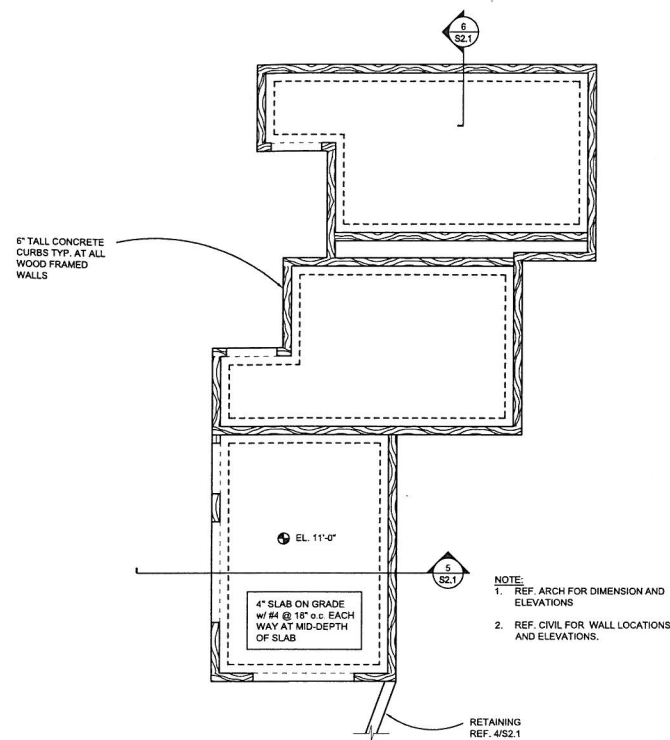
project # | 09001

INTERIOR ELEVATION

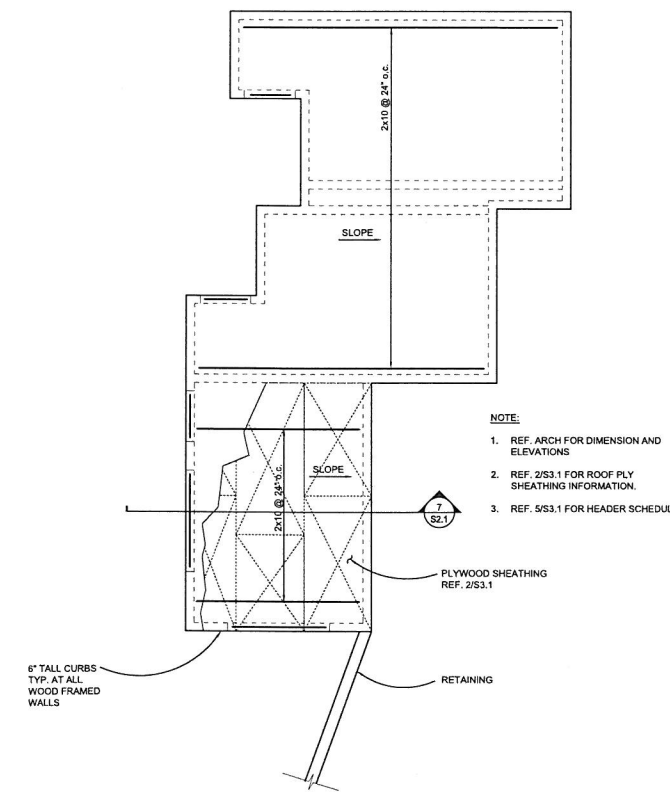
A400



a PARTIAL PLAN
1/8"=1'-0"

