

Planning & Development • 22500 Salamo Rd #1000 • West Linn, Oregon 97068

Telephone 503.656.4211 • Fax 503.656.4106 • westlinnoregon.gov

DEVELOPMENT REVIEW APPLICATION

DLV	CEOTIVIENT NEVIEW AFFEI	CATION
STAFF CONTACT TOM SOPPE	PROJECT NO(s).	2
NON-REFUNDABLE FEE(S) /050	REFUNDABLE DEPOSIT(5)	TOTAL /350 -
Appeal and Review (AP) * Leg Conditional Use (CUP) X Design Review (DR)I Mi Easement Vacation No Extraterritorial Ext. of Utilities Final Plat or Plan (FP) Flood Management Area Hillside Protection & Erosion Control Home Occupation, Pre-Application, Side different or additional application forms Site Location/Address:		Subdivision (SUB) Temporary Uses * Time Extension * Variance (VAR) Water Resource Area Protection/Single Lot (WAI) Water Resource Area Protection/Wetland (WAP) Willamette & Tualatin River Greenway (WRG) Zone Change porary Sign Permit applications require Hall. Assessor's Map No.: 2S 2E 30 & 30CB
WEST LINN, OR 97068	CITY OF WEST LININ	Tax Lot(s):800, 4500, 4501, 4502, 4502E Total Land Area: 42 acres
Brief Description of Proposal: RENOV SCHOOL SITE		
Applicant Name: TIM WOODLEY		Phone: 503-673-7995
Address: 2755 SW BORLAND	RD	Email: woodleyt@wlwv.k12.or.us
City State Zip: TUALATIN, OR 970	62	
Owner Name (required): WEST LINN W	ILSONVILLE	Phone: 503-673-7995
Address: 22210 SW STA	FFORD RD	Email: woodleyt@wlwv.k12.or.us
City State Zip: TUALATIN, OR		
Consultant Name: KEITH LIDEN, PARS	SONS BRINCKERHOFF	Phone: 503-478-2348
Address: 400 SW 6 TH AVE., SI	UITE 802	Email: liden@pbworld.com
City State Zip: PORTLAND OR 972	04	×
1. All application fees are non-refundable (exc 2. The owner/applicant or their representative 3. A denial or approval may be reversed on ap 4. Three (3) complete hard-copy sets (single s One (1) complete set of digital application If large sets of plans are required in applica-	e should be present at all public hearing peal. No permit will be in effect until the ided) of application materials must be materials must also be submitted on Cl	s. he appeal period has expired. submitted with this application.
* No CD required / ** Only one hard-copy s	et needed	
comply with all code requirements applicable to my to the Community Development Code and to other represent applications and subsequent development development development development development development development	application. Acceptance of this application of regulations adopted after the application is a t is not vested under the provisions in place a	
Applicant's signature	Date Owner's sig	nature (required) Date



Transmittal

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

to:	Tom Soppe				from: Keith Liden						
	City of West Linn	Planning Depart	ment		date: 4.13.12						
	22500 Salamo Road West Linn, OR 97068				project: West Linn High School DR I						
					file number:						
via:		for your:		the foll	bllowing:						
□ mail		□ Information	/use	□ shop	drawings	□ change order	□ specifications				
□ messe	enger	X approval		□ сору	of letter	□ plans	□ CD				
□ fed-ex	(□ review/com	nment	□ print	s	☐ samples X application p					
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	Application packe			packet	ncluding:		3	4.13.12			
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					C6, E0.1, E1.0,						
3. Plan sheets (1			eets (11	x17 reductions	6)						

Comme	nts:										
Fee to b	oe paid by contac	ting the Distric	t – Amy Berge	er 503.6	73.7195						
Thank y	ou!										
Keith Li	den, 503.224.406	66 / <u>liden@pbw</u>	orld.com								
copy to:											

WEST LINN HIGH SCHOOL Class I Design Review

April 13, 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

Cover Sheet
Overall Plan
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





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

Properties in the Vicinity	Zone Designation	Land Use
Subject Property 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
Surrounding Properties 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.
- 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 that 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

Sections 55.100 B. 1. and 2. are not relevant because there are no heritage trees on the site.

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 toolless 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

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.

tray with tool-less latch and have positive locking disconnect plug.

Catalog Number	
Notes	
Туре	

Architectural Area & Roadway Luminaires



METAL HALIDE: 175W-400W HIGH PRESSURE SODIUM: 200W-400W

10' to 35' Mounting

Specifications

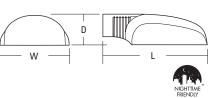
EPA: 1.2 ft²

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.



ORDERINGINFORMATION For shortest lead times, configure products using standard options (shown in bold). Example: AS2 250M SR3 TB SCWA SPA LI														
AS2														
Series	Wattage	Distribu	ution	Voltage	Ballast		Mounting)	Option	S	Finish ¹⁶		Lamp	17
AS2	Metal halide 175M² 200M³ 250M⁴ 320M³ 350M²,3,5 400M⁴,5 High pressure sodium 6 200S 250S 400S	SR2 SR3 SR4SC SR4W SR5S	Segmented type II roadway Segmented type III asymmetric Segmented type IV forward throw, sharp cutoff Segmented type IV wide, forward throw Segmented type IV wide, forward throw Segmented type V symmetric square	120 208 ⁷ 240 ⁷ 277 347 480 ⁷ TB ⁸ 23050HZ ⁹	CWI Pulse Si SCWA	Super CWA pulse start ballast shipments ritories, st be to comply		Square pole mounting Round pole mounting Wall bracket (up or down) ¹⁰ separately ^{11, 12} Mast arm adapter Decorative curved arm, square pole only Decorative curved arm, round pole only Square pole adaptor (DM19 to SPA) Round pole adaptor (DM19 to RPA)	SF DF PER EC QRS HS CSA NOM INTL	d installed in fixture Single fuse (120, 277, 347V) Double fuse (208, 240, 480V) NEMA twist-lock receptacle only (no photocontrol) Emergency circuit ¹³ Quartz restrike system ¹³ Houseside shield (SR2, SR3) ^{11,14} CSA certified NOM certified ⁹ Available for MH probe start shipping outside the U.S. California Title 20 effective 1/1/2010 d separately ¹¹ NEMA twist-lock PE (120, 208, 240V) NEMA twist-lock PE (480V) NEMA twist-lock PE (480V) Shorting cap Vandal guard ¹⁵	(blank) DBL DGC DMB DNA DWH CR	Dark bronze Black Charcoal gray Medium bronze Natural aluminum White Corrosion resistance	LPI	Lamp included Less lamp

Note: Aeris[™] has a unique drilling template that requires an Aeris ordering poles. See example below. Example: SSA 20 4C DM19AS DDB 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

- 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 in 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.
- 11
- 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.

OUTDOOR AS2-M-S

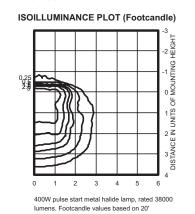
AS2 Metal Halide, High Pressure Sodium Area Lighting

Coefficient of Utilization

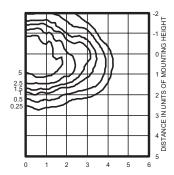
Initial Footcandles

AS2 400M SR3 TEST NO. LTL 10099P **ISOILLUMINANCE PLOT (Footcandle)** TANCE IN UNITS OF MOUNTING HEIGHT 400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20'

AS2 400M SR4SC TEST NO. LTL 10100P



TEST NO: LTL10104 **AS2 400S SR3**



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

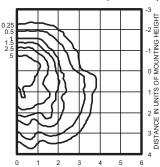
AS2 400M SR4W

mounting height.

