

**PARSONS
BRINCKERHOFF**

400 SW Sixth Avenue Suite 802
Portland, OR 97204

Transmittal

Tel: (503) 274-8772
Fax: (503) 274-1412

to: Tom Soppe	from: Keith Liden
City of West Linn Planning Department	date: 5.11.12
22500 Salamo Road	project: West Linn High School DR I
West Linn, OR 97068	file number: DR-12-12

via:	for your:	the following:		
<input type="checkbox"/> mail	<input type="checkbox"/> Information/use	<input type="checkbox"/> shop drawings	<input type="checkbox"/> change order	<input type="checkbox"/> specifications
X messenger	X approval	<input type="checkbox"/> copy of letter	<input type="checkbox"/> plans	<input type="checkbox"/> CD
<input type="checkbox"/> fed-ex	<input type="checkbox"/> review/comment	<input type="checkbox"/> prints	<input type="checkbox"/> samples	X application packages

.....	Application packet including:	3	5.11.12
.....	1. Amended narrative		
.....	2. Amended plan sheets (full size): C1 – C6		
.....	3. Amended plan sheets (11x17 reductions)		
.....	CD of all application materials (original/amended)	1	-
.....			
.....			
.....			
.....			
.....			

Comments:

Let me know if you need anything further.

Thanks

Keith Liden, 503.224.4066 / liden@pbworld.com

copy to:

WEST LINN HIGH SCHOOL
Class I Design Review
May 11, 2012

APPLICATION SUMMARY

For Class I Design Review approval to renovate the parking lots on the northern portion of the West Linn High School 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
2755 SW Borland Road
Tualatin, OR 97062
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

Tony Vandenberg
West Linn-Wilsonville School District
2755 SW Borland Road
Tualatin, OR 97062
Phone: 503-673-7976
Fax: 503-638-9360
E-mail: vandenbt@wlwv.k12.or.us

Attachments and Plan Sheets

C1	Cover Sheet
C2	Overall Plan
C3	Demolition Plan
C4	Site Plan
C5	Grading Plan
C6	Utility Plan
E0.1	Legend
E1.0	Demo Plan
E2.0	Lighting and Power Plan
E5.0	Details
L1	Planting Plan
Attachment A	Lighting Fixture Cut Sheet

Figure 1: Aerial Photo



Source: Google

BACKGROUND INFORMATION

Site Description

The West Linn High School site is fully developed, 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.

The majority of the on-site parking for the high school is located on the northern portion of the site on the northwest corner of West A Street and Skyline Boulevard.

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. The northern portion of the site contains two parking lots separated by landscaped slope. The upper, western lot has 105 spaces and an elevation that is approximately 30 feet higher than the lower, eastern lot. The western lot has a driveway, which traverses across the slope between the parking lots, to a driveway on Skyline Boulevard. The eastern lot has 94

spaces and a driveway connection to the western parking lot driveway, as well as another driveway located in the northeast corner on West "A" Street.

PARKING LOT IMPROVEMENTS

The improvements to the parking lots include:

- Removing the existing parking lot and driveway pavement and site lighting.
- Removing 12 trees, of which 6 are located within two tree clusters located on the east and west sides of the western parking lot.
- Realigning an existing public storm line under the northeast corner of the eastern parking lot to be located within the right-of-way.
- Re-constructing the two existing parking lots to increase the total number of parking spaces from 199 to 224. Of the 224 spaces, 98 are proposed to be compact spaces.
- Providing 4 new ADA spaces and ADA accessible sidewalks to Skyline Boulevard and to the high school.
- Constructing a new driveway for the western lot to Skyline Boulevard and retaining the West "A" Street driveway location for the eastern lot.
- Installing landscaped islands and buffer areas along the street frontages, and storm water treatment facilities consistent with city requirements.
- Providing new on-site lighting that will allow enhanced security on the site and be more compatible with surrounding residences.
- Extending the public sidewalk and curb along the north side of Skyline Boulevard to the west beyond the proposed driveway for the western parking lot.
- Creating an improved crosswalk between the western parking lot and the school.

DESIGN REVIEW CRITERIA

Section 55.090(A) refers to specific portions of Section 55.100 that apply to Class I Design Review applications. Sections (A)(1) and (2), which refer to Sections 55.100 (B)(1) through (6) are addressed below under Section 55.100. Regarding Section 55.090 (A)(3), the additional information and findings requested in the preapplication notes are addressed as noted below.

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.

Section 55.100 contains the applicable approval standards that may apply to a Class I Design Review. At the conclusion of the preapplication conference, the planning staff determined that the application must meet the following criteria in Chapter 55:

- 55.100(A)(1) Storm water quality and detention
- 55.100(A)(7) Off-street parking
- 55.100(A)(8) Access, egress, and circulation
- 55.100 (A)(10) Landscaping
- 55.100(B)(1-4) Relationship to the Natural Physical Environment
- 55.100 (B)(7)(d) Pedestrian circulation in parking areas
- 55.100(C) Compatibility, buffering, and screening
- 55.100 (J)(5-6) Lighting in parking areas
- 55.100(K) Provisions for the disabled

These criteria, plus some additional criteria that appear relevant, are addressed below.

55.100 A. (1) Chapter 33, Storm Water Quality and Detention:

Because a minor modification is proposed for an existing storm drainage line, Chapter 33 applies. The approval criteria are found in Section 33.040.

1. Chapter 33 - Storm Water Quality and Detention

The approval criteria in Section 33.040 identify a number of things that must be accomplished according to city requirements during construction. These requirements will be met in coordination with the district, Planning Director, and City Engineer.

Section 33.040 Approval Criteria

A. Stormwater quality facilities shall meet non-point source pollution control standards.

The proposed storm drainage system work only involves replacing a small portion of an existing underground pipe. The proposed storm drainage system improvement is designed using the City of Portland Storm Water Management Manual. Bioswales and planters have been designed to collect and treat storm water. This greatly improves the existing parking lot, which has no storm water treatment.

B. Design of stormwater detention and pollution reduction facilities and related detention and water quality calculations shall meet Public Works Design Standards and shall be prepared by a professional engineer licensed to practice in the state of Oregon.

The existing facilities and the proposed storm line improvement have all been designed by a licensed engineer. The proposed storm drainage system is designed using the City of Portland Storm Water Management Manual. Bioswales and planters are proposed to achieve pollution reduction and flow control requirements (per Chapter 2.2).

C. Soil stabilization techniques, erosion control, and adequate improvements to accommodate the intended drainage through the drainage basin shall be used. Storm drainage shall not be diverted from its natural watercourse unless no feasible alternatives exist. Interbasin transfers of storm drainage will not be permitted.

The project will involve only a minimal amount of disturbance beyond the reconstruction of the parking lots. This project will not alter a water course location or involve an inter-basin water transfer.

D. Stormwater detention and treatment facilities shall encroach no further than 25 feet into the outside boundary of a water quality resource area. The area of encroachment must be replaced by adding an equal area to the water quality resource area on the subject property.

This is not applicable because the proposed work is not within the 25-foot setback of a water quality resource area.

- E. *Stormwater detention and treatment facilities shall be vegetated with plants from the Metro's native plant list as described in Section 33.070.*

The storm water facilities are planted per the requirements of the City of Portland Storm Water Management Manual as shown in the landscape plan.

- F. *Projects must either stockpile existing topsoil for re-use on the site or import topsoil, rather than amend subsoils.*

This is not applicable because the disturbed construction area will primarily involve existing paved surfaces, which are of no environmental value, and they will be resurfaced with new storm water improvements, an overall reduction of impervious surface, and landscaping.

- G. *Interim erosion control measures, such as mulching, shall be placed immediately upon completion of grading of the facilities.*

Erosion control measures proposed will be consistent with City of West Linn design standards and DEQ 1200-C permit requirements.

7. Chapter 46, Off-Street Parking and Loading

Section 46.070 requires the first 40 parking spaces to be no farther than 200 feet from building entrances. The existing parking location will not be changed by this application, and the access across Skyline Boulevard will be improved to provide enhanced accessibility and safety.

Section 46.090 B. 6. contains parking requirements for a high school. The number of parking spaces will be increased by 25 spaces. These two lots represent the majority of the on-site parking for the school modest increase will not cause the high school to exceed the allowable maximum of 110% (Subsection F).

Section 46.150 A. contains the design standards for parking areas. The site plan complies with all of the relevant standards as shown on the site plan.

1. With 98 of the total 224 parking spaces proposed to be compact, the 50% minimum requirement for standard spaces will be satisfied.
2. Four new disabled spaces are proposed with improved access between the parking lot and the building.
3. Parking spaces will not require public right-of-way for maneuvering.

4. The proposed driveways for the parking lots will not affect existing service drives for the school.
5. Clear access continues to be provided for every parking space within these two northern lots as shown on the site plan.
6. All standard, compact, and handicapped spaces will continue to be marked as required.
7. The parking lots are proposed to be paved.
8. With 98 of the total parking spaces proposed to be compact, the 50% minimum requirement for standard spaces will be satisfied.
9. The number of access drives will remain at two. The new driveway location for the western lot will provide an improved location farther from the Skyline Boulevard/West A Street intersection.
10. The terrain and landscaping plan will comply with the city's vision clearance criteria. The site triangles are shown on the landscaping plan.
11. Wheel stops have been incorporated into the design, meeting the dimensional requirements of this section.
12. As shown on the site and landscaping plans, storm drainage will be properly captured and treated on site to ensure appropriate water quality and runoff rates. This will represent a significant improvement compared to the existing lots.
13. The existing lighting fixtures will be replaced with fixtures that will deflect light away from adjoining residences.
14. Directional arrows shall be installed in the driveways.
15. This driveway grade standard does not apply because it relates only to residential development.
16. Visitor/guest parking will be labeled as appropriate at the completion of the project.
17. The grade on the lots will be less than the maximum 5% grade. The western lot will be approximately 4.7% on, and the eastern lot will be virtually flat.
18. The school frontage is on West A Street. The entire school frontage, from the southern property boundary to the property line on the north side of the parking lots, is over 1,100 feet. With a West A Street frontage of approximately 260 feet, the parking lot frontage is significantly less than 50%.
19. A maximum of 12 parking spaces are allowed in one row. As shown in the site plan the maximum grouping of parking spaces is 11.

