RIVER ROAD ELEMENTARY SCHOOL - BUS LOOP
EUGENE, OR

GENERAL NOTES

1. AN EXISTING CONDITIONS SURVEY WAS NOT PROVIDED FOR THIS PROJECT. EXISTING CONDITIONS SHOWN ARE BASED ON PREVIOUS DESIGN PLANS FROM THE RIVER ROAD ELEMENTARY SCHOOL RECORD SET, DATED 4/25/2018. EXISTING CONDITIONS MAY NOT BE ACCURATE. CONTRACTOR TO VERIFY ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
2. CONSTRUCTION LAYOUT (ALL ACTUAL LINES AND GRADES) SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON DIMENSIONS AND ELEVATIONS, AS SHOWN, ON THE PLANS.
3. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
4. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
5. WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED – DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
6. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTS SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
7. CONTRACTOR TO REFERENCE SOILS REPORT BY FOUNDATION ENGINEERING, INC DATED APRIL 2, 2015 FOR THE SITE SOILS CONDITIONS.
8. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2017 OREGON PLUMBING SPECIALTY CODE AND REQUIREMENTS OF THE CITY OF EUGENE.
9. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
10. ATTENTION: 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 THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232–1987). EXCAVATORS MUST NOTIFY ALL PERTINENT COMPANIES OR AGENCIES WITH UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS–DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO COMMENCING AN EXCAVATION, SO UTILITIES MAY BE ACCURATELY LOCATED.
11. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ELEVATIONS, PIPE SIZE, AND MATERIAL TYPES OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF KPFF CONSULTING ENGINEERS, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
12. THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
13. TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO CITY OF CITY OF EUGENE FOR MINIMUM EROSION CONTROL MEASURES. THE ESC FACILITIES SHOWN IN THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
14. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
15. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO THE CITY OF EUGENE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
16. CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO BUILDING AT ALL TIMES DURING CONSTRUCTION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE OWNER.
18. NOTIFY CITY OF EUGENE INSPECTOR 72 HOURS BEFORE STARTING WORK. A PRE–CONSTRUCTION MEETING WITH THE OWNER, THE OWNER'S ENGINEER, CONTRACTOR AND THE CITY OF EUGENE REPRESENTATIVE SHALL BE REQUIRED.

CONSTRUCTION NOTES

GENERAL

1. ACTUAL LINES AND GRADES SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON DIMENSIONS, ELEVATIONS AND BEARINGS AS SHOWN ON THE PLANS.
2. SUBGRADE AND TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D–698. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER IS NOT PERMITTED.
3. SPECIAL INSPECTION REQUIRED FOR ALL COMPACTION TESTING.

DEMOLITION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA IDENTIFIED IN THE PLANS.
2. EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY, CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF PROPERLY.
3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND DELIVERED STORED AT THE PROJECT SITE AS DIRECTED BY THE OWNER.
4. ALL LANDSCAPING, PAVEMENT, CURBS AND SIDEWALKS, BEYOND THE IDENTIFIED SITE AREA, DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION OR BETTER.
5. CONCRETE SIDEWALKS SHOWN FOR DEMOLITION SHALL BE REMOVED TO THE NEAREST EXISTING CONSTRUCTION JOINT.
6. SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT.

UTILITIES

1. ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC. TO FINISHED GRADE.
2. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
4. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO ENGINEER AND OWNER.
5. ALL WORK TO CONFORM TO THE 2014 OREGON PLUMBING SPECIALTY CODE

STORM

1. CONNECTIONS TO EXISTING STORM SHALL CONFORM TO THE 2015 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 00490, "WORK ON EXISTING SEWERS AND STRUCTURES".
2. BEGIN LAYING STORM DRAIN PIPE AT THE LOW POINT OF THE SYSTEM, TRUE TO GRADE AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. THE CONTRACTOR SHALL ESTABLISH LINE AND GRADE FOR THE STORM AND SANITARY SEWER PIPE USING A LASER.
3. ACTUAL LINES AND GRADES SHALL BE STAKED BY A QUALIFIED SURVEYOR, BASED ON COORDINATES, DIMENSIONS AND BEARINGS INDICATED ON THE PLANS. CONTRACTOR SHALL RETAIN A SURVEYOR LICENSED IN THE STATE OF OREGON.
4. ALL CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.
5. ALL HORIZONTAL CONNECTIONS TO THE STORM SEWERS SHALL BE OF THE 'WYE' BRANCH TYPE.