TEST NO. LTL 10101P

ISOILLUMINANCE PLOT (Footcandle)

Classification: Type III, Medium, Full Cutoff



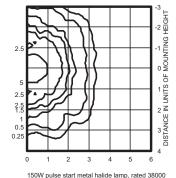
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height. Classification: Type IV, Short, Full Cutoff

AS2 400M SR5S

TEST NO. LTL 10102P

ISOILLUMINANCE PLOT (Footcandle)

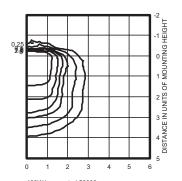
Classification: Unclassified (Type IV, Very Short), Full Cutoff



lumens. Footcandle values based on 20 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

- $Photometric\,data\,for\,other\,distributions\,can\,be\,accessed\,from\,the\,Lithonia\,Lighting\,web\,site\,(www.lithonia.com).$
- For electrical characteristics consult Outdoor technical data specification sheets on www.lithonia.com.
- $Tested\ to\ current\ IESNA\ and\ NEMA\ standards\ under\ stabilized\ laboratory\ conditions.\ Various\ operating\ factors\ can$ 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

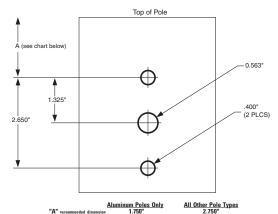
30 ft. = 0.44 40ft. = .25

Existing Mounting Height = Correction Factor New Mounting Height

DRILLING TEMPLATE #8

AERIS"

Pole-Mounted Luminaire (not for suspend)



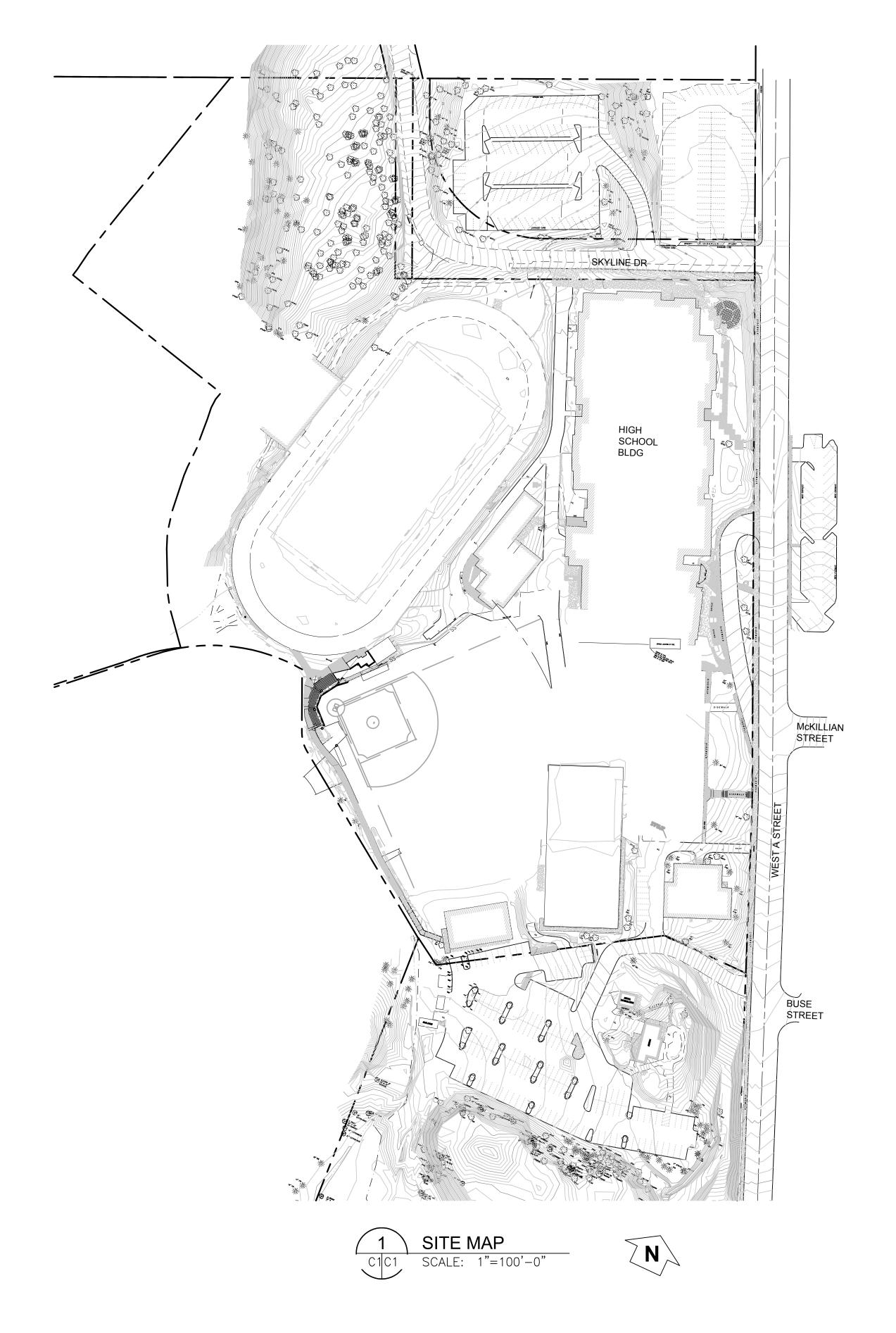
Note: Dimension varies by pole type to allow clearance for pole cap. Check pole cap depth if field drilling poles.

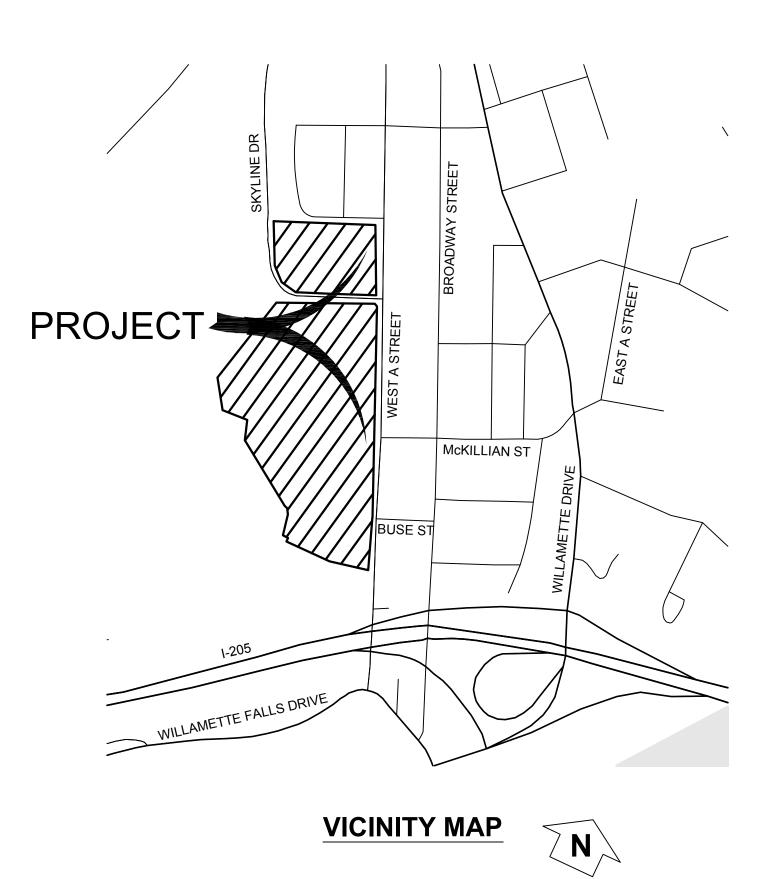
purposes only.



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

DESIGN REVIEW DRAWINGS





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 952-001-0090. 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.