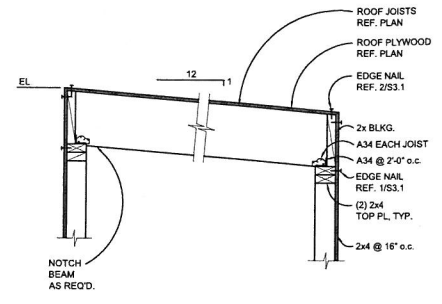


2 CONCESSION BUILDING FOUNDATION PLAN
1/4"=1'-0"

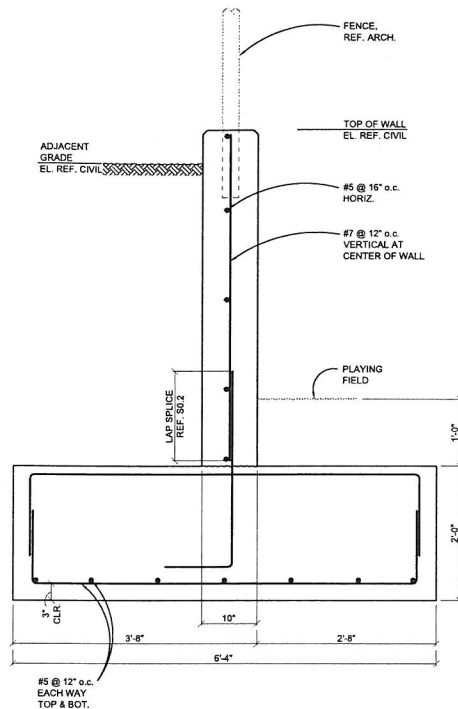


3 CONCESSION BUILDING ROOF PLAN
1/4"=1'-0"

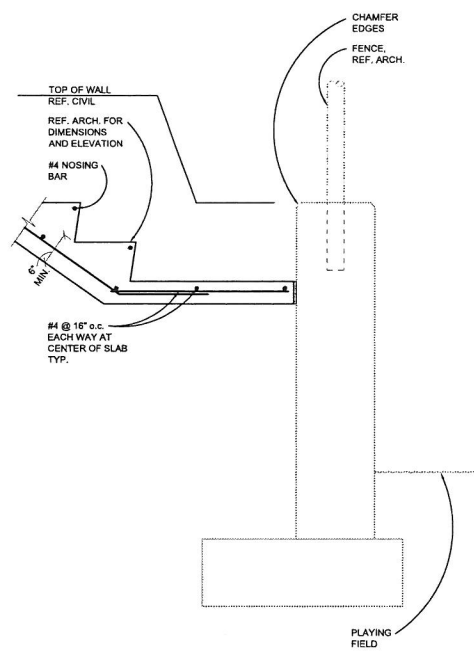
phase	design review
date	April 19, 2010
revisions	
project #	209614



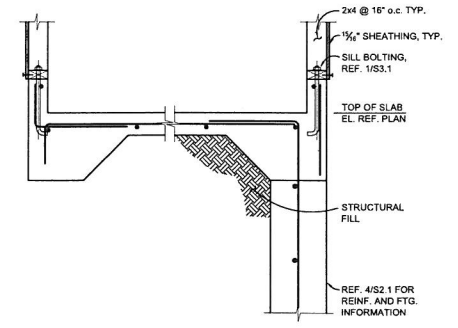
7 ROOF SECTION
1"=1'-0" S1.1



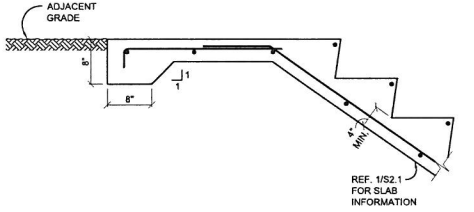
4 RETAINING WALL
1"=1'-0" S1.1



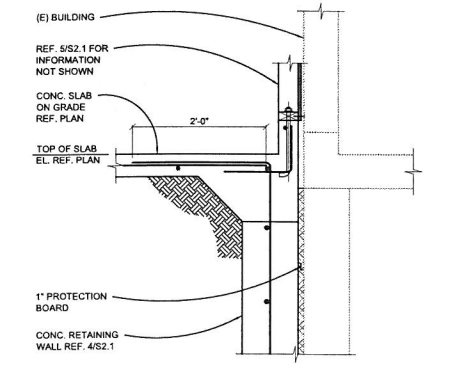
1 EXISTING RETAINING WALL
1"=1'-0" S1.1



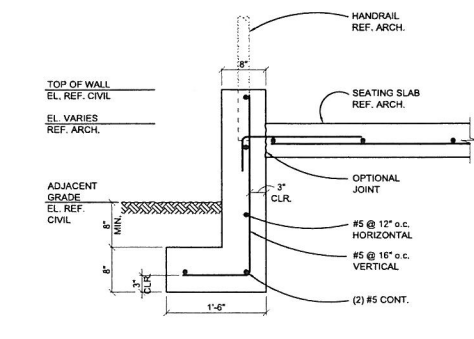
5 BUILDING SECTION
1"=1'-0" S1.1



2 SEATING SECTION
1"=1'-0" S1.1



6 BUILDING SECTION
1"=1'-0" S1.1



3 SEATING SECTION
1"=1'-0" S1.1

phase	design review
date	April 19, 2010
revisions	
project #	209614

SYMBOLS	
(A)	ACCESS PANEL
(B)	BELOW GRADE / FLOOR
(C)	CONNECT TO EXISTING
(E)	EXISTING TO REMAIN
(X)	CAP EXISTING / CAP FOR FUTURE
(R)	RELOCATE EXISTING
(Y)	REMOVE EXISTING
(I)	NOTE