20. Pedestrian walkways are provided between the parking lots and the building as prescribed by this section.
21. The parking circulation for both lots is extremely simple and basic consisting of one or two loops.
22. As noted above, the parking spaces shall remain close to the school entrances with improved access routes.
23. Not applicable because permeable parking spaces are not proposed.

Section 46.150 B. contains standards for handicapped parking. The proposal meets these requirements as noted in the site plan and below:

1. Existing spaces will be retained on the remainder of the site and four new handicapped parking spaces will be added to the reconstructed parking lots.
2. The new spaces will be located as close to school entrances as possible.
3. The spaces and access routes will satisfy ADA standards.
4. Not applicable because no differences are identified between the code and federal standards.
5. The aisles for the spaces will be 9 feet wide, exceeding the minimum necessary 6-foot standard.

Section 46.150 C. refers to the landscaping standards in Chapter 54, which are addressed below.

Section 46.150 D. contains bicycle standards, which are not relevant because no bicycle parking is proposed. The school already provides bicycle parking in other locations on the site.

Section 46.150 E. refers to employment uses and is not applicable.

Section 46.150 F. contains the dimensional standards for parking spaces. The standard and compact spaces meet the dimensional requirements for 90° angle parking.

8. Chapter 48, Access

Section 48.025 B. 6. requires driveways to meet access spacing requirements in Chapter 8 of the Transportation System Plan (TSP). The driveway on West "A" Street will remain in the same location, and the new driveway for the western lot will provide a greater distance from the Skyline Boulevard/West "A" Street intersection to better comply with the TSP.

Section 48.025 B. 7. requires access points for institutional uses to be minimized. This element of the site improvements will not create a new driveway.

Section 48.040 requires that service drives have a minimum width of 24 feet. The driveways will continue to have a minimum width of 24 feet.

Section 48.060 requires that the minimum/maximum curb cut should be 16-36 feet. The new/renovated driveways will be less than 36 feet.

10. Chapter 54, Landscaping

The landscaping plan complies with the city's landscaping requirements. The approval criteria are satisfied as noted below:

Sections 54.020 A, B, and C encourage preservation of existing trees. The proposed site and landscaping plans will accomplish this. However, 12 trees must be removed between the two parking lots. They will be replaced with 48 trees as illustrated in the landscaping plan. With the removal of the existing driveway for the western lot, the amount of landscaped area will increase.

Section 54.020 D. does not apply because there are no heritage trees on the site.

Section 54.020 E. is satisfied because well over 20% of the site will be landscaped; dimensional requirements for landscaped areas are met. Vegetation is located as specified as required by this section.

B. Relationship to the Natural and Physical Environment

Section 55.100 B. 1. is not relevant because there are no heritage trees on the site.

Section 55.100 B. 2. is satisfied because 6 of the 12 trees to be removed are within tree clusters, which do not appear to be significant. In addition, the removal is necessary to accommodate modest parking lot modifications to improve the overall appearance and compliance with water quality and landscaping requirements. The proposed tree removal will retain the integrity of the two tree clusters. Figure 2 shows the existing clusters and tree drip lines. Figure 3 shows how the clusters will remain intact following tree removal by retaining over 80% of the tree canopy within the clusters (23,280 sf reduced to 18,985 sf). All trees proposed for removal are shown on Sheet C3 – Demolition Plan. The city arborist has been contacted, but has not visited the site at the time of this application.

Figure 2 – Existing Tree Clusters

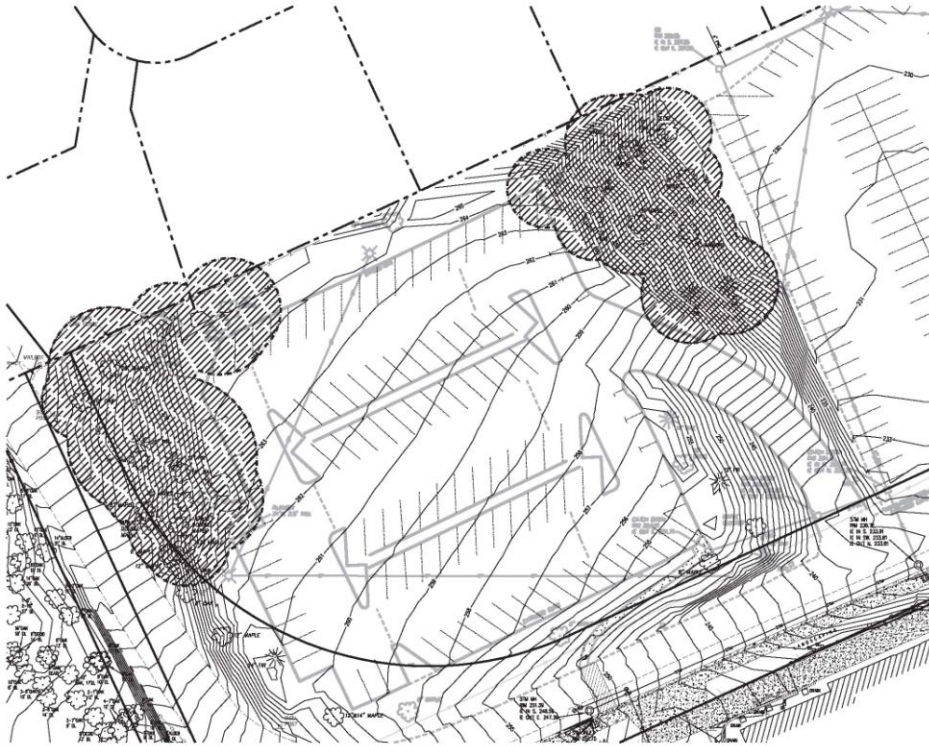


Figure 3 – Proposed Tree Clusters



Section 55.100 B. 3. is satisfied because grading will only involve the storm water improvements, and the natural drainage pattern will not be altered.

Section 55.100 B. 4. is satisfied because the property is geologically stable. Furthermore, the existing school building will not be modified.

Sections 55.100 B. 5. through 6. are not relevant because the site improvements will not involve any modifications to the school building.

Section 55.100 B. 7. includes criteria pertaining to pedestrian access in parking lots (Subsection d). As illustrated on the site plan, the sidewalks within the parking lots and adjacent to the driveways will be a different paving material, and landscaping will provide the appropriate separation.

C. Compatibility Between Adjoining Uses, Buffering and Screening

The school has operated in the neighborhood for a sustained period, and it has proven to be a good neighbor. The modification of the parking lots, storm water system and landscaping will be environmentally beneficial, and they will not change the current school operation in any way.

D. Privacy and Noise

This section requires that activities, which potentially will generate noise, feature exterior lighting, or glare, shall be buffered from adjoining residential uses according to 55.100 C. above.

This section is satisfied because the new lights for the parking lots are designed to virtually eliminate any glare extending past the school property. The surrounding homes will also have enhanced landscaped buffering to further minimize any potential adverse impacts.

I. Public Facilities - Drainage

The plans were created by a registered civil engineer, and the storm water detention and treatment facilities have been designed to prevent any inappropriate volumes of storm water to flow downstream. Also, this project actually reduces the amount of impervious surface.

J. Crime Prevention and Safety/Defensible Space

This section requires the provision of safe areas that can be easily observed and illuminated at night. New lighting will be installed, to provide suitable site lighting as specified in Subsections J. 4–6, while providing appropriate shielding for adjoining residents.

K. Provisions for Persons with Disabilities

As noted above, the new parking lots will provide ADA spaces that are not available today. The parking spaces and access routes to and from the building will be constructed to meet all applicable ADA standards.

CONCLUSION

The proposed parking lot improvements satisfy all of the relevant criteria as demonstrated above.

ATTACHMENT A
Light Fixture Cut Sheet

FEATURES & SPECIFICATIONS

INTENDED USE — Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast door frame has impact-resistant, tempered, glass lens (3/16" thick). Door frame is fully gasketed with one-piece tubular silicone. **US. Patent No. D447,590. Canada Patent No. 94324.**

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors are available.

OPTICS — Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Five full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw), Type IV (wide, forward throw) and Type V (symmetric square).

ELECTRICAL — Ballast: Constant wattage autotransformer. Metal Halide: Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested. All ballasts are mounted on a removable power tray with tool-less latch and have positive locking disconnect plug.

Socket: Porcelain, horizontally-mounted, mogul-base socket with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Integral arm for pole or wall mounting. Optional mountings available.

LISTINGS — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 Rated.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

AERIS™
Architectural Area & Roadway Luminaires

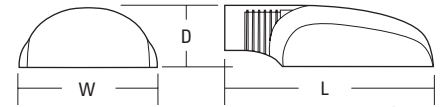


AS2

METAL HALIDE: 175W-400W
HIGH PRESSURE SODIUM: 200W-400W
10' to 35' Mounting

Specifications

- EPA: 1.2 ft²
- Length: 28-1/2 (72.4)
- Width: 17-1/8 (43.2)
- Height: 8-3/8 (21.0)
- *Weight: 40 lbs (18.2 kg)



All dimensions are inches (centimeters) unless otherwise indicated.

*Weight as configured in example below.



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

ORDERING INFORMATION

For shortest lead times, configure products using **standard options (shown in bold)**.