OWNER

(503) 673-7976

WEST LINN-WILSONVILLE SCHOOL DISTRICT 2755 SW BORLAND ROAD TUALATIN, OR 97062

CIVIL ENGINEER

15575 SW SEQUOIA PARKWAY, SUITE 140 PORTLAND, OR 97224 (503) 226-3921

LANDSCAPE ARCHITECT WALKER-MACY

111 SW OAK STREET, SUITE 200 PORTLAND, OR 97204 (503) 228-3122

ELECTRICAL ENGINEER

PAE CONSULTING ENGINEERS, INC. 808 SW 3RD STREET, SUITE 300 PORTLAND, OR 97204 (503) 226-2921

SHEET INDEX

C1 COVER SHEET C2 GENERAL ARRANGEMENT C3 DEMOLITION PLAN

C5 GRADING PLAN C6 UTILITY PLAN

C4 SITE 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

ASPHALT CONCRETE

EXISTING GROUND

CENTER LINE

FINISHED GROUND FLOW LINE

FINISHED SURFACE

GUTTER / GAS

INVERT ELEVATION LENGTH

LINEAL FEET NTS NOT TO SCALE

STORM DRAIN STORM DRAIN CATCH BASIN STORM DRAIN MANHOLE

TOP OF PIPE TYPICAL

GRADING NOTES

CRUSHED ROCK SURFACING.

- 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
- 2. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL ARRANGE FOR STAKING WITH A LICENSED SURVEYOR. STAKING WILL BE REVIEWED BY OWNER FOR CONFORMATION TO DESIGN PRIOR TO CONSTRUCTION.
- 3. ALL GRADES BETWEEN SPOT ELEVATIONS SHALL HAVE UNIFORM SLOPE UNLESS OTHERWISE INDICATED. MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING WALLS AND DOORS.
- 4. 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
- 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.
- 10. A GRADING PERMIT MUST BE OBTAINED PRIOR TO ANY GRADING ACTIVITIES

GENERAL EROSION CONTROL NOTES

- 1. 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 EXITS 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
- 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.
- 3. ALL EROSION CONTROL PERMITS MUST BE OBTAINED PRIOR TO ANY GRADING ACTIVITIES TAKING PLACE.

DEMOLITION NOTES

- 1. 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
- CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN, PRIOR TO CONSTRUCTION, OUTLINING ALL ITEMS TO BE REMOVED.
- 3. DEMOLISHED ITEMS SHALL BE REMOVED FROM THE SITE EXCEPT THOSE ITEMS IDENTIFIED AS "TO REMAIN", "SAVE AND PROTECT", OR "SALVAGE FOR OWNER".
- 4. 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.
- 5. DEMOLITION PERMIT MUST BE OBTAINED AND APPROPRIATE EROSION CONTROL MEASURES IN PLACE PRIOR TO ANY DEMOLITION ACTIVITIES TAKING PLACE.

GENERAL SITE NOTES

- 1. 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.
- 3. 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.
- 4. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH CITY INSPECTOR(S). CONTRACTOR SHALL NOTIFY CITY INSPECTOR(S) 48 HOURS PRIOR TO START OF CONSTRUCTION.
- 5. 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.
- 6. 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.
- 7. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF WEST LINN STANDARDS AND SPECIFICATIONS.

UTILITY NOTES

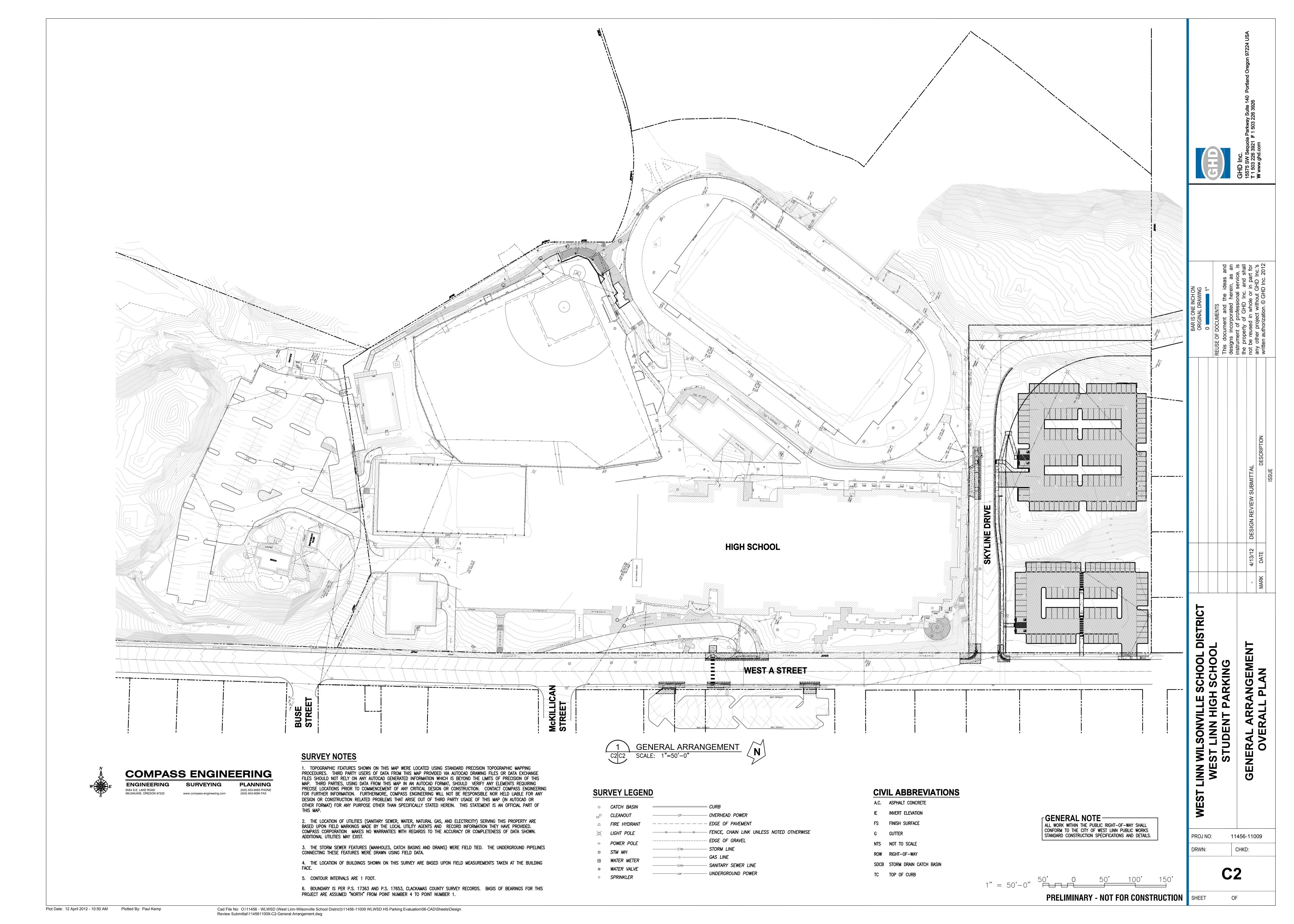
- 1. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD DRAWINGS AND INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR.
- 2. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION UNDER THIS SECTION OR ANY OTHER SECTION.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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.
- 8. DOWNSPOUT AND BUILDING UTILITY CONNECTIONS TO BE SHOWN ON BUILDING PLUMBING DRAWINGS. REFER TO PLUMBING DRAWINGS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
- 9. THRUST RESTRAINTS IS REQUIRED ON ALL PRESSURE LINE BENDS AND FITTINGS.
- 10. SEE LANDSCAPE DRAWINGS FOR IRRIGATION LINES.
- 11. ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
- 12. CONFIRM FIRE HYDRANT TYPE, NOZZLE SIZES, AND THREAD CONFIGURATIONS WITH LOCAL MUNICIPALITY HAVING JURISDICTION PRIOR TO CONSTRUCTION.
- 13. 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.