STANDARD MECHANICAL ABBREVIATIONS			
AF	AIRFOIL	ID	INSIDE(DIAMETER/DIMENSION)
AFF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION
AHP	APPARATUS HOUSING PLENUM	IN	INCH(ES)
ALT	ALTERNATIVE	INSUL	INSULATION
AL	ALUMINUM	ISOL	ISOLATOR(OPTION)
APD	AIR PRESSURE DROP	KW	KILOWATT
APPROX	APPROXIMATELY	KWH	KILOWATT HOUR
ARCH	ARCHITECTURAL	L	LENGTH
AUTO	AUTOMATIC	LAT	LEAVING AIR TEMP
BDD	BACKDRAFT DAMPER	LB	POUND
BI	BACKWARD INCLINED	LDB	LEAVING DRY BULB
BLDG	BUILDING	LF	LINEAR FEET
BSMT	BASEMENT	LFT	LEAVING FLUID TEMPERATURE
BTU	BRITISH THERMAL UNIT	LVG	LEAVING
BTUH	BRITISH THERMAL UNITS PER HOUR	LWB	LEAVING WET BULB
CFH	CUBIC FEET PER HOUR	LWT	LEAVING WATER TEMPERATURE
CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM
CFS	CUBIC FEET PER SECOND	MGB	THOUSAND BTU PER HOUR
CLG	CEILING OR COOLING	MECH	MECHANICAL
CONC	CONCRETE	MFR	MANUFACTURER
CONN	CONNECTION	MIN	MINIMUM
CONT	CONTINUE(ED)(UATION)	MISC	MISCELLANEOUS
CL	CENTERLINE	MTD	MOUNTED
DDC	DIRECT DIGITAL CONTROL	NC	NORMALLY CLOSED
DEFL	DEFLECTION	NIC	NOT IN CONTRACT
DN	DOWN	NO	NORMALLY OPEN
DP	DEW POINT	OAD	OUTSIDE AIR DAMPER
DMDI	DOUBLE WIDTH DOUBLE INLET	OC	ON CENTER DISTANCE
DWG	DRAWING	OSA	OUTSIDE AIR
EA	EXHAUST AIR	PH	PHASE
EAD	EXHAUST AIR DAMPER	PP	POLYPROPYLENE
EAT	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EIB	ENTERING DRY BULB	PVC	POLYVINYL CHLORIDE
EFT	EFFICIENCY	PVS	PVC COATED STEEL
EFT	ENTERING FLUID TEMPERATURE	R (RAD)	RADIUS
ELEC	ELECTRIC(AL)	RA	RETURN AIR
ELEV	ELEVATION	RAD	RETURN AIR DAMPER
ENGR	ENGINEER	REV	REVISION
EQ	EQUAL	RH	RELATIVE HUMIDITY
EQUIP	EQUIPMENT	RPM	REVOLUTIONS PER MINUTE
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EWB	ENTERING WET BULB	SCFM	STANDARD CUBIC FEET PER MINUTE
EWV	ENTERING WATER TEMPERATURE	SD	SECTION
EX	EXTRACTOR	SECT	SECTION
EXH	EXHAUST	SENS	SENSIBLE
EXST	EXISTING	SM	SIMILAR
EXP	EXPANSION	SP	STATIC PRESSURE
F	DEGREES FAHRENHEIT	SPEC	SPECIFICATION
FC	FORWARD CURVED	SQ	SQUARE
FIG	FIGURE	SF	SQUARE FOOT(FEET)
FILT	FILTER	SO IN	SQUARE INCH(ES)
FLEX	FLEXIBLE	SS	STAINLESS STEEL
FPD	FLUID PRESSURE DROP	STL	STEEL
FPM	FEET PER MINUTE	STRUC	STRUCTURE(E)(AL)
FPS	FEET PER SECOND	SWP	SINGLE WALL PLENUM
FT	FEET/FOOT	SWSI	SINGLE WIDTH SINGLE INLET
FTR	FINNED TUBE RADIATOR	TEMP	TEMPERATURE
FU	FIXTURE UNIT	TSP	TOTAL STATIC PRESSURE
FUT	FUTURE	TYP	TYPICAL
FV	FACE VELOCITY	V	VOLTS
GA	GAGE/GAUGE	VD	VOLUME DAMPER
GAL	GALLON	VEL	VELOCITY
GALV	GALVANIZED	VERT	VERTICAL
GLY	GLYCOL	VFD	VARIABLE FREQUENCY DRIVE
GPM	GALLONS PER HOUR	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	W	WIDTH
H	HEIGHT	WG	WATER GAUGE
HORIZ	HORIZONTAL	WPD	WATER PRESSURE DROP
HP	HORSEPOWER	W/	WITH
HTG	HEATING	W/O	WITHOUT