Example: AS2 250M SR3 TB SCWA SPA LPI

AS2	Series	Wattage	Distribution	Voltage	Ballast	Mounting	Options	Finish ¹⁶	Lamp ¹⁷
	AS2	Metal halide 175M ² 200M ³ 250M⁴ 320M ³ 350M ^{2,3,5} 400M^{4,5} High pressure sodium ⁶ 200S 250S 400S	SR2 Segmented type II roadway SR3 Segmented type III asymmetric SR4SC Segmented type IV forward throw, sharp cutoff SR4W Segmented type IV wide, forward throw SR5S Segmented type V symmetric square	120 208 ⁷ 240 ⁷ 277 347 480 ⁷ TB⁸ 23050HZ ⁹	(blank) Magnetic ballast CWI Constant wattage isolated Pulse Start SCWA Super CWA pulse start ballast	SPA Square pole mounting RPA Round pole mounting WBA Wall bracket (up or down) ¹⁰ Shipped separately ^{11, 12} ASKMA2 Mast arm adaptor DCAS2 Decorative curved arm, square pole only DCAS2R Decorative curved arm, round pole only SPA19/AS Square pole adaptor (DM19 to SPA) RPA19/AS Round pole adaptor (DM19 to RPA)	Shipped installed in fixture SF Single fuse (120, 277, 347V) DF Double fuse (208, 240, 480V) PER NEMA twist-lock receptacle only (no photocontrol) EC Emergency circuit ¹³ QRS Quartz restrrike system ¹³ HS Houseside shield (SR2, SR3) ^{11, 14} CSA CSA certified NOM NOM certified ⁹ INTL Available for MH probe start shipping outside the U.S. REGC1 California Title 20 effective 1/1/2010 Shipped separately ¹¹ PE1 NEMA twist-lock PE (120, 208, 240V) PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277V) SC Shorting cap VG Vandal guard ¹⁵	(blank) Dark bronze DBL Black DGC Charcoal gray DMB Medium bronze DNA Natural aluminum DWH White CR Corrosion resistance	LPI Lamp included L/LP Less lamp

Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.

Note: Aeris™ has a unique drilling template that requires an Aeris drilling pattern to be specified when ordering poles. See example below.
Example: SSA 20 4C **DM19AS** **DOB**
Aeris Drilling Pattern

DM19AS	1 at 90 degrees
DM28AS	2 at 180 degrees
DM29AS	2 at 90 degrees
DM39AS	3 at 90 degrees
DM49AS	4 at 90 degrees
DM32AS	3 at 120 degrees (round poles only)

Accessories: Tenon Mounting Slipfitter							
Order as separate catalog number. Must be used with pole mounting (RPA).							
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490	
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490	
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490	

- Notes**
- Lower wattages available. Consult factory.
 - These wattages do not comply with California Title 20 regulations.

- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Must use reduced jacket lamp.
- Not available with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
- Consult factory for available wattage.
- Mounted in lens-up orientation, fixture is damp location listed.
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- Maximum allowance wattage lamp included.
- Order AS2SR2/3HS U or AS2SR4WHS U as an accessory.
- Order AS2VG U as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified.

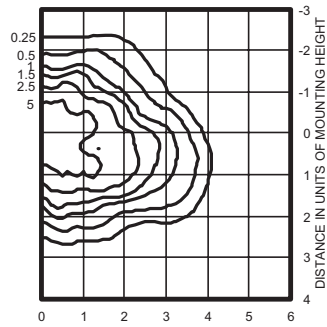
AS2 Metal Halide, High Pressure Sodium Area Lighting

Coefficient of Utilization

Initial Footcandles

AS2 400M SR3 TEST NO. LTL 10099P

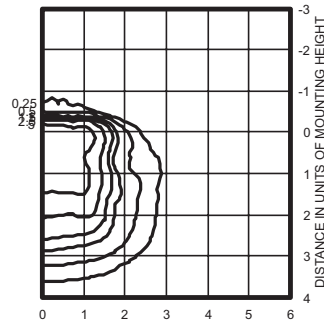
ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Type III, Medium, Full Cutoff

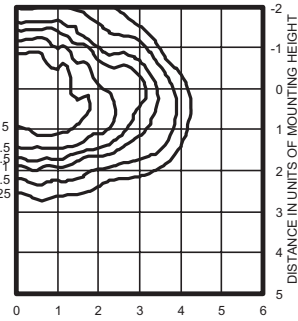
AS2 400M SR4SC TEST NO. LTL 10100P

ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

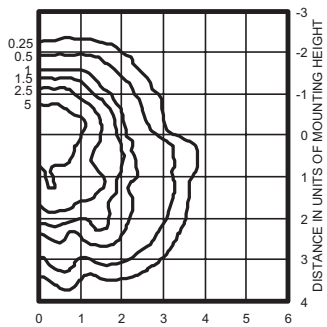
AS2 400S SR3 TEST NO: LTL10104



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Medium, Full Cutoff

AS2 400M SR4W TEST NO. LTL 10101P

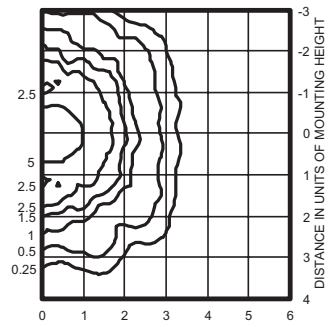
ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Type IV, Short, Full Cutoff

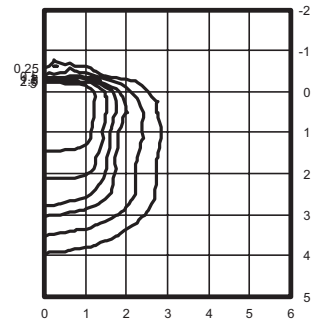
AS2 400M SR5S TEST NO. LTL 10102P

ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

AS2 400S SR4SC TEST NO: LTL10105



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

Notes

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting web site (www.lithonia.com).
- 2 For electrical characteristics consult Outdoor technical data specification sheets on www.lithonia.com.
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

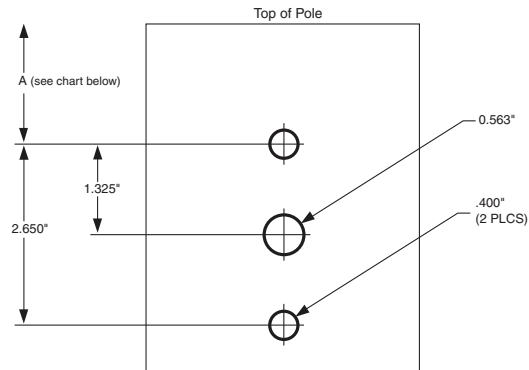
- 10 ft. = 4
- 15 ft. = 1.78
- 30 ft. = 0.44
- 40ft. = .25

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

DRILLING TEMPLATE # 8

AERIS™

Pole-Mounted Luminaire (not for suspend)



*"A" recommended dimension
Aluminum Poles Only 1.750"
All Other Pole Types 2.750"

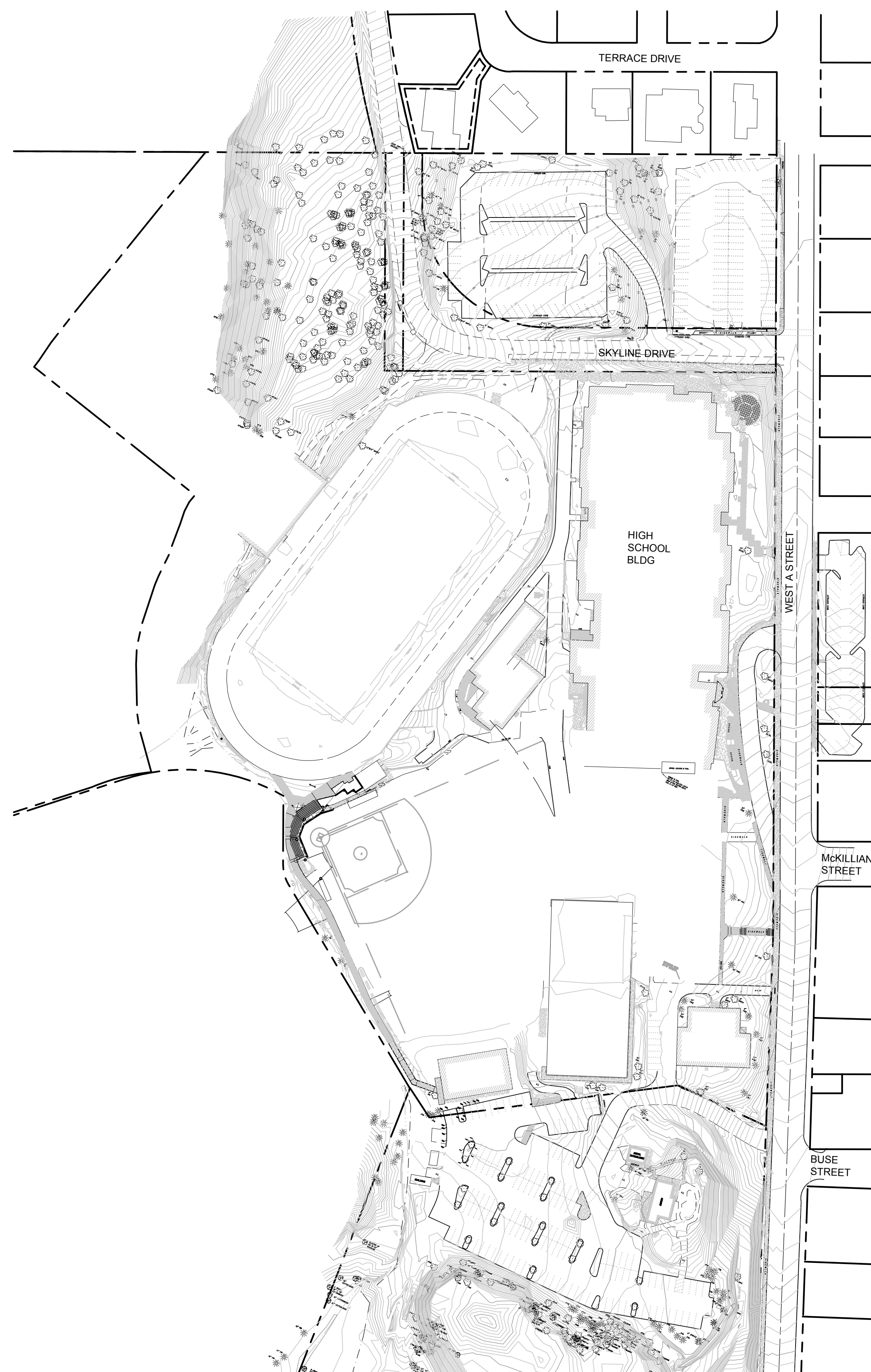
Note: Dimension varies by pole type to allow clearance for pole cap. Check pole cap depth if field drilling poles.