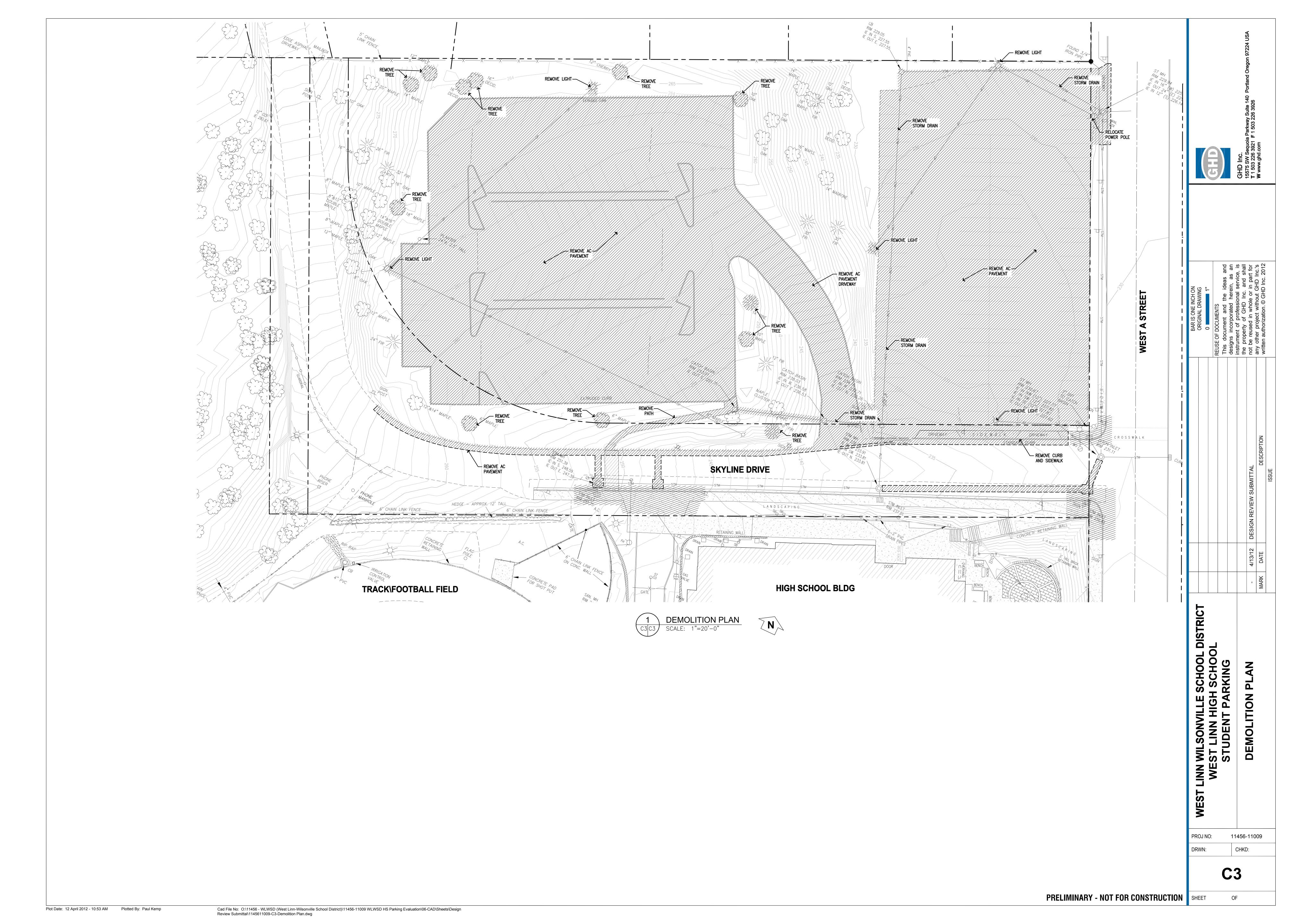
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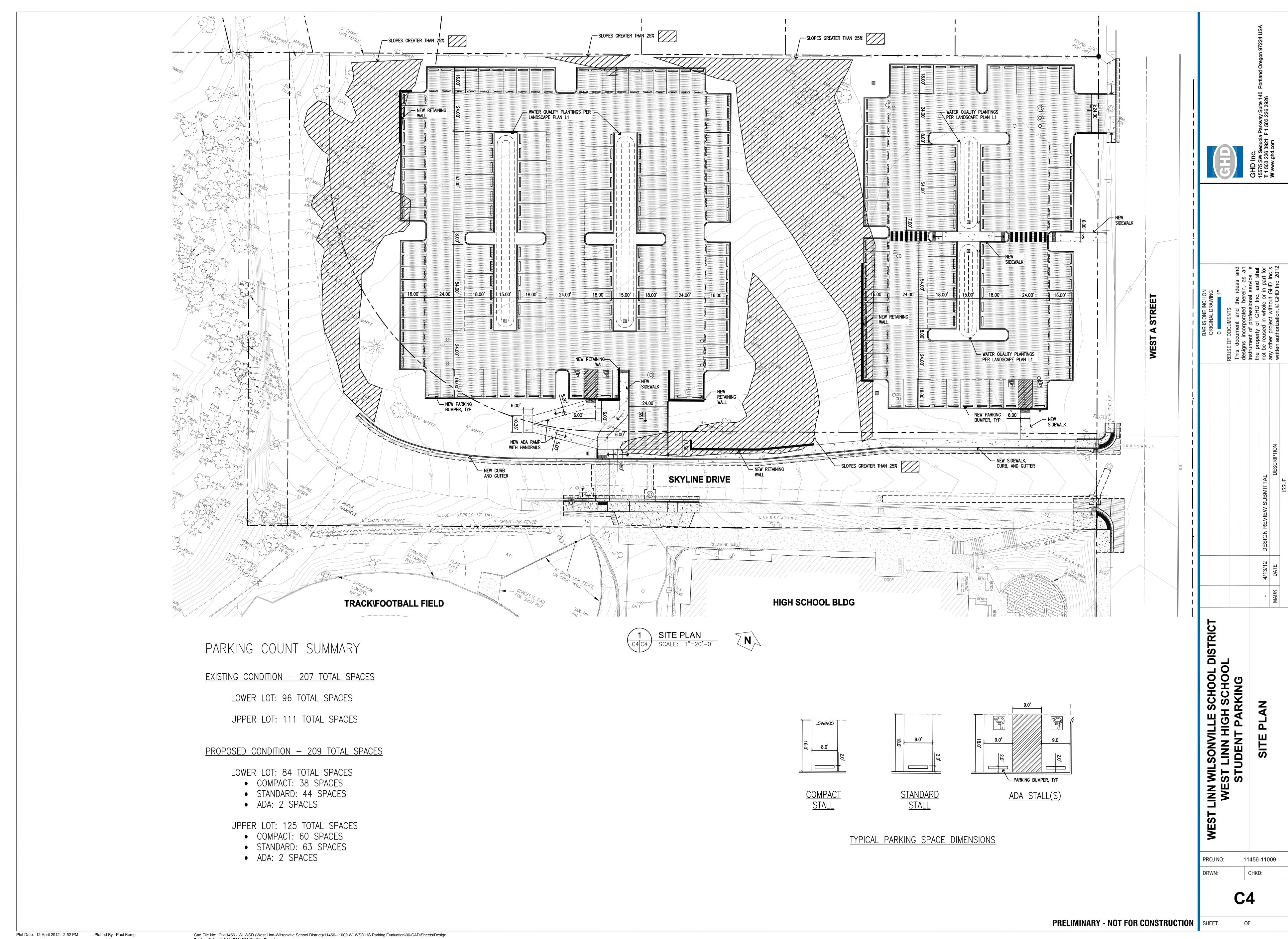
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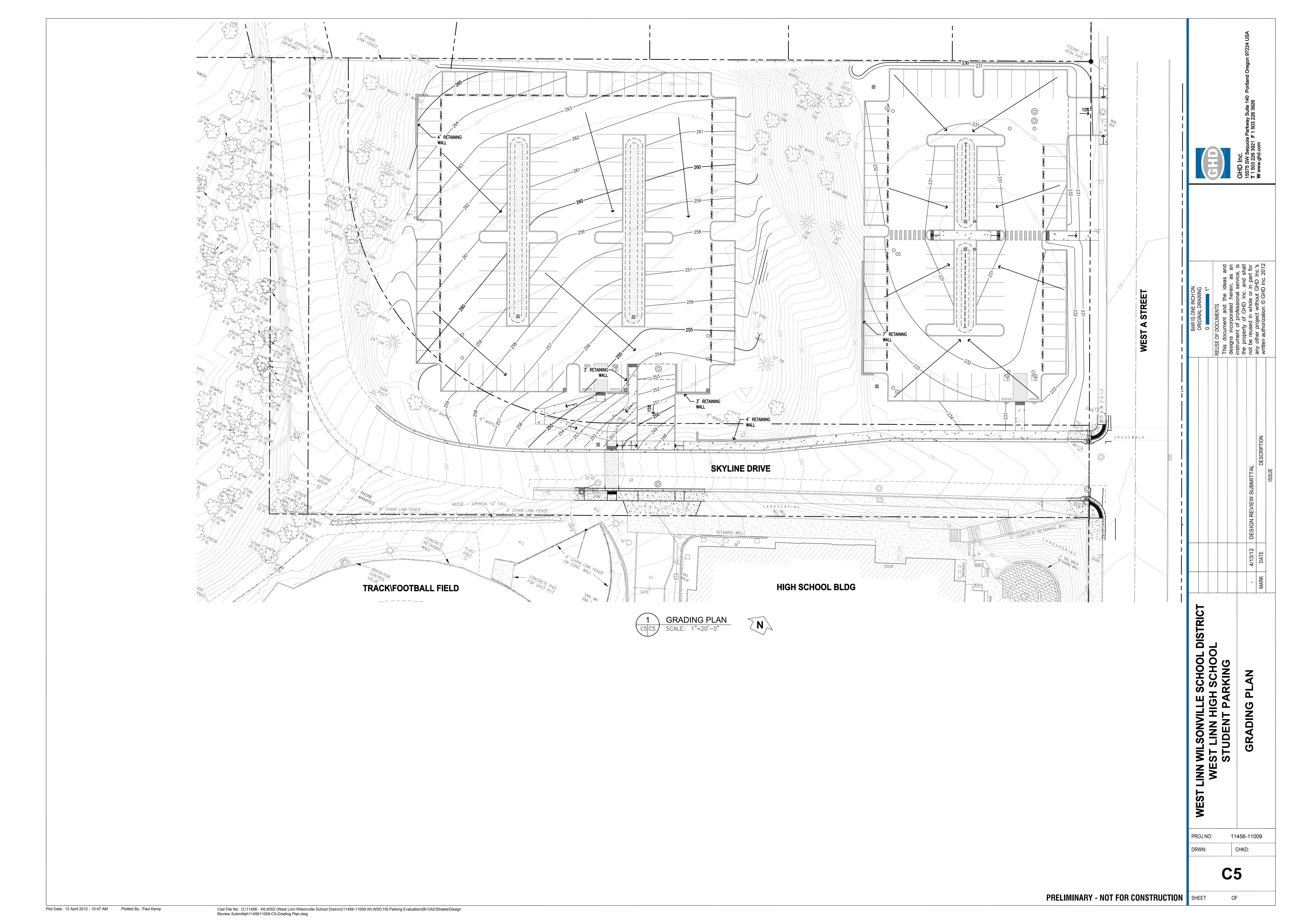
11456-11009 DRWN: PRK | CHKD: STS