PLUMBING DESIGN CRITERIA (Oregon)	
DOMESTIC WATER PIPING SYSTEM	BASIS OF DESIGN: 2008 OREGON PLUMBING SPECIALTY CODE, APPENDIX A "RECOMMENDED RULES FOR SIZING WATER SYSTEMS". PIPING SIZED ON 3 PSI/100 FT. DROP, VELOCITIES NOT TO EXCEED 8 FT./SEC. (COLD WATER) AND NOT TO EXCEED 5 FT./SEC. (HOT WATER).
WASTE AND VENT PIPING SYSTEM	BASIS OF DESIGN: 2008 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7 "SANITARY DRAINAGE". ALL WASTE PIPING SIZED AT 1"/FT. UNLESS OTHERWISE NOTED.

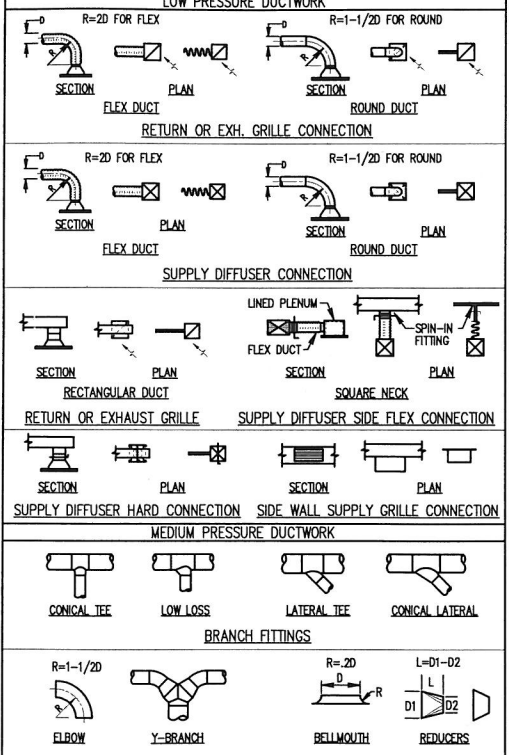
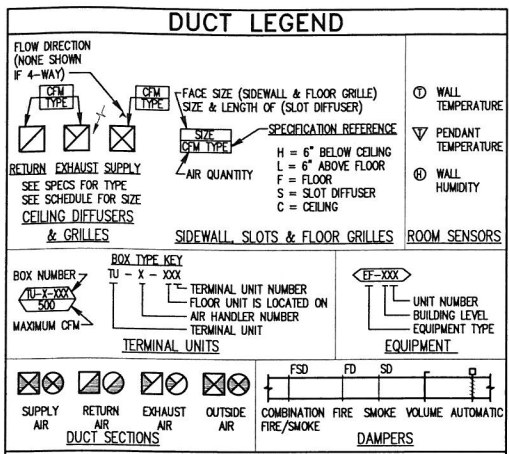
PLUMBING FIXTURE SCHEDULE					
ITEM	DESCRIPTION	ROUGH-IN SIZE - INCHES			NOTES
		W	V	CW	
WC-1	WATER CLOSET	4	2	1 1/2	WALL HUNG
WC-2	WATER CLOSET	4	2	1 1/2	WALL HUNG, ADA
L-1	LAVATORY	2	1 1/2	?	COUNTERTOP, OVAL, ADA, TEMPERATURE SELECTION/METERING
S-1	SINK	2	1 1/2	?	COUNTERTOP, DOUBLE BOWL, ADA
WH-1	WALL HYDRANT	-	-	?	BOX/FLUSH TYPE w/LOCKING COVER VACUUM BREAKER, NON-FREEZE

PLUMBING EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	ELECTRICAL	NOTES
DET-1	DOMESTIC WATER EXPANSION TANK 3.2 GALLONS ACCEPTANCE VOLUME 6.7 GALLONS TANK VOLUME BASED ON: AMTROL ST-12-C	-	
EMH-1	ELECTRIC WATER HEATER 20 GALLON STORAGE 35 CPH RECOVERY @ 70 F RISE BASED ON: AO SMITH DSE	6 KW 240 V, 1 PH	

EXHAUST FANS														
TAG NUMBER	LOCATION	SERVICE	TYPE	ELECTRICAL		VIBRATION ISOLATION		APPROX. WEIGHT (LBS)	BASED ON	NOTES				
				CFM	TSP (IN. WG.)	FAN RPM	MOTOR WATTS				VOLTS/PH	DRIVE	TYPE	DEFLECTION (IN.)
EF-1	CONCESSIONS	CONC. TOILET ROOMS	CABINET	500	0.75	1050	350	115/1	DIRECT	2	0.25	55	GREENHECK CSP-A700	(1)