EARTHWORKS

1. CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE SYSTEM.
2. TRENCH BEDDING AND BACKFILL SHALL BE AS SHOWN ON THE PIPE BEDDING AND BACKFILL DETAIL, THE PROJECT SPECIFICATIONS AND AS REQUIRED IN THE SOILS REPORT. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER WILL NOT BE PERMITTED.

SEPARATION STATEMENT

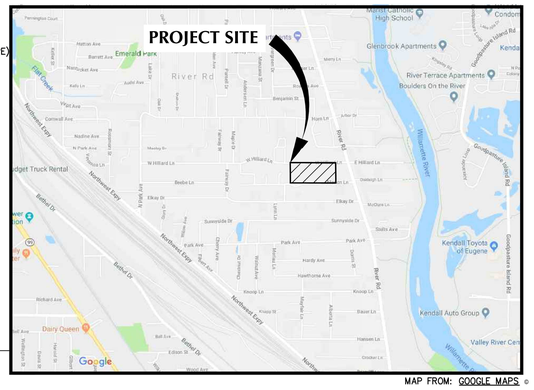
ALL WATER MAIN CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT, CHAPTER 333. WATER MAINS SHALL CROSS OVER SANITARY SEWERS WITH A 18" MINIMUM CLEARANCE BETWEEN OUTSIDE DIAMETERS OF PIPE WITH ALL PIPE JOINTS EQUIDISTANT FROM CROSSING. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWERS IN PARALLEL INSTALLATIONS SHALL BE 10'. MAINTAIN 12" MINIMUM VERTICAL DISTANCE FOR ALL OTHER UTILITY CROSSINGS AND 12" HORIZONTAL PARALLEL DISTANCE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM 10' HORIZONTAL SEPARATION, THE WATER MAIN SHALL BE LAID ON A SEPARATE SHELF IN THE TRENCH 18" INCHES ABOVE THE SEWER.

MATERIAL NOTES

1. GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM ENGINEER PRIOR TO INSTALLATION.
2. STORM PIPING SHALL BE PVC PIPE, DUCTILE IRON PIPE, OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
3. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.

ABBREVIATIONS

AC	ASPHALT CONCRETE	P/L	PROPERTY LINE
B	BOLLARD	PC	POINT OF CURVATURE
BLDG	BUILDING	PCC	POINT OF COMPOUND CURVATURE
BOW	BACK OF WALK	PCR	POINT OF CURB RETURN
CB	CATCH BASIN	PED	PEDESTRIAN
CL	CENTERLINE	POC	POINT ON CURVE
CO	CLEANOUT	PRC	POINT OF REVERSE CURVATURE
CONC.	CONCRETE	PT	POINT OF TANGENT
COTG	CLEANOUT TO GRADE	PVC	POLYVINYL CHLORIDE
CP	CONTROL POINT	PVMT	PAVEMENT
Δ	DELTA	R	RIM
D/W	DRIVEWAY	RD	ROOF DRAIN
DIA.,Ø	DIAMETER	R.O.W	RIGHT–OF–WAY
DIP	DUCTILE IRON PIPE	S	SLOPE (FT/FT)
E	EASTING	SD	STORM DRAIN
EXIST./EX	EXISTING	SDMH	STORM DRAIN MANHOLE
FF	FINISH FLOOR ELEVATION	ST	STREET
FG	FINISH GRADE	S/W	SIDEWALK
FH	FIRE HYDRANT	TC	TOP OF CURB
G	GUTTER	TD	TRENCH DRAIN
GB	GRADE BREAK	TG	TOP OF GROUND
IE	INVERT ELEVATION	TP	TOP OF PAVEMENT
INV	INVERT	TYP	TYPICAL
IRR.	IRRIGATION	W	WATER
MH	MANHOLE	W/	WITH
MIN	MINIMUM		
N	NORTHING		
OF	OUTFALL		



MAP FROM: GOOGLE MAPS ©

VICINITY MAP

SCALE: NTS

PROJECT CONTACTS

OWNER:
EUGENE SCHOOL DISTRICT 4J
200 N MONROE ST
EUGENE, OR 97402
TEL: 541–790–7700
CONTACT: DEXTER RUMMEL

CIVIL ENGINEER:
KPFF CONSULTING ENGINEERS
1201 OAK STREET, SUITE 100
EUGENE, OREGON 97402
TEL: 541–684–4902
CONTACT: MARK REYES

ARCHITECT:
PIVOT ARCHITECTURE
44 WEST BROADWAY, SUITE 300
EUGENE, OR 97401
TEL: 541–342–7291
CONTACT: JOHN STAPLETON

LANDSCAPE ARCHITECT:
CAMERON McCARTHY
160 EAST BROADWAY,
EUGENE, OR 97401
TEL: 541–485–7385
CONTACT: MARINA WRENSCH

NOTICE TO EXCAVATORS:
ATTENTION: 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 THE RULES BY CALLING THE CENTER.
(NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)–232–1987).