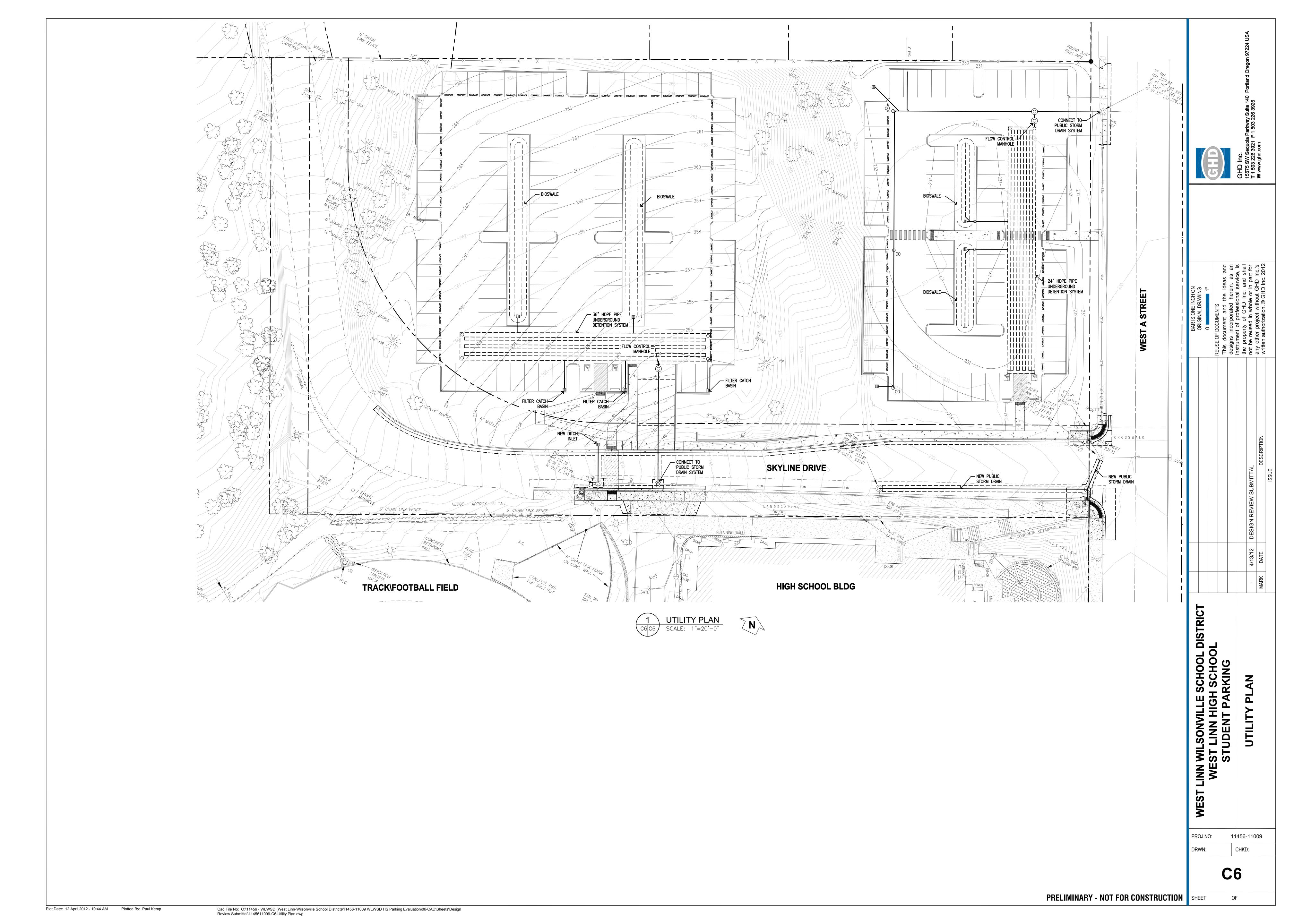
Plot Date: 12 April 2012 - 10:41 AM Plotted By: Paul Kemp