NOTES:
① PROVIDE SCR CONTROL

ELECTRIC INFRARED RADIANT HEATER PANELS									
TAG NUMBER	LOCATION	SERVICE	TYPE	HEATING WATTS	LENGTH x WIDTH (IN)	ELECTRICAL		BASED ON	NOTES
						FLA (AMPS)	VOLTS/PH		
IRH-1	CONCESSION	CONCESSION	CODE	520	48x18	3.8	115/1	QMARK QT M18481	-
IRH-2	ANNOUNC BOOTH	ANNOUNC BOOTH	CODE	520	48x18	3.8	115/1	QMARK QT M18481	-

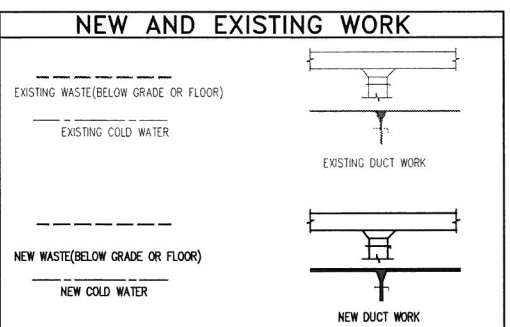
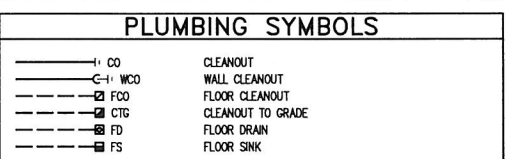
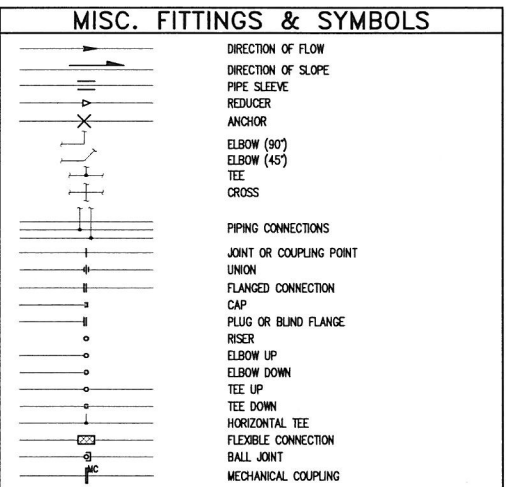
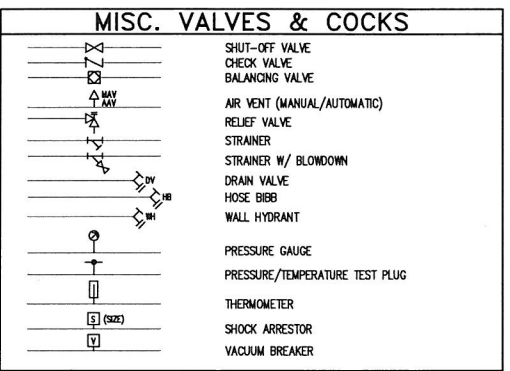


GENERAL NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

PLUMBING PIPING

W	WASTE (ABOVE GRADE OR FLOOR)
W	WASTE (BELOW GRADE OR FLOOR)
SD	STORM DRAIN (ABOVE GRADE OR FLOOR)
SD	STORM DRAIN (BELOW GRADE OR FLOOR)
OD	OVERFLOW DRAIN (ABOVE GRADE OR FLOOR)
OD	OVERFLOW DRAIN (BELOW GRADE OR FLOOR)
D	DRAIN (CONDENSATE/INDIRECT)
V	VENT
CW	COLD WATER
HW	HOT WATER
RHW	RECIRCULATING HOT WATER



DULL OLSON WEEKES architects inc.

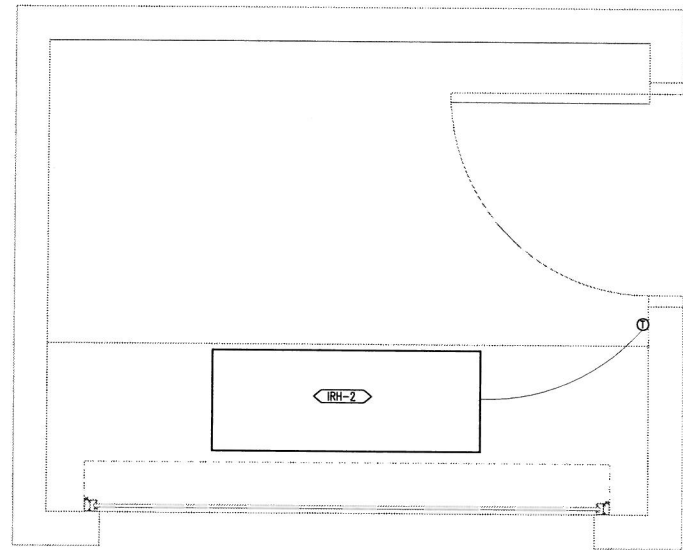
WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stafford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001