POTENTIAL UNDERGROUND FACILITY OWNERS

Dig Safely.
Call the Oregon One-Call Center
1-800-332-2344

EMERGENCY TELEPHONE NUMBERS

NW NATURAL GAS	
M–F 7am–6pm	503–226–4211 Ext.4313
AFTER HOURS	503–226–4211
PGE	503–464–7777
CENTURYLINK	1–800–573–1311
CITY BUREAU OF MAINTENANCE	503–823–1700
CITY WATER	503–823–4874
VERIZON	1–800–483–1000

CIVIL SHEET INDEX

PIVOT ARCHITECTURE

REGISTERED PROFESSIONAL ENGINEER 56481 DIGITALLY SIGNED OREGON JUL. 19, 2019 MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/2019

kpff
1201 Oak Street, Suite 100
Eugene, OR 97401
P: 541.684.4902
www.kpff.com

100% CONSTRUCTION DOCUMENT SET - BUS LOOP

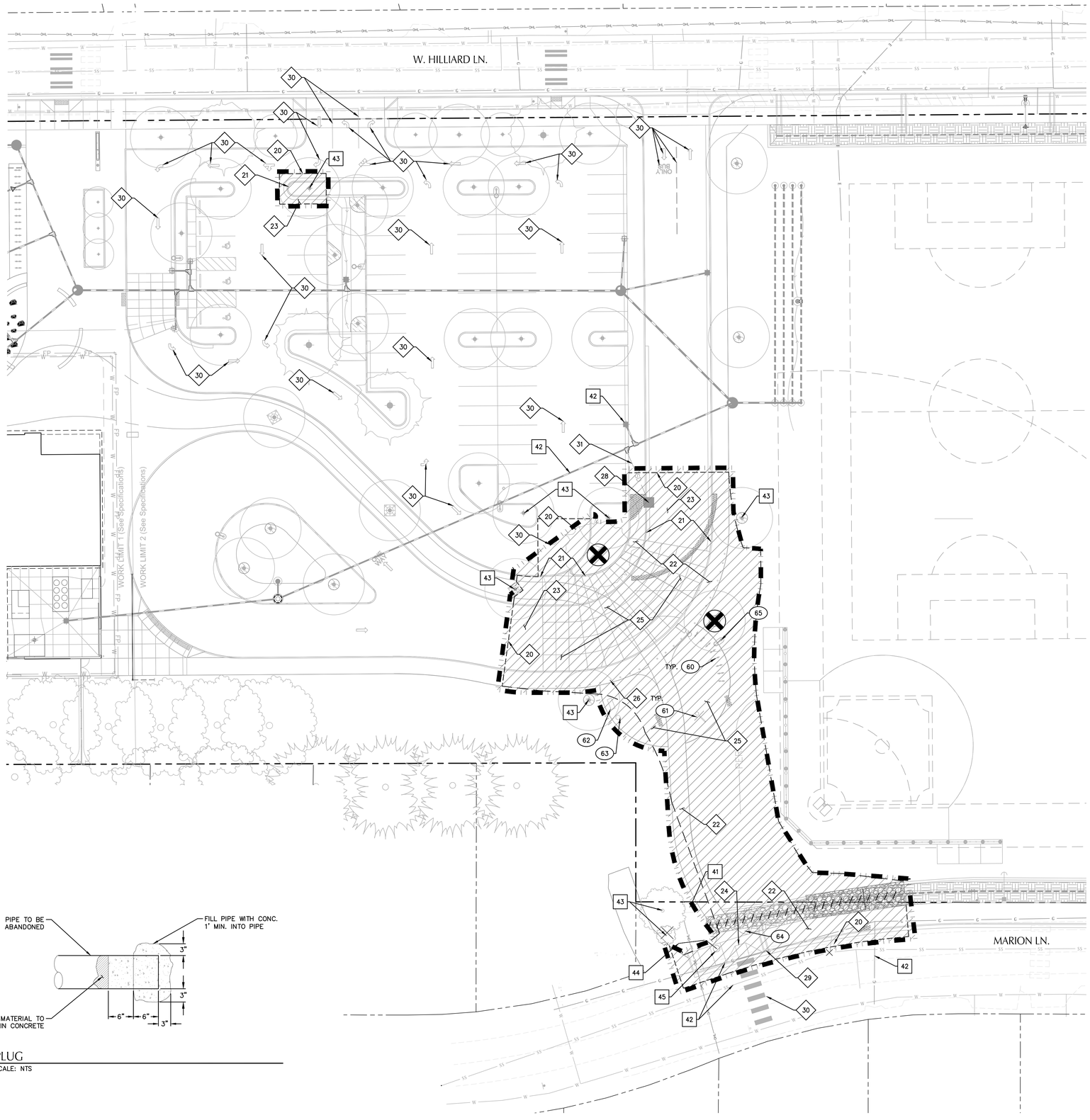
EUGENE SCHOOL DISTRICT 4J
120 WEST HILLYARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