ABBREVIATIONS AFF KVA KILOVOLT AMP ABOVE FINISHED FLOOR AMPERE (AMP) KILOVOLT AMPS REACTIVE ALUMINUM LIGHTNING ARRESTOR ARCHITECT / ARCHITECTURAL LIGHTING ATS LOW VOLTAGE AUTOMATIC TRANSFER SWITCH CB CIRCUIT BREAKER MASTER ANTENNA TELEVISION MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER CKT MOTOR CONTROL CENTER CLG CEILING MAIN DISTRIBUTION PANEL MECHANICAL CU METAL HALIDE MAIN LUGS ONLY EMERG EMERGENCY MERCURY VAPOR MANUAL TRANSFER SWITCH ELECTRIC METALLIC TUBING EP EXPLOSION PROOF NOT IN CONTRACT EMERGENCY POWER OFF NIGHT LIGHT CIRCUIT ELECTRIC WATER COOLER PUBLIC ADDRESS PHOTO ELECTRIC CELL FLA FULL LOAD AMPS POWER FACTOR FLUOR FLUORESCENT PANELBOARD FCIC FURNISHED BY CONTRACTOR POLYVINYL CHLORIDE CONDUIT INSTALLED BY CONTRACTOR FOIC FURNISHED BY OWNER SUB-DISTRIBUTION PANEL STARTER INSTALLED BY CONTRACTOR FOIO FURNISHED BY OWNER SOLENOID VALVE **SWITCH** INSTALLED BY OWNER TIME DELAY GROUND FAULT PROTECTION GFI GROUND FAULT INTERRUPTER GFCI GROUND FAULT CIRCUIT INTERRUPTER TELEPHONE TERMINAL BOARD GRC GALVANIZED RIGID CONDUIT TELEPHONE TERMINAL CABINET GRD GROUND TELEVISION **TYPICAL** HORSEPOWER UNDERGROUND HIGH PRESSURE SODIUM UNINTERRUPTABLE POWER SUPPLY HIGH VOLTAGE HZ **VOLTAGE** ISOLATED GROUND **VOLT AMPERES** INCANDESCENT INC VAPOR PROOF WATTS JUNCTION BOX KW KILOWATT WEATHER PROOF KWH KILOWATT HOUR TRANSFORMER KV KILOVOLT XFSW TRANSFER SWITCH

DESIGNATION SYMBOLS (123)<u>---</u> EQUIPMENT DESIGNATOR SEE SCHEDULE. EXISTING TO REMAIN, EXISTING TO BE REMOVED EXISTING TO BE RELOCATED, FUTURE

NEW, CONNECT TO

 $\langle C \rangle$

 $\langle N \rangle$

LIGHTING CEILING LUMINAIRE: SURFACE, RECESSED CEILING LUMINAIRE: PENDANT MOUNTED CEILING LUMINAIRE: PENDANT LINEAR WALL LUMINAIRE: SURFACE, RECESSED 0-WALL WASHER: SURFACE, RECESSED \bigcirc \triangle \triangle TRACK WITH HEADS LOCATED FLUORESCENT LUMINAIRE: SURFACE, RECESSED 立 FLUORESCENT LUMINAIRE: WALL MOUNTED FLUORESCENT LUMINAIRE: BARE LAMP Ю— POLE LIGHT: LUMINAIRES AS SHOWN O◆O □◆□ ◆□ DESIGNATES LIGHT ON EMERGENCY CIRCUIT EXIT LIGHT: CEILING, WALL (ARROWS AS SHOWN) BOLLARD EMERGENCY BATTERY LIGHT: HEADS AS SHOWN WALL SWITCH: 1 POLE, 2 POLE WALL SWITCH: 3 WAY, 4 WAY WALL SWITCH: KEY LOCK, MOMENTARY WALL SWITCH: LOW VOLTAGE, PILOT WALL SWITCH: TIMER, MANUAL DIMMER DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE) DESIGNATES NIGHT LIGHT CIRCUIT PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED OCCUPANCY SENSOR: CEILING OR WALL MOUNTED "X" DESIGNATES DEVICE TYPE:

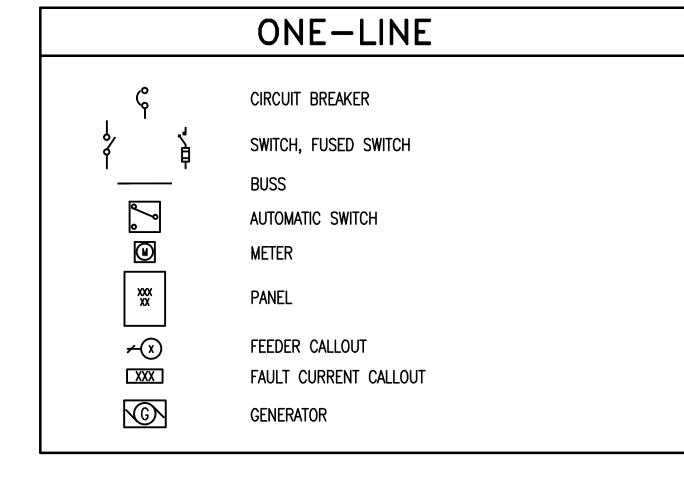
U: ULTRASONIC

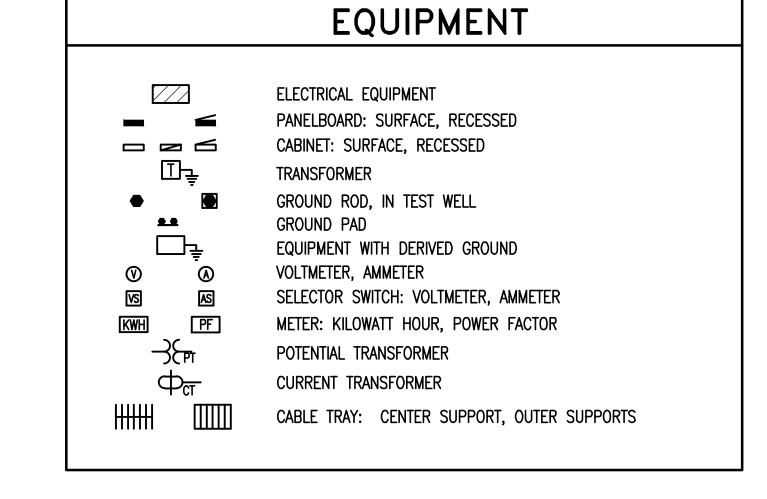
R: INFRARED

	POWER
ф ф ф ф	WALL RECEPTACLE: SINGLE, DUPLEX WALL RECEPTACLE: EMERGENCY, 4-PLEX
6	WALL RECEPTACLE: ISOLATED GROUND CEILING RECEPTACLE: DUPLEX
\bar{ba} ⊕ *	FIRE RATED FLOOR POKE—THRU CONNECTION TO EQUIPMENT PROVIDED BY OTHERS DENOTES RECEPTACLE ABOVE COUNTER
♥ ♥ +©	SPECIAL PURPOSE OUTLET AS NOTED, EMERGENCY CLOCK HANGER RECEPTACLE
	FLUSH IN-FLOOR OUTLET: DUPLEX, COMBINATION
₩	PEDESTAL OUTLET: POWER, SIGNAL, COMBINATION
	SURFACE OUTLET STRIP: DIMENSION AS SHOWN TELEPOWER POLE, POWER, COMBINATION JUNCTION BOX DISCONNECT SWITCH: FUSED, NON-FUSED
\$ _{ol} \(\S\) \(\sigma\) \(\text{R} \) \(\text{S} \)	MOTOR STARTER: MANUAL, MAGNETIC, COMBINATION MOTOR CONNECTION CONTACTOR, RELAY, SOLENOID
•	PUSH BUTTON STATION
	WIRING CONCEALED IN CEILING OR WALL
	WIRING CONCEALED IN FLOOR OR UNDERGROUND
	INDICATES INSULATED GREEN GROUND WIRE
	HOME RUN DESTINATION SHOWN
─	CONDUIT ELL: UP, DN.