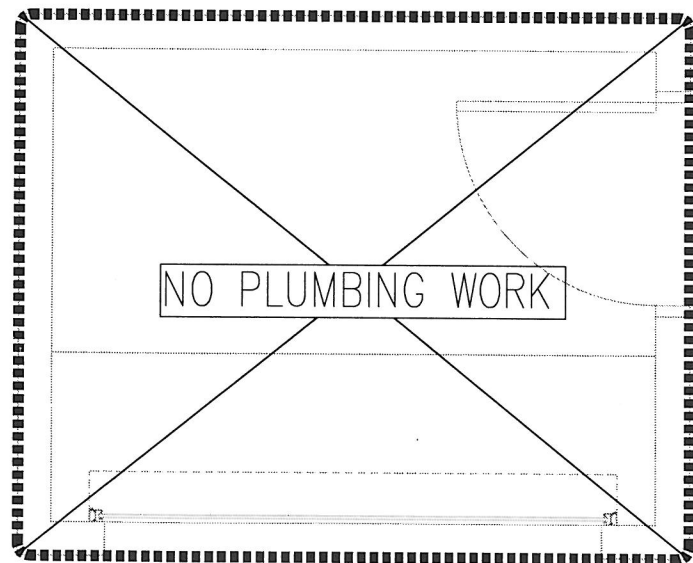
key plan	
phase	
date	Feb. 26, 2010
revisions	
project #	09001
SYMBOLS, LEGENDS & ABBREVIATIONS - MECHANICAL	
M001	

GENERAL NOTES:
1. XXX

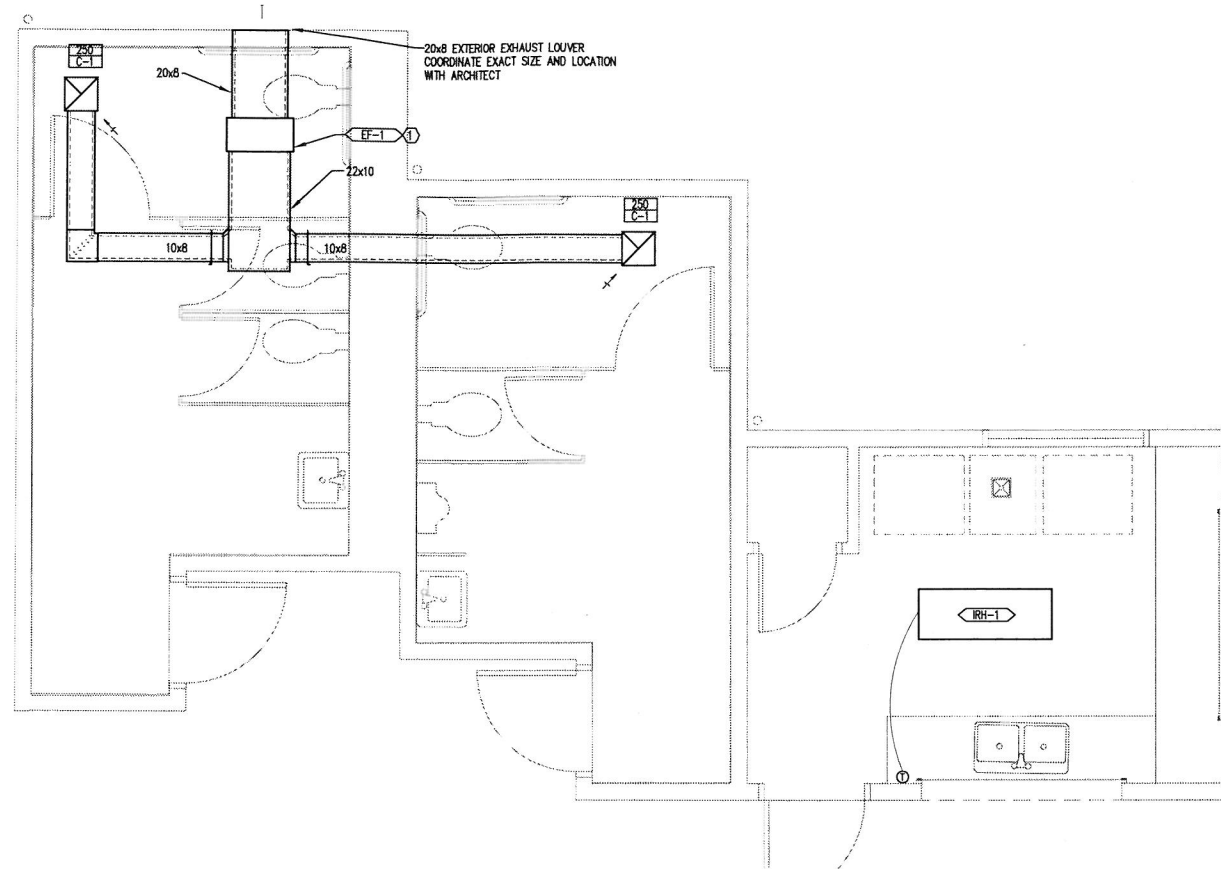
NOTES:
① PROVIDE FLEXIBLE DUCT CONNECTORS ON INLET AND OUTLET OF FAN. PROVIDE SPRING HANGER ISOLATION FOR FAN.