NOTE: This drawing is NOT to scale and should be used for dimensional purposes only.

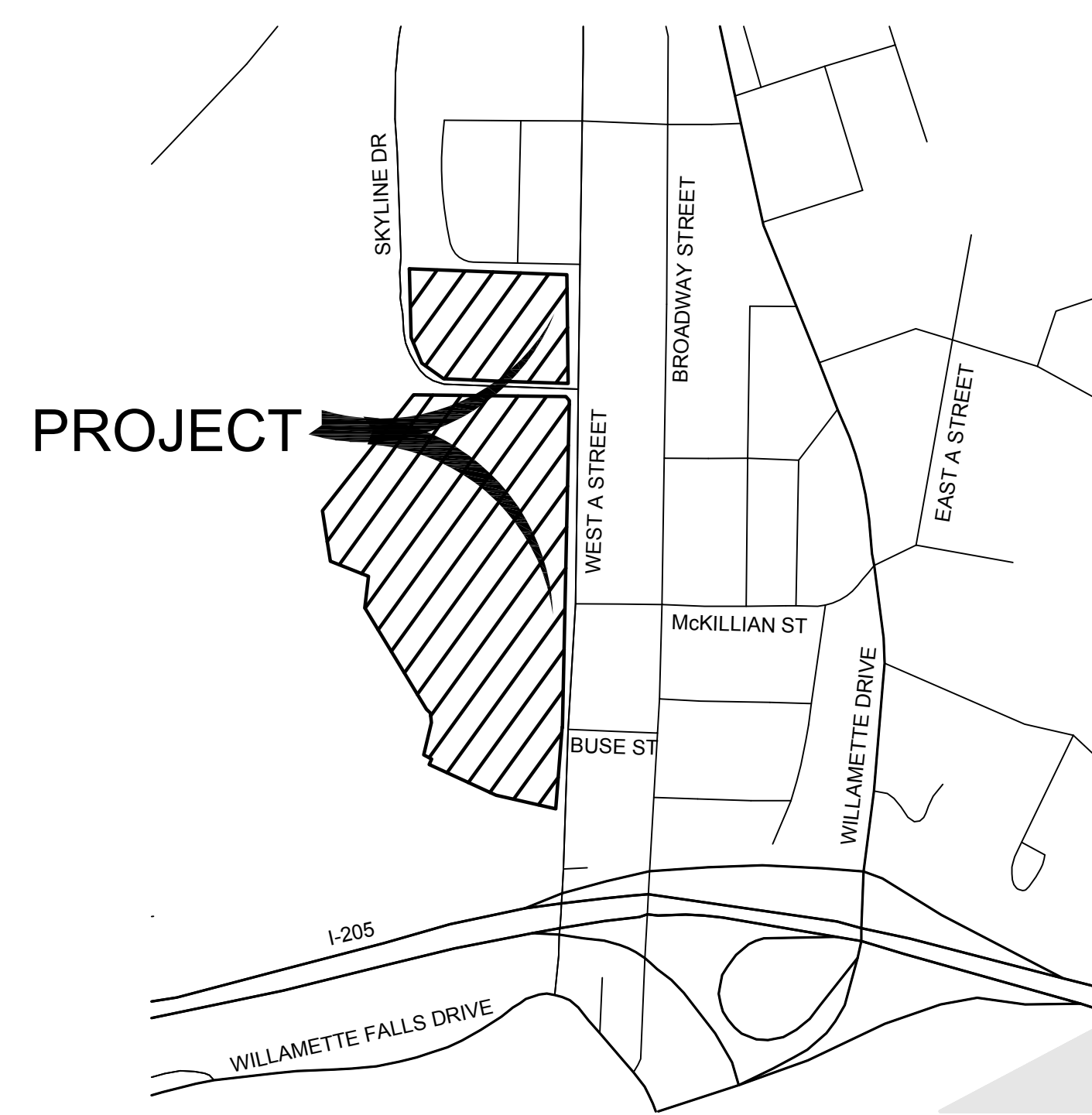
STUDENT PARKING LOT IMPROVEMENT PLANS FOR WEST LINN HIGH SCHOOL CITY OF WEST LINN, OREGON DESIGN REVIEW DRAWINGS



GHD Inc.
1575 SW Sequoia Parkway Suite 140 Portland Oregon 97224 USA
T 503 228 3821 F 503 228 3926
W www.ghd.com



1 SITE MAP
SCALE: 1"=100'-0"



VICINITY MAP

OWNER

WEST LINN-WILSONVILLE SCHOOL DISTRICT
2755 SW BORLAND ROAD
TUALATIN, OR 97062
(503) 673-7376

CIVIL ENGINEER

GHD INC.
1575 SW SEQUOIA PARKWAY, SUITE 140
PORTLAND, OR 97224
(503) 228-3921

LANDSCAPE ARCHITECT

WALKER-MACY
111 SW OAK STREET, SUITE 200
PORTLAND, OR 97204
(503) 228-5122

ELECTRICAL ENGINEER

PAE CONSULTING ENGINEERS, INC.
808 SW 3RD STREET, SUITE 300
PORTLAND, OR 97204
(503) 228-2921

SHEET INDEX

- C1 COVER SHEET
- C2 GENERAL ARRANGEMENT
- C3 DEMOLITION PLAN
- C4 SITE PLAN
- C5 GRADING PLAN
- C6 UTILITY PLAN
- L1 PLANTING PLAN
- E0.1 ELECTRICAL LEGEND
- E1.0 ELECTRICAL DEMO PLAN
- E2.0 ELECTRICAL LIGHTING AND POWER PLAN
- E5.0 ELECTRICAL DETAILS

CIVIL ABBREVIATIONS

- AC ASPHALT CONCRETE
- EG EXISTING GROUND
- CL CENTER LINE
- FG FINISHED GROUND
- FL FLOW LINE
- FS FINISHED SURFACE
- G GUTTER / GAS
- IE INVERT ELEVATION
- L LENGTH
- LF LINEAL FEET
- NTS NOT TO SCALE
- S SLOPE
- SD STORM DRAIN
- SDCB STORM DRAIN CATCH BASIN
- SDMH STORM DRAIN MANHOLE
- TC TOP OF CURB
- TP TOP OF PIPE
- TYP TYPICAL
- W WATER

GRADING NOTES

- SURVEY OF EXISTING CONDITIONS PREPARED BY COMPASS ENGINEERING. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING RIGHT-OF-WAY LINES, SLOPE EASEMENTS, AND ALL HORIZONTAL AND VERTICAL CONTROL PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL ARRANGE FOR STAKING WITH A LICENSED SURVEYOR. STAKING WILL BE REVIEWED BY OWNER FOR CONFORMANCE TO DESIGN PRIOR TO CONSTRUCTION.
- ALL GRADES BETWEEN SPOT ELEVATIONS SHALL HAVE UNIFORM SLOPE UNLESS OTHERWISE INDICATED. MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING WALLS AND DOORS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
- ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL EXISTING CONDITIONS. DISTURBED LANDSCAPED AREAS SHALL RECEIVE BARK DUST AND REPLACEMENT PLANTINGS. DISTURBED NATURAL AREAS SHALL BE HYDROSEEDED TO REPLACE NATIVE COVER. DISTURBED GRAVEL AREAS SHALL RECEIVE REPLACEMENT GRAVEL OR CRUSHED ROCK SURFACING.
- ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
- DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
- ALL EXISTING MONUMENTS SHALL BE PROTECTED DURING CONSTRUCTION. IF ANY MONUMENTS ARE DISTURBED OR DESTROYED DURING CONSTRUCTION, CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO RESTORE THE MONUMENT TO ITS ORIGINAL CONDITION AND FILE THE NECESSARY SURVEYS AS REQUIRED BY STATE LAW.
- COMPLETELY COVER ANY SOIL STOCKPILES WITH 6 MIL BLACK PLASTIC AND PROVIDE RESTRAINTS TO HOLD PLASTIC IN PLACE. MONITOR PLASTIC COVER AS PART OF CONTINUOUS EROSION CONTROL PLAN. PLACE SILT FENCE COMPLETELY AROUND STOCKPILE.
- A GRADING PERMIT MUST BE OBTAINED PRIOR TO ANY GRADING ACTIVITIES TAKING PLACE.