S: IN COMBINATION WITH WALL SWITCH

UR: DUAL TECHNOLOGY, ULTRASONIC/INFRARED





NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY

APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

LUMINAIRE SCHEDULE

S1 POLE MOUNTED ARCHITECTURAL AREA LIGHT 250 WATT HPS, TYPE 3 DISTRIBUTION

S2 POLE MOUNTED ARCHITECTURAL AREA LIGHT 250 WATT HPS, TYPE 5 DISTRIBUTION

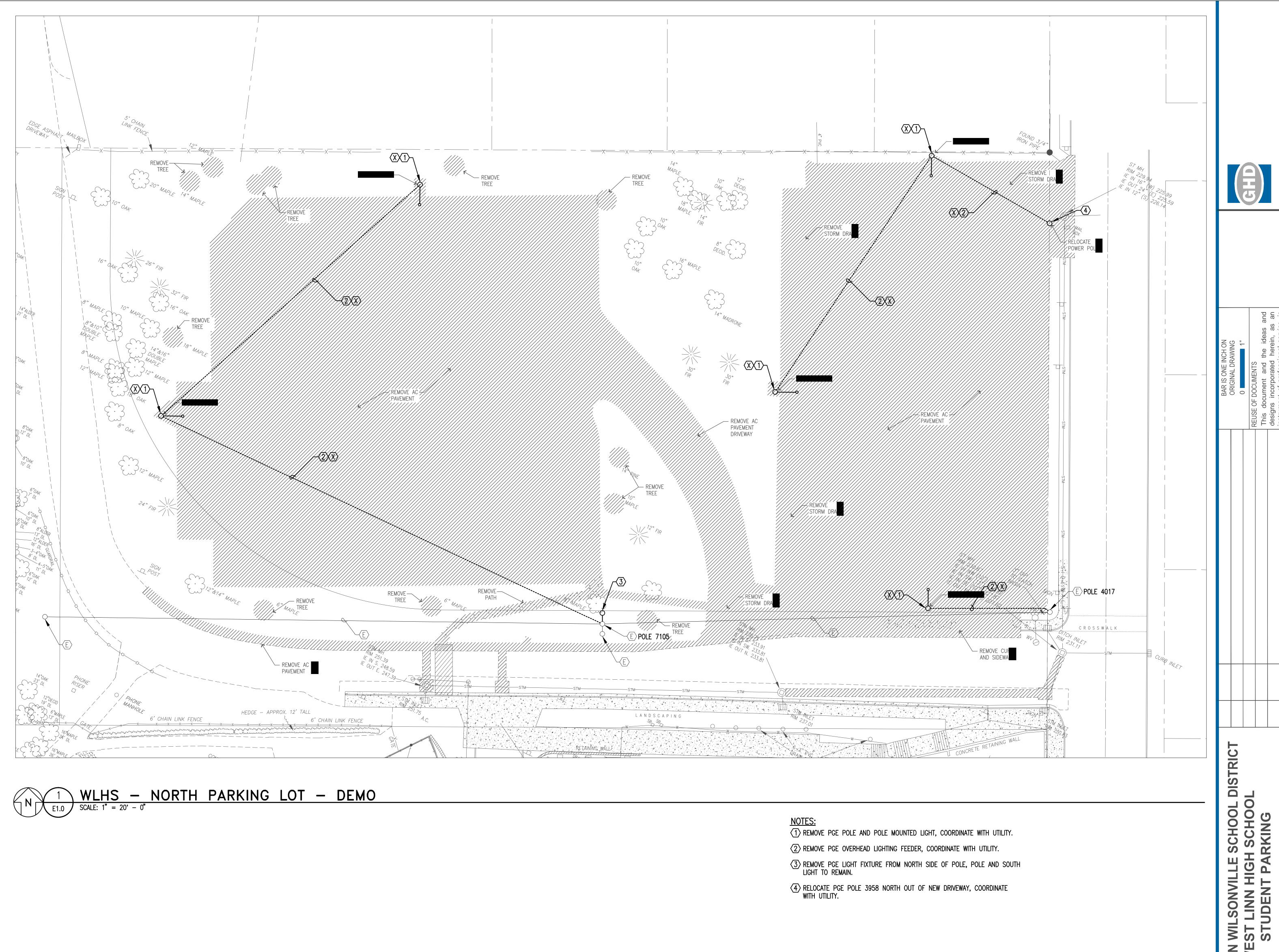
WILSONVILLE SCHOOL DISTRIC ST LINN HIGH SCHOOL STUDENT PARKING

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PAE CONSULTING ENGINEERS, INC. 808 SW Third Ave., Suite 300 | Portland, OR 97204 | P: 503-226-2921 425 California St., Suite 1200 | San Francisco, CA 94104 | P: 415-544-7500 Project No: 12-1198 www.pae-engineers.com

ZΨ

11456-11009 CHKD:



N SCALE: 1" = 20' - 0"

NOTES:

(1) REMOVE PGE POLE AND POLE MOUNTED LIGHT, COORDINATE WITH UTILITY.

(2) REMOVE PGE OVERHEAD LIGHTING FEEDER, COORDINATE WITH UTILITY.

(3) REMOVE PGE LIGHT FIXTURE FROM NORTH SIDE OF POLE, POLE AND SOUTH LIGHT TO REMAIN.

RELOCATE PGE POLE 3958 NORTH OUT OF NEW DRIVEWAY, COORDINATE WITH UTILITY.

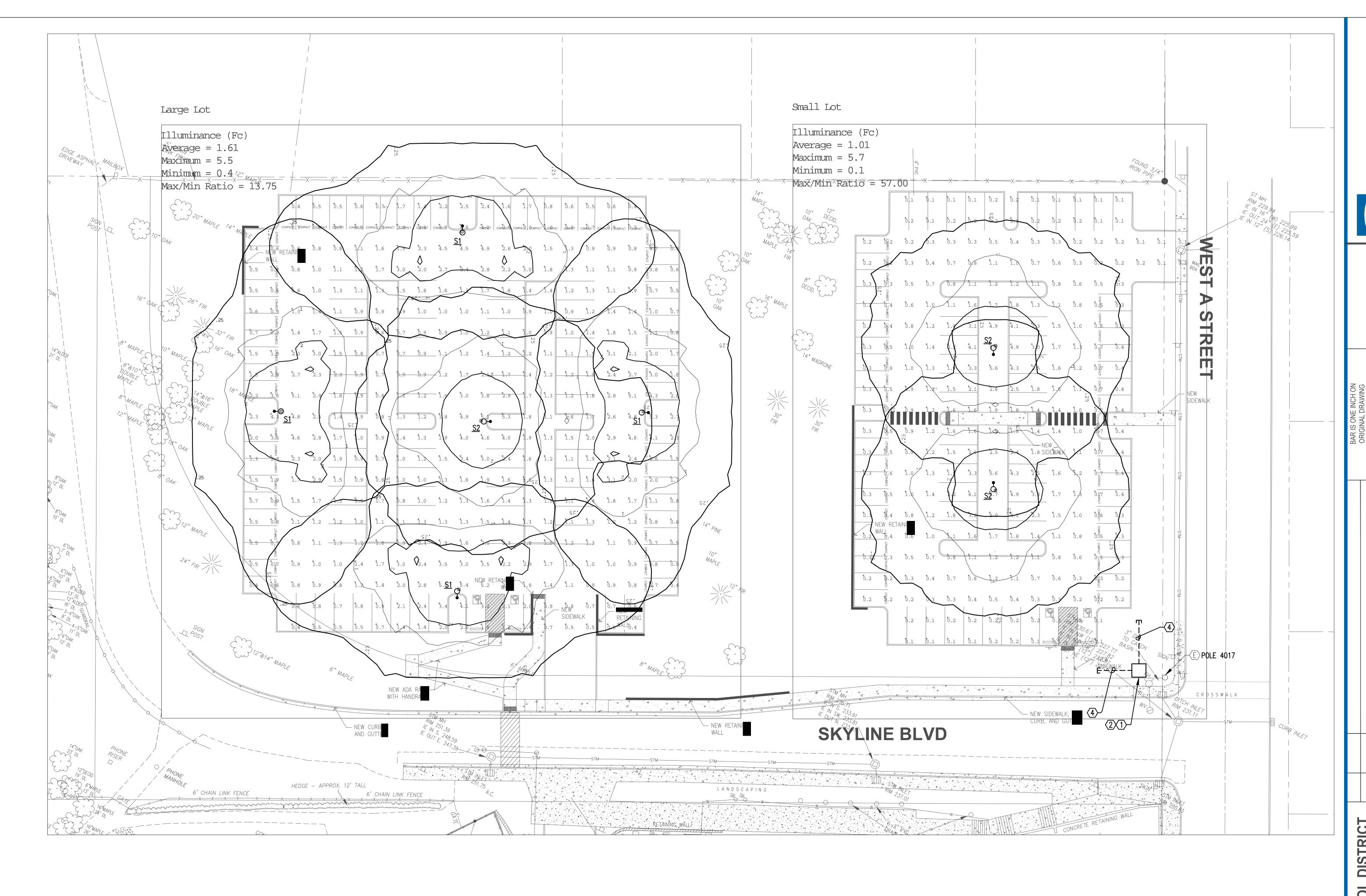


PRELIMINARY - NOT FOR CONSTRUCTION SHEET

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CHKD:

14:34 04/11//42/中央2012 中央2012 中央2012



NOTES

SERVICE ENCLOSURE WITH METERING MAIN AND LOAD CENTER. REFER TO DETAIL 2/E5.0

2 PROVIDE A CONCRETE MOUNTING PAD.

3 PGE SERVICE POLE, COORDINATE WITH UTILITY FOR CONNECTION.

PROVIDE TWO SPARE 1" UNDERGROUND CONDUITS FOR FUTURE USE. (FOUR TOTAL)



E2.0

11456-11009

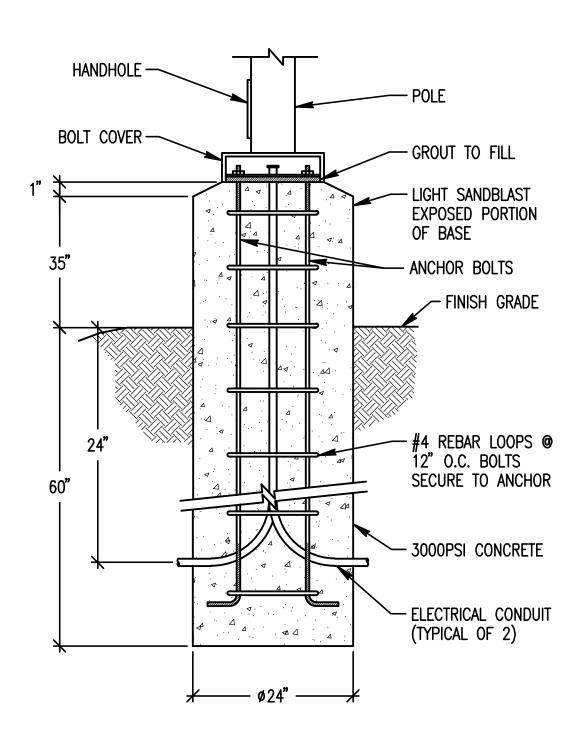
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SHEET OF

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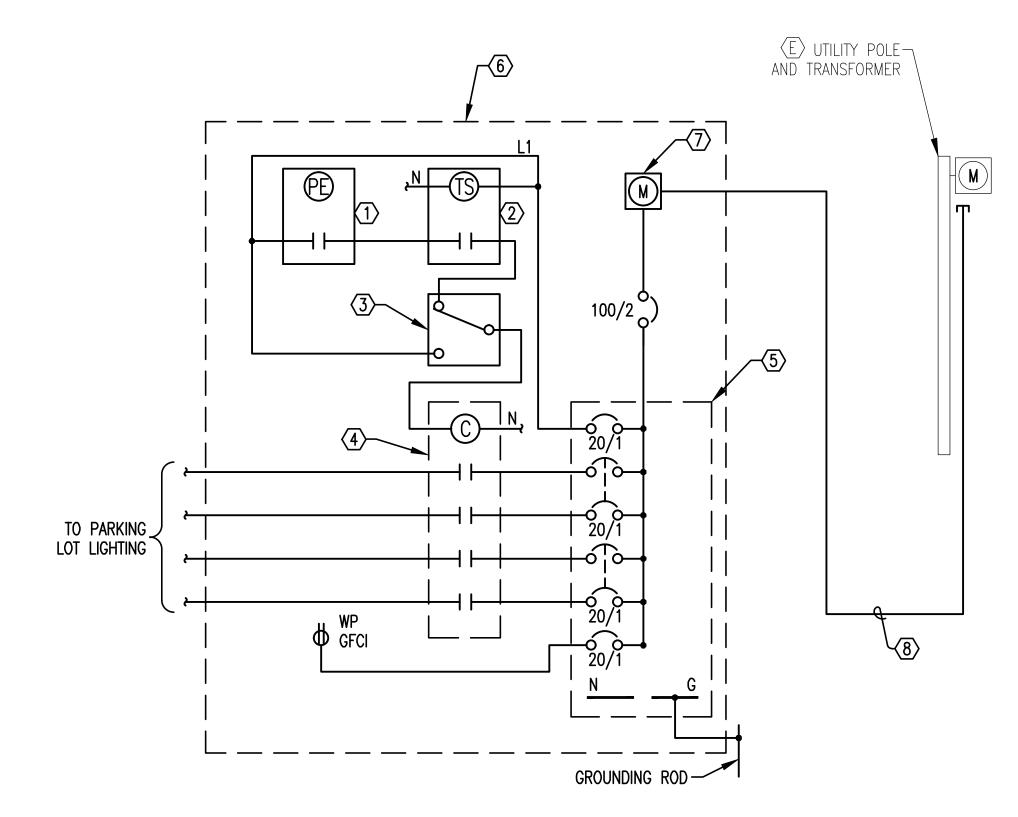
13:53 04/13/12 P:\2012\12-1198.00 - WLHS Parking Lot\01 Drawings\CAD\ 12-1198_E20.dwg x:Z-12-1198_TB,Z-12-1198_SITE,Z-PARKING LOT CALCS jeff.mutschler [DWG To PDF.pc3 AcroPlot Final PDF's.ctb 0.0,0.0] 2k7



NOTE: CONCRETE BASE / FOOTING DESIGN SHALL BE VERIFIED AND APPROVED BY A STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL POLE REQUIREMENTS WITH THE MANUFACTURER AND LOCAL AUTHORITY HAVING JURISDICTION AND SHALL MEET ALL APPLICABLE CODES.

EXTERIOR LIGHTING POLE BASE DETAIL

E5.0 SCALE: NONE



SERVICE PEDESTAL ONE-LINE 1 SERVIC 2 SCALE: NONE

PHOTO ELECTRIC CELL, 120VAC, SPDT CONTACTS WITH ADJUSTABLE LIGHT SENSOR.

2 PROGRAMMABLE ELECTRONIC TIMER WITH BATTERY BACKUP, 24 HOUR FORMAT, 120VAC.

3 SELECTOR SWITCH, ON-OFF-AUTO BYPASS.

(4) LIGHTING CONTACTOR, ELECTRICALLY HELD, 20 AMP CONTACTS, 120VAC COIL.

5 BUILT IN LOAD CENTER PANEL 100 AMP, 240/120VAC, 1 PHASE, 16 POLE.

6 WEATHER PROOF SERVICE ENCLOSURE WITH METERING MAIN AND LOAD CENTER, MILBANK CP3B ML SERIES, CIRCUE AW. 42 KAIC RATED OR APPROVED.

(7) METER SOCKET TO MEET UTILITY REQUIREMENTS LOCATED IN SEPARATE SEALABLE AND LOCKABLE UTILITY TERMINATION SECTION.

(8) UNDERGROUND CONDUIT FROM SERVICE POLE, SIZE PER UTILITY REQUIREMENTS.

N WILSONVILLE SCHOOL DISTRICT EST LINN HIGH SCHOOL STUDENT PARKING

11456-11009

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