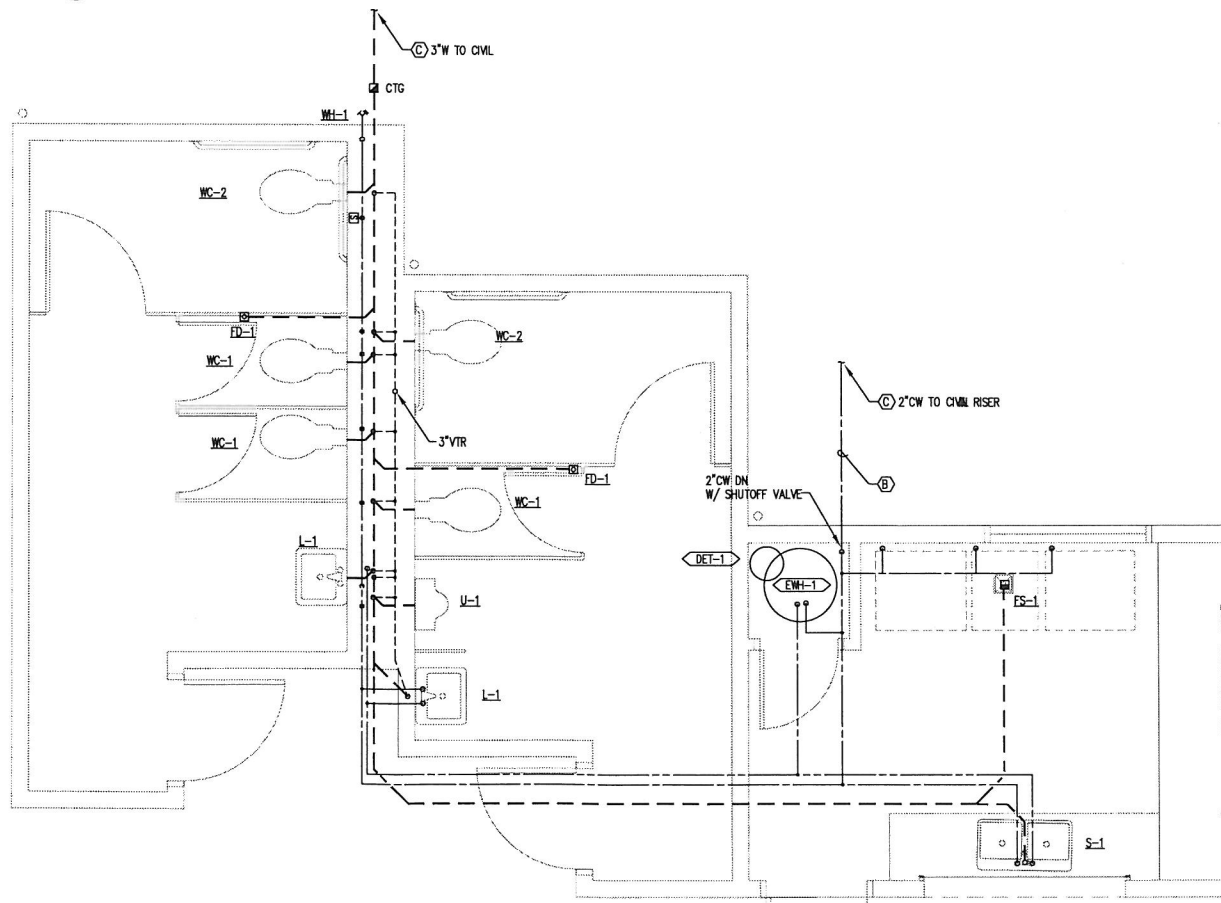
1 FLOOR PLAN - ANNOUNCER BOOTH - HVAC
SCALE: 1" = 1'-0"