GENERAL EROSION CONTROL NOTES

- THE PROPOSED EROSION CONTROL MEASURES ARE A MINIMUM BEST MANAGEMENT PRACTICE. THE CONTRACTOR MAY BE REQUIRED TO TAKE ADDITIONAL EROSION CONTROL MEASURES TO ENSURE THAT NO SEDIMENT LADEN WATER EXISTS THE SITE OR ENTERS THE EXISTING STORMWATER SYSTEMS. THE CONTRACTOR MAY ALSO BE DIRECTED BY THE CITY ENGINEER, CITY INSPECTOR, OR PROJECT ENGINEER TO CONTROL DUST AND AIRBORNE EROSION.
- PRIOR TO COMMENCEMENT OF GRADING ACTIVITY AND AFTER INSTALLATION OF EROSION CONTROL MEASURES, CONTRACTOR IS TO CONTACT THE CITY OF WEST LINN FOR THEIR SITE REVIEW AND APPROVAL.
- ALL EROSION CONTROL PERMITS MUST BE OBTAINED PRIOR TO ANY GRADING ACTIVITIES TAKING PLACE.

DEMOLITION NOTES

- DEMOLITION REQUIREMENTS SHOWN ON THESE DRAWINGS ARE INTENDED TO ILLUSTRATE THE GENERAL SCOPE OF DEMOLITION AND ARE GENERALLY DIAGRAMMATIC. THEY DO NOT IDENTIFY EVERY ELEMENT TO BE REVISED. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A DETAILED SCOPE OF DEMOLITION FROM OWNER AND FROM EXAMINATION OF EXISTING SITE CONDITIONS.
- CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN, PRIOR TO CONSTRUCTION, OUTLINING ALL ITEMS TO BE REMOVED.
- DEMOLISHED ITEMS SHALL BE REMOVED FROM THE SITE EXCEPT THOSE ITEMS IDENTIFIED AS "TO REMAIN", "SAVE AND PROTECT", OR "SALVAGE FOR OWNER".
- ALL LINES THAT ARE CUT AT THE LIMITS OF DEMOLITION OR POINT OF DISCONNECTION WITHIN THE WORK AREA SHALL BE CAPPED OR PLUGGED WATER TIGHT TO CITY'S OR OWNER'S APPROVAL.
- DEMOLITION PERMIT MUST BE OBTAINED AND APPROPRIATE EROSION CONTROL MEASURES IN PLACE PRIOR TO ANY DEMOLITION ACTIVITIES TAKING PLACE.

GENERAL SITE NOTES

- CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THAT NEW FEATURES TIE INTO EXISTING SITE DEVELOPMENT, PAVEMENT JOINTS MATCH CORRECTLY, AND THAT GENERAL DESIGN ELEVATIONS FOR NEW CONSTRUCTION PROVIDE PROPER PAVEMENT AND DRAINAGE SLOPES FROM EXISTING TIE-IN POINTS. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- IN AREAS WHERE ASPHALT PAVING IS BEING REWORKED, PROVIDE NEW PAINT STRIPING FOR ALL REVISED PAVING WORK AND PARKING STALLS. EXISTING STRIPING TO BE BLACKENED OUT IN RECONFIGURED AREAS AS REQUIRED.
- ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH CITY INSPECTOR(S). CONTRACTOR SHALL NOTIFY CITY INSPECTOR(S) 48 HOURS PRIOR TO START OF CONSTRUCTION.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL HAVE A MINIMUM OF ONE (1) SET OF PERMIT APPROVED PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
- UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF WEST LINN STANDARDS AND SPECIFICATIONS.

UTILITY NOTES

- LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD DRAWINGS AND INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR.
- ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION UNDER THIS SECTION OR ANY OTHER SECTION.
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, OR FITTING REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND WORKING SYSTEM.
- CONTRACTOR SHALL COORDINATE A UTILITY LOCATE 48 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION FOR LOCATION MARK-UP OF ALL EXISTING UTILITIES BOTH IN THE RIGHT-OF-WAY AND ON PRIVATE PROPERTY. CONTRACTOR SHALL COORDINATE THE UTILITY LOCATE WITH MUNICIPALITY HAVING JURISDICTION FOR ALL UTILITY WORK WITHIN A PUBLIC RIGHT-OF-WAY. INFORM ENGINEER IMMEDIATELY IF LOCATE INDICATES THAT EXISTING UTILITIES ARE DIFFERENT THAN SHOWN ON DRAWINGS. PRE-SURVEY LOCATING REQUESTS SHALL BE 14 DAYS IN ADVANCE.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE, LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION.
- ALL UTILITY CONSTRUCTION ON PRIVATE PROPERTY SHALL CONFORM TO THE LATEST EDITION OF THE OREGON PLUMBING SPECIALTY CODE. ALL UTILITY CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD REQUIREMENTS OF THE MUNICIPALITY HAVING JURISDICTION.
- ALL BURIED LINES TO HAVE 2 FEET MINIMUM COVER, UNLESS NOTED OTHERWISE.
- DOWNSPOUT AND BUILDING UTILITY CONNECTIONS TO BE SHOWN ON BUILDING PLUMBING DRAWINGS. REFER TO PLUMBING DRAWINGS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
- THRUST RESTRAINTS IS REQUIRED ON ALL PRESSURE LINE BENDS AND FITTINGS.
- SEE LANDSCAPE DRAWINGS FOR IRRIGATION LINES.
- ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
- CONFIRM FIRE HYDRANT TYPE, NOZZLE SIZES, AND THREAD CONFIGURATIONS WITH LOCAL MUNICIPALITY HAVING JURISDICTION PRIOR TO CONSTRUCTION.
- CONFIRM ALL UTILITY VALVE VAULTS, VALVES, METERS, BACKFLOW PREVENTION ASSEMBLIES, AND OTHER PUBLIC UTILITY APPURTENANCES IN THE RIGHT-OF-WAY WITH THE MUNICIPALITY HAVING JURISDICTION.

ATTENTION EXCAVATORS

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0099. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING ANY EXCAVATION. CALL 503-246-6699.

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

REUSE OF DOCUMENTS
This document and its ideas and designs, incorporated herein as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

MARK	DATE	DESCRIPTION	ISSUE
	5/8/12	DESIGN REVIEW SUBMITTAL	

WEST LINN WILSONVILLE SCHOOL DISTRICT
WEST LINN HIGH SCHOOL
STUDENT PARKING LOT IMPROVEMENTS

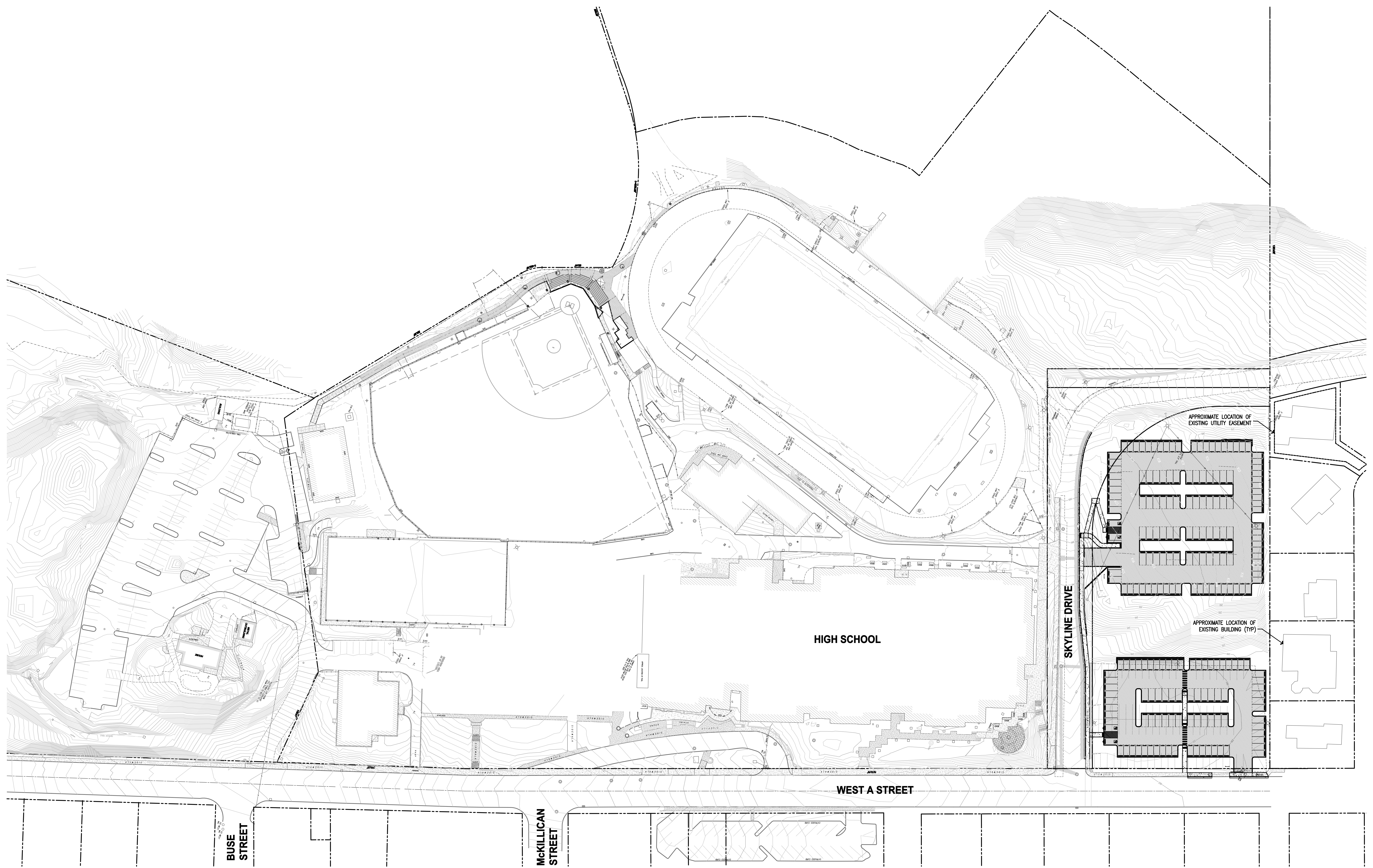
COVER SHEET

PROJ NO: 11456-11009

DRWN: PRK CHKD: STS

C1

SHEET OF



SURVEY NOTES

1. TOPOGRAPHIC FEATURES SHOWN ON THIS MAP WERE LOCATED USING STANDARD PRECISION TOPOGRAPHIC MAPPING PROCEDURES. THIRD PARTY USERS OF DATA FROM THIS MAP PROVIDED VIA AUTOCAD DRAWING FILES OR DATA EXCHANGE FILES SHOULD NOT RELY ON ANY AUTOCAD GENERATED INFORMATION WHICH IS BEYOND THE LIMITS OF PRECISION OF THIS MAP. THIRD PARTIES, USING DATA FROM THIS MAP IN AN AUTOCAD FORMAT, SHOULD VERIFY ANY ELEMENTS REQUIRING PRECISE LOCATIONS PRIOR TO COMMENCEMENT OF ANY CRITICAL DESIGN OR CONSTRUCTION. CONTACT COMPASS ENGINEERING FOR FURTHER INFORMATION. FURTHERMORE, COMPASS ENGINEERING WILL NOT BE RESPONSIBLE NOR HELD LIABLE FOR ANY DESIGN OR CONSTRUCTION RELATED PROBLEMS THAT ARISE OUT OF THIRD PARTY USAGE OF THIS MAP (IN AUTOCAD OR OTHER FORMAT) FOR ANY PURPOSE OTHER THAN SPECIFICALLY STATED HEREIN. THIS STATEMENT IS AN OFFICIAL PART OF THIS MAP.
2. THE LOCATION OF UTILITIES (SANITARY SEWER, WATER, NATURAL GAS, AND ELECTRICITY) SERVING THIS PROPERTY ARE BASED UPON FIELD MARKINGS MADE BY THE LOCAL UTILITY AGENTS AND RECORD INFORMATION THEY HAVE PROVIDED. COMPASS CORPORATION MAKES NO WARRANTIES WITH REGARD TO THE ACCURACY OR COMPLETENESS OF DATA SHOWN. ADDITIONAL UTILITIES MAY EXIST.
3. THE STORM SEWER FEATURES (MANHOLES, CATCH BASINS AND DRAINS) WERE FIELD TIED. THE UNDERGROUND PIPELINES CONNECTING THESE FEATURES WERE DRAWN USING FIELD DATA.
4. THE LOCATION OF BUILDINGS SHOWN ON THIS SURVEY ARE BASED UPON FIELD MEASUREMENTS TAKEN AT THE BUILDING FACE.
5. CONTOUR INTERVALS ARE 1 FOOT.
6. BOUNDARY IS PER P.S. 17363 AND P.S. 17653, CLATSOP COUNTY SURVEY RECORDS. BASIS OF BEARINGS FOR THIS PROJECT ARE ASSUMED "NORTH" FROM POINT NUMBER 4 TO POINT NUMBER 1.

1 GENERAL ARRANGEMENT
SCALE: 1"=50'-0"
N

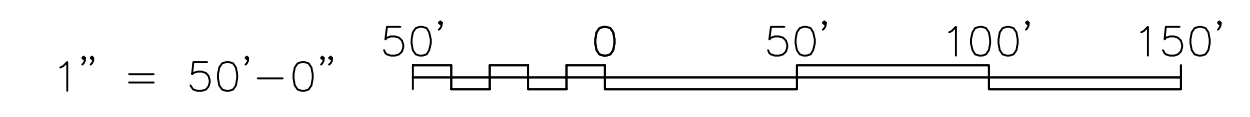
SURVEY LEGEND

- CATCH BASIN
- CLEANOUT
- ⊕ FIRE HYDRANT
- ⊗ LIGHT POLE
- ⊕ POWER POLE
- ⊕ STM MH
- ⊕ WATER METER
- ⊕ WATER VALVE
- SPRINKLER
- CURB
- OP OVERHEAD POWER
- EDGE OF PAVEMENT
- FENCE, CHAIN LINK UNLESS NOTED OTHERWISE
- EDGE OF GRAVEL
- STM STORM LINE
- G GAS LINE
- SAN SANITARY SEWER LINE
- OP UNDERGROUND POWER

CIVIL ABBREVIATIONS

- A.C. ASPHALT CONCRETE
- IE INVERT ELEVATION
- FS FINISH SURFACE
- G GUTTER
- NTS NOT TO SCALE
- ROW RIGHT-OF-WAY
- SDCB STORM DRAIN CATCH BASIN
- TC TOP OF CURB

GENERAL NOTE
ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS.



COMPASS ENGINEERING
ENGINEERING SURVEYING PLANNING
6066 E. LANE ROAD MILWAUKEE, OREGON 97222
www.compass-engineering.com
(503) 653-9000 PHONE
(503) 653-9005 FAX



GHD Inc.
1575 SW Sequoia Parkway Suite 140 Portland Oregon 97224 USA
T 503 228 3821 F 503 228 3926
W www.ghd.com

REUSE OF DOCUMENTS
This document and its ideas and designs incorporated herein as an instrument of professional service is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

MARK	DATE	DESCRIPTION	ISSUE
	5/8/12	DESIGN REVIEW SUBMITTAL	

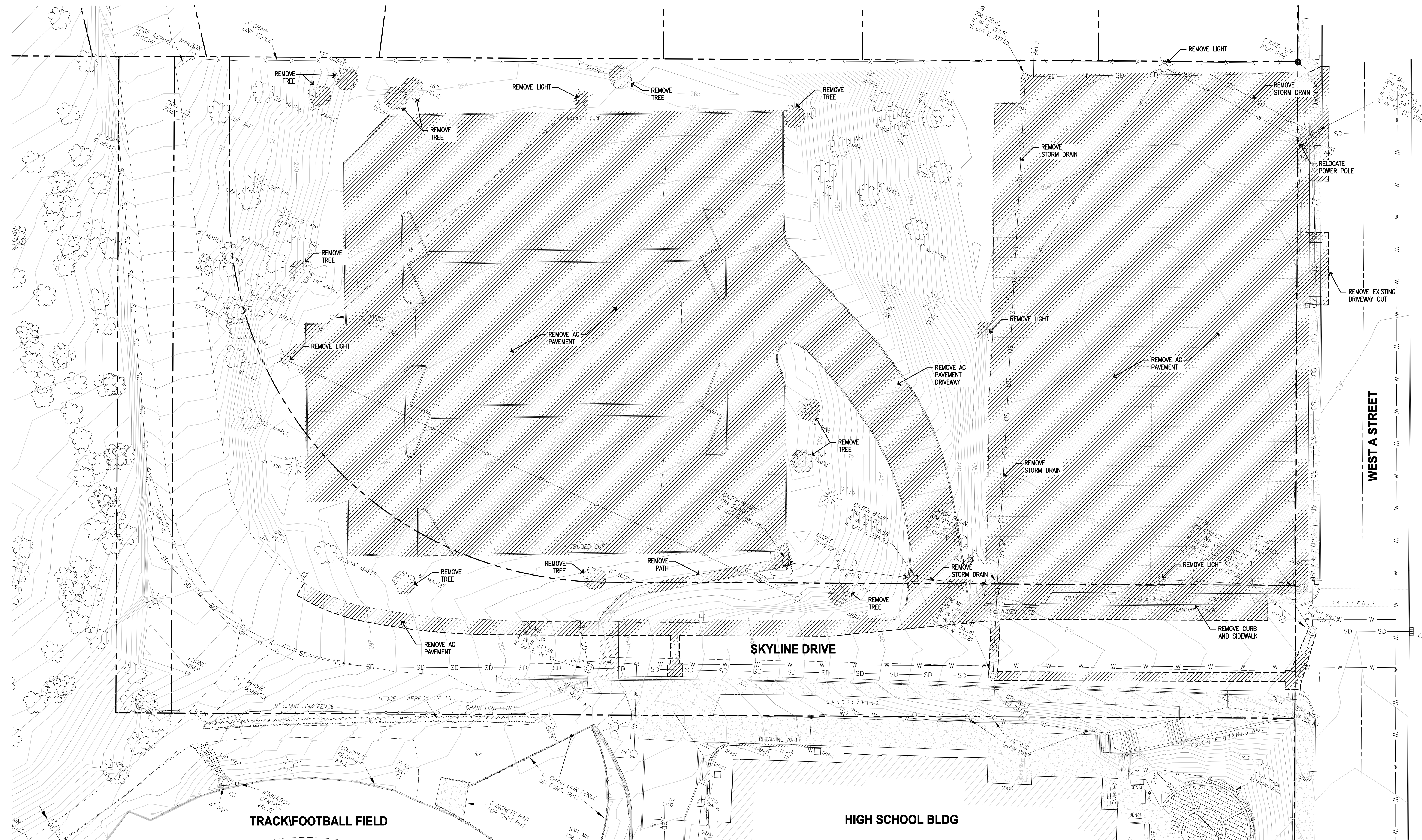
**WEST LINN WILSONVILLE SCHOOL DISTRICT
WEST LINN HIGH SCHOOL
STUDENT PARKING LOT IMPROVEMENTS
GENERAL ARRANGEMENT
OVERALL PLAN**

PROJ NO: 11456-11009

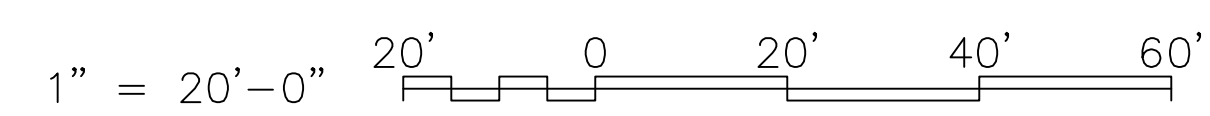
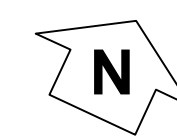
DRWN: CHKD:

C2

SHEET OF



1 DEMOLITION PLAN
 C3/C3 SCALE: 1"=20'-0"



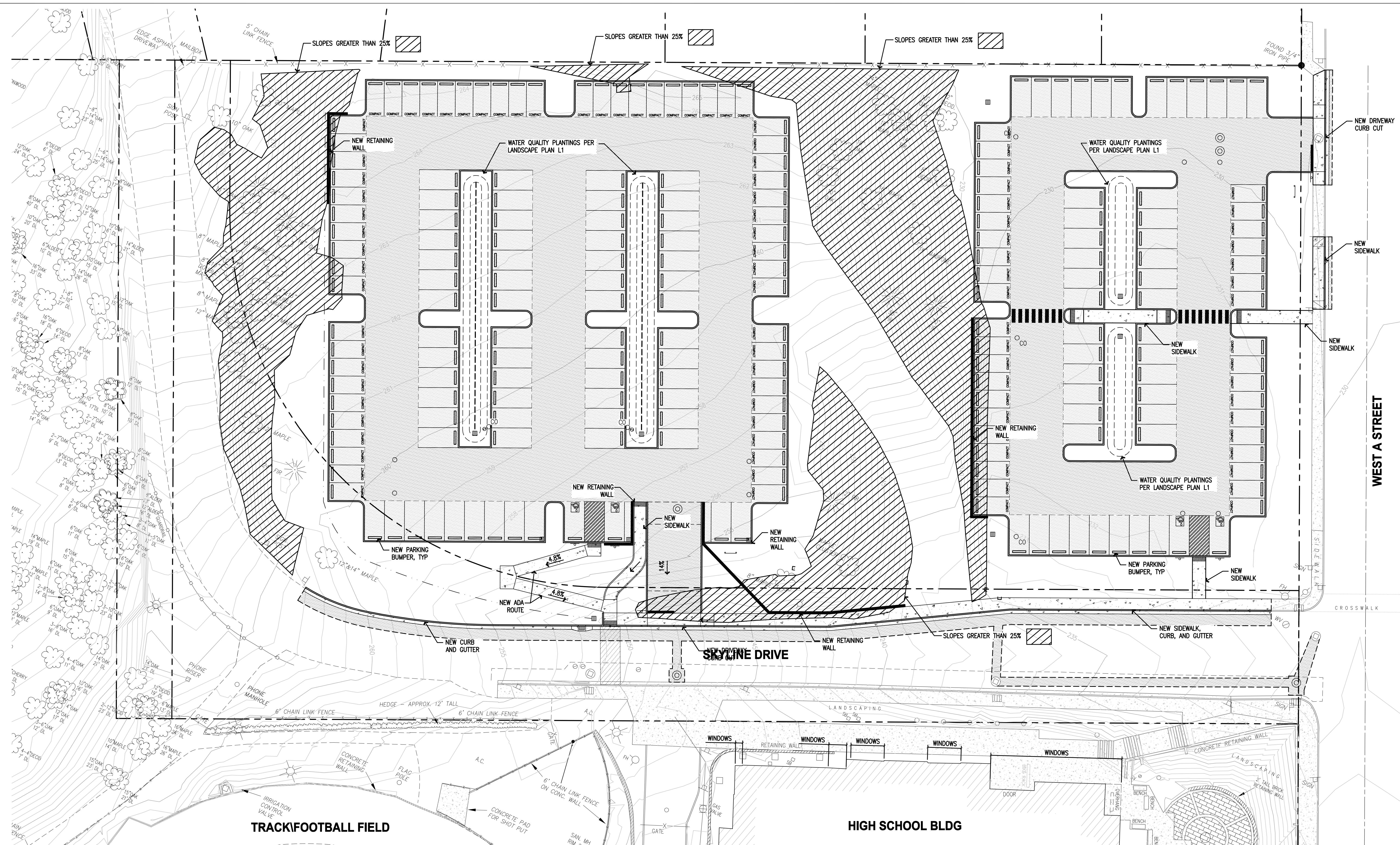
GHD
 GHD Inc.
 1575 SW Secunda Parkway Suite 140 Portland Oregon 97224 USA
 T 503 228 3821 F 503 228 3926
 W www.ghd.com

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 REUSE OF DOCUMENTS
 This document and its ideas and designs incorporated herein as an instrument of professional service is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

MARK	DATE	DESIGN REVIEW SUBMITTAL	DESCRIPTION	ISSUE
	5/8/12	DESIGN REVIEW SUBMITTAL		

**WEST LINN WILSONVILLE SCHOOL DISTRICT
 WEST LINN HIGH SCHOOL
 STUDENT PARKING LOT IMPROVEMENTS
 DEMOLITION PLAN**

PROJ NO: 11456-11009
 DRWN: CHKD:



PARKING COUNT SUMMARY

EXISTING CONDITION – 207 TOTAL SPACES

LOWER LOT: 96 TOTAL SPACES

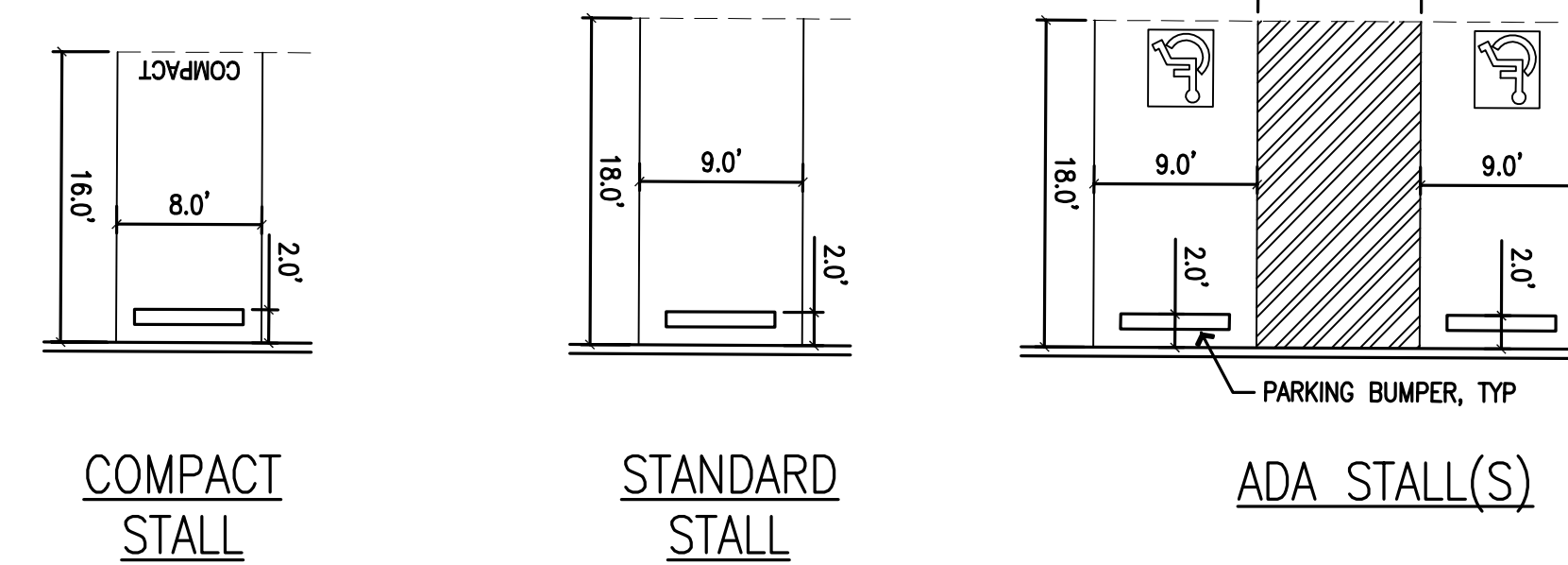
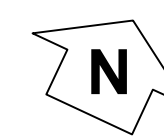
UPPER LOT: 111 TOTAL SPACES

PROPOSED CONDITION – 209 TOTAL SPACES

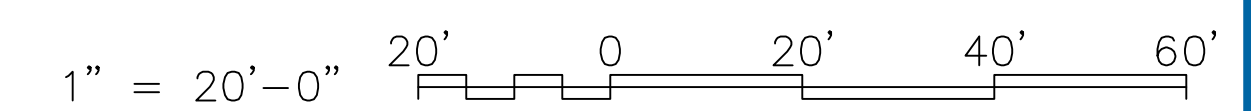
- LOWER LOT: 84 TOTAL SPACES
- COMPACT: 38 SPACES
 - STANDARD: 44 SPACES
 - ADA: 2 SPACES

- UPPER LOT: 125 TOTAL SPACES
- COMPACT: 60 SPACES
 - STANDARD: 63 SPACES
 - ADA: 2 SPACES

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



TYPICAL PARKING SPACE DIMENSIONS



GHD Inc.
1575 SW Secuela Parkway Suite 140 Portland Oregon 97224 USA
T 503 228 3821 F 503 228 3926
W www.ghd.com