3 FLOOR PLAN - ANNOUNCER BOOTH - PLUMBING
SCALE: 1" = 1'-0"



2 FLOOR PLAN - CONCESSIONS - HVAC
SCALE: 1" = 1'-0"



4 FLOOR PLAN - CONCESSIONS - PLUMBING
SCALE: 1" = 1'-0"



ARCHITECTURE • INTERIORS • PLANNING

DULL OLSON WEEKES
architects inc.

90 SW STARK STREET, PORTLAND, OREGON 97205
T: 503 238 6930 F: 503 233 3192 www.doww.com

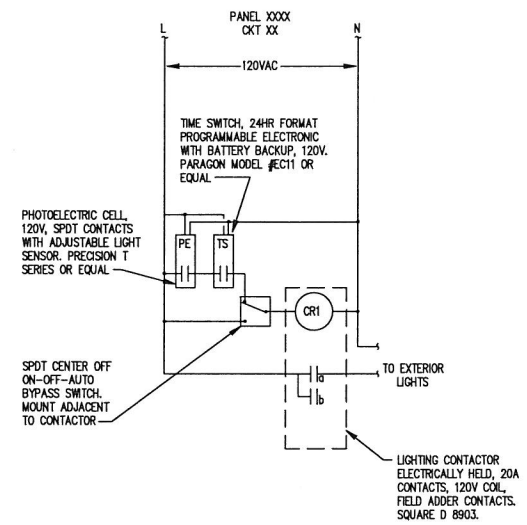
WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Starford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

DAE
CONSULTING ENGINEERS, INC.
800 SW Turley, Suite 200
Portland, OR 97205
P: 503 254-9977 / F: 503 254-9930
www.dae-engineers.com
Project No: 06-1012-36

key plan

phase	
date	Feb. 26, 2010
revisions	
project #	09001

FLOOR PLANS
MECHANICAL
M201



1 EXTERIOR LIGHTING CONTROL DIAGRAM
E6.01 SCALE: NONE

MECHANICAL EQUIPMENT CONNECTION SCHEDULE																						
EQUIPMENT DESCRIPTIONS			ELECTRICAL CHARACTERISTICS						CONNECTION CHARACTERISTICS				FEEDER CHARACTERISTICS				PANEL INFORMATION		NOTES			
TAG	DESCRIPTION	LOCATION	KW	HP	FLA	MCA	MOCP	VOLTS	PHASE	VFD	STANDBY POWER	1-POINT CONNECT	STARTER DIVISION	DISCONNECT DIVISION	CONDUIT DIA (INCH)	OCF (AMPS)	OCF (POLES)	PHASE CONDUCTOR	GROUND CONDUCTOR	PANEL	CIRCUIT	
EF-1	Exhaust Fan	Concessions	0.8					120	1	NONE	NO	YES	Z3	Z6	1/2"	20	1	2#12	1#12	2C1		
IRH-1	Infrared Heater	Concessions	0.52					120	1	NONE	NO	YES		Z6	1/2"	20	1	2#12	1#12	2C1		
IRH-2	Infrared Heater	Announcers Booth	0.52					120	1	NONE	NO	YES		Z6	1/2"	20	1	2#12	1#12	2C1		
EWH-1	Electrical Water Heater	Concessions	6					240	1	NONE	NO	YES		Z6	1/2"	30	1	2#10	1#10	2C1		
Trap Primers		Concessions	0.25					120	1	NONE	NO	YES			1/2"	20	1	2#12	1#12	2C1		

2 MECHANICAL EQUIPMENT CONNECTION SCHEDULE
E6.01 SCALE: NONE

3 PANEL SCHEDULE 2C1 - ELECTRICAL
E6.01 SCALE: NONE

WLHS Baseball Seating
West Linn Wilsonville School District
22210 SW Stefford Rd, Tualatin, OR 97062
t: (503) 673 7000
f: (503) 673 7001

PAE
CONSULTING ENGINEERS, INC.
200 SW Third Ave, Suite 200
Portland, OR 97204-2425
P: 503 226-9677 F: 503 226-9639
www.pae-engineers.com
Project No: 06-1012.36

key plan

phase	
date	Feb. 26, 2010
revisions	
project #	09001
DETAILS AND SCHEDULES - ELECTRICAL	
E601	