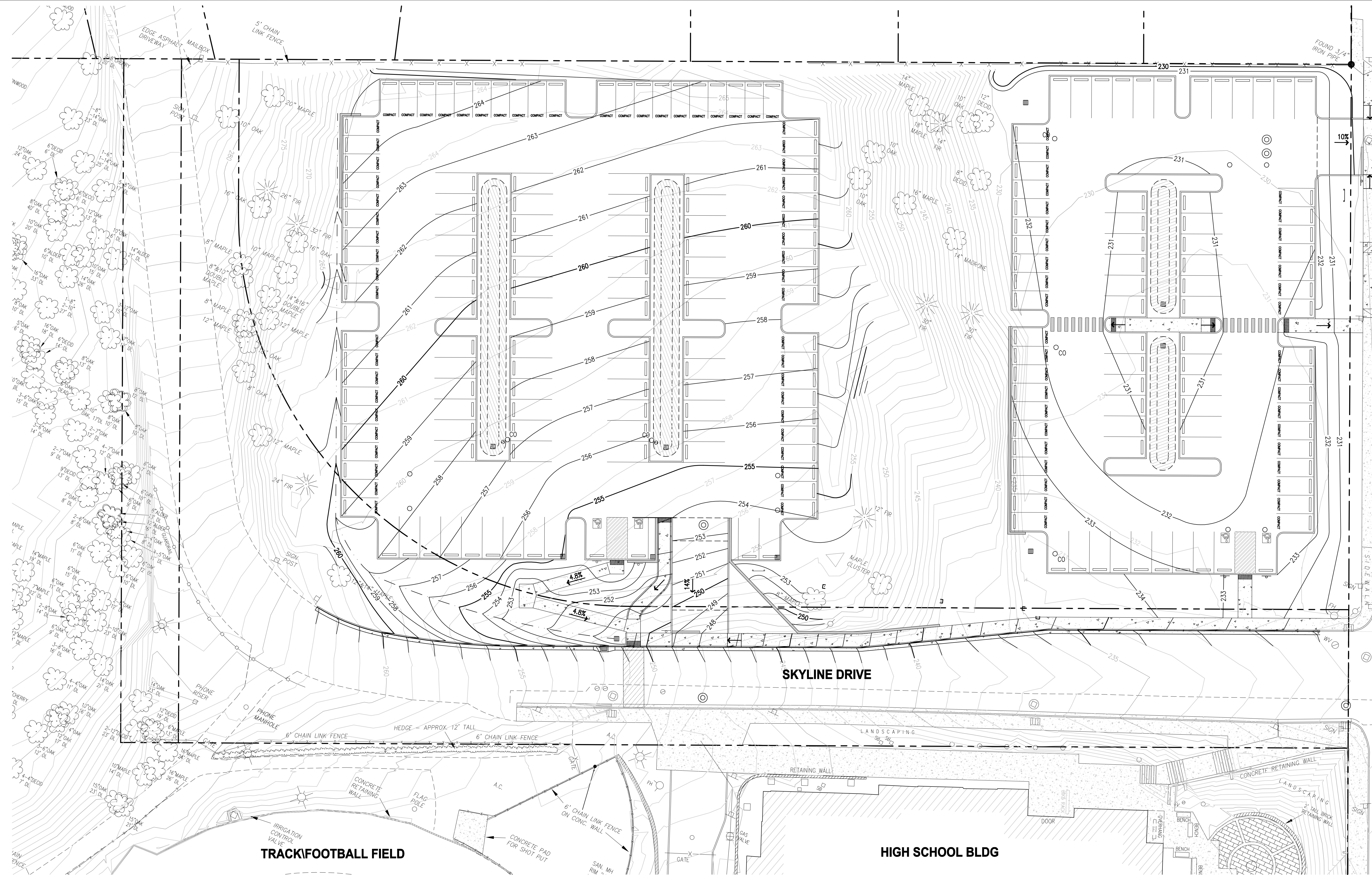
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

REUSE OF DOCUMENTS
This document and its ideas and designs incorporated herein as an instrument of professional service is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

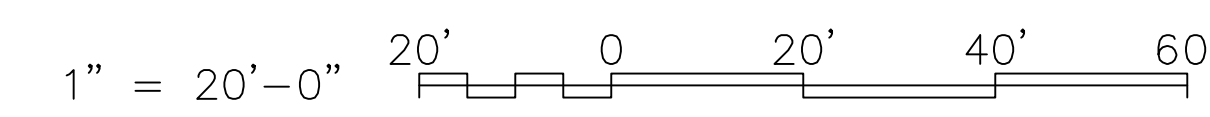
MARK	DATE	DESCRIPTION	ISSUE
	5/8/12	DESIGN REVIEW SUBMITTAL	

**WEST LINN WILSONVILLE SCHOOL DISTRICT
WEST LINN HIGH SCHOOL
STUDENT PARKING LOT IMPROVEMENTS
SITE PLAN**

PROJ NO: 11456-11009
DRWN: CHKD:



1 GRADING PLAN
 C5/C5 SCALE: 1"=20'-0" N



WEST LINN WILSONVILLE SCHOOL DISTRICT
WEST LINN HIGH SCHOOL
STUDENT PARKING LOT IMPROVEMENTS

GRADING PLAN

PROJ NO: 11456-11009
 DRWN: CHKD:
 DATE: 5/8/12
 MARK: DESIGN REVIEW SUBMITTAL
 DESCRIPTION: ISSUE

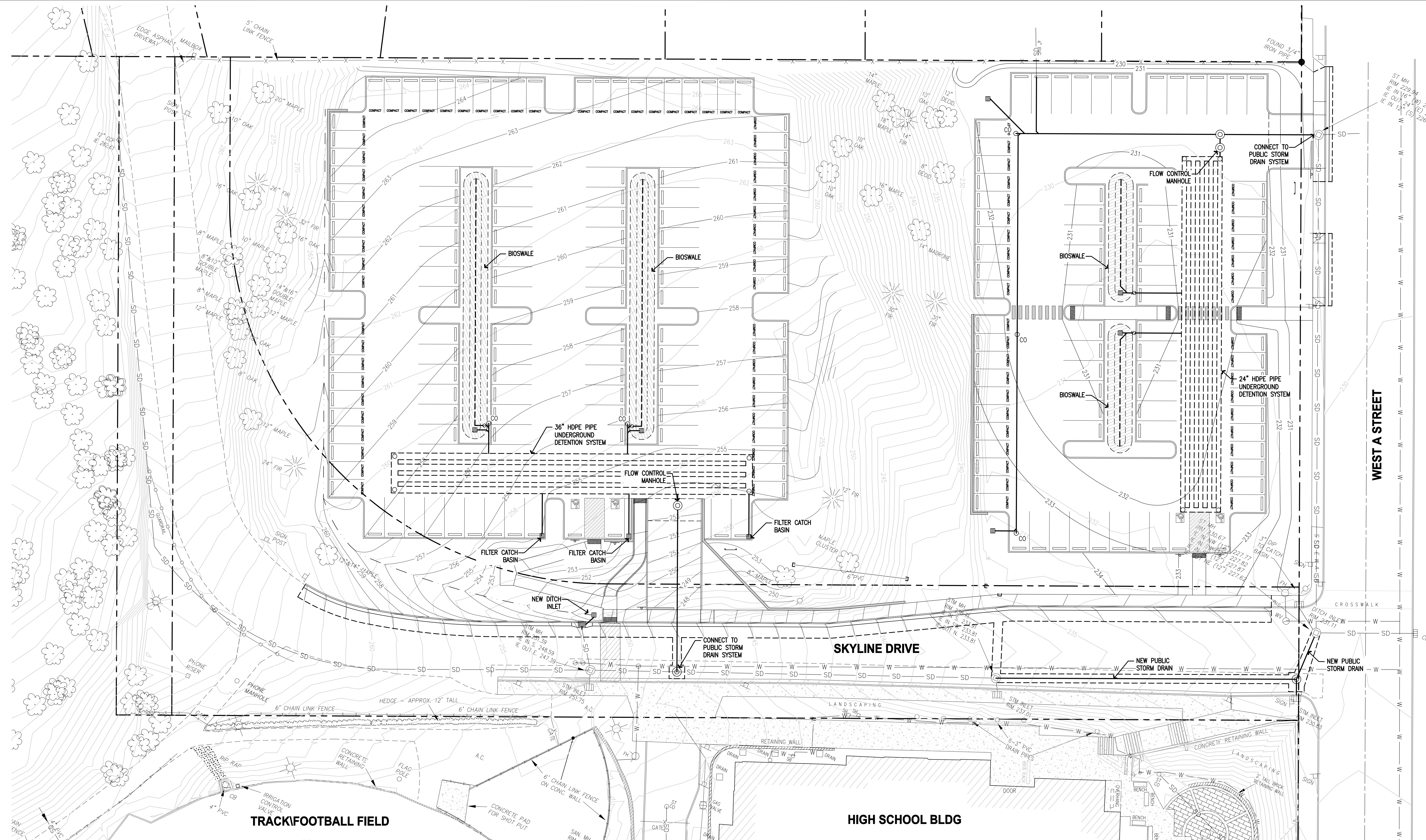
C5

SHEET OF

BAR IS ONE INCH ORIGINAL DRAWING 0 1"

REUSE OF DOCUMENTS
 This document and its ideas and designs, incorporated herein as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

GHD
 GHD Inc.
 1575 SW Secunda Parkway Suite 140 Portland Oregon 97224 USA
 T 503 226 3821 F 503 226 3926
 W www.ghd.com



1 UTILITY PLAN
 C6/C6 SCALE: 1"=20'-0" N

1" = 20'-0" 20' 0 20' 40' 60'

**WEST LINN WILSONVILLE SCHOOL DISTRICT
 WEST LINN HIGH SCHOOL
 STUDENT PARKING LOT IMPROVEMENTS**

UTILITY PLAN

PROJ NO: 11456-11009
 DRWN: CHKD:

C6

SHEET OF

MARK	DATE	DESIGN REVIEW SUBMITTAL	DESCRIPTION
	5/8/12	DESIGN REVIEW SUBMITTAL	ISSUE

REUSE OF DOCUMENTS

This document and the ideas and designs incorporated herein as an instrument of professional service is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2012

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

GHD Inc.
 1575 SW Secunia Parkway Suite 140 Portland Oregon 97224 USA
 T 503 228 3821 F 503 228 3926
 W www.ghd.com