CIVIL NOTES & ABBREVIATIONS

PROJECT #	1337.00
ISSUE DATE:	6.15.18
REVISIONS:	

C1.0



1 PLUG
SCALE: NTS

SHEET NOTES

1. CONTRACTOR SHALL FOLLOW ALL DEMOLITION NOTES ON SHEET C1.0.
2. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
3. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
4. GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
5. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
6. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
7. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
8. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
9. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.
10. ALL EXPOSED PORTIONS OF UNDERGROUND UTILITIES TO BE ABANDONED SHALL BE PLUGGED PER DETAIL 1/C1.1.

(X) DEMOLITION KEY NOTES

20 SAWCUT LINE
21 REMOVE CONCRETE CURB.
22 REMOVE CONCRETE SIDEWALK
23 REMOVE ASPHALT PAVEMENT AND CRUSHED ROCK SUBGRADE.
24 REMOVE CONCRETE ADA RAMP.
25 REMOVE CONCRETE PAVEMENT.
26 REMOVE BOLLARD.
27 REMOVE EXISTING UNDERGROUND ELECTRICAL SERVICE.
28 REMOVE, SALVAGE AND RELOCATE CATCH BASIN
29 REMOVE DRAINAGE CHANNEL AND GRATE
30 REMOVE EXISTING STRIPING/MARKINGS (SANDBLAST)
31 STORM LATERAL TO BE ABANDONED. PLUG PER DETAIL THIS SHEET.

[X] PROTECTION KEY NOTES

40 PROTECT CURB AND SIDEWALK.
41 PROTECT VAULT AND CONDUIT.
42 PROTECT UNDERGROUND UTILITIES.
43 PROTECT TREE.
44 PROTECT CATCH BASIN.
45 PROTECT DRY WELL
46 PROTECT DRIVEWAY

(X) SALVAGE KEY NOTES

60 SALVAGE BIKE RACK AND INSTALL IN LOCATION AS SHOWN IN PAVING PLAN.
61 SALVAGE BASKETBALL HOOP AND INSTALL IN LOCATION AS SHOWN IN PAVING PLAN.
62 SALVAGE BENCH AND INSTALL IN LOCATION AS SHOWN IN PAVING PLAN.
63 SALVAGE TRASH CAN AND INSTALL IN LOCATION AS SHOWN IN PAVING PLAN.
64 SALVAGE AND RELOCATE STREET CROSSING SIGN PER PAVING PLAN.
65 SALVAGE LIGHT AND INSTALL IN LOCATION AS SHOWN IN PAVING PLAN.

SHEET LEGEND

PROPERTY LINE
DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY). EXISTING PAVEMENT, FENCES, CATCH BASINS, WALLS, LANDSCAPING, STRUCTURES, UTILITIES AND SURFACE FEATURES TO BE REMOVED U.N.O.
SAWCUT LINE
REMOVE UTILITY LINE
REMOVE TREE

SCALE 1 INCH = 20 FEET
20 0 20 40

PIVOT ARCHITECTURE
1201 Oak Street, Suite 100
Eugene, OR 97401
P: 541.684.4969
www.pivot.com

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REGISTERED PROFESSIONAL ENGINEER
56481
DIGITALLY SIGNED
OREGON
JULY 19, 2005
MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/2019

100% CONSTRUCTION DOCUMENT SET - BUS LOOP

4J EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

SITE DEMOLITION PLAN

PROJECT #	1337.00	REVISIONS
ISSUE DATE:	6.15.18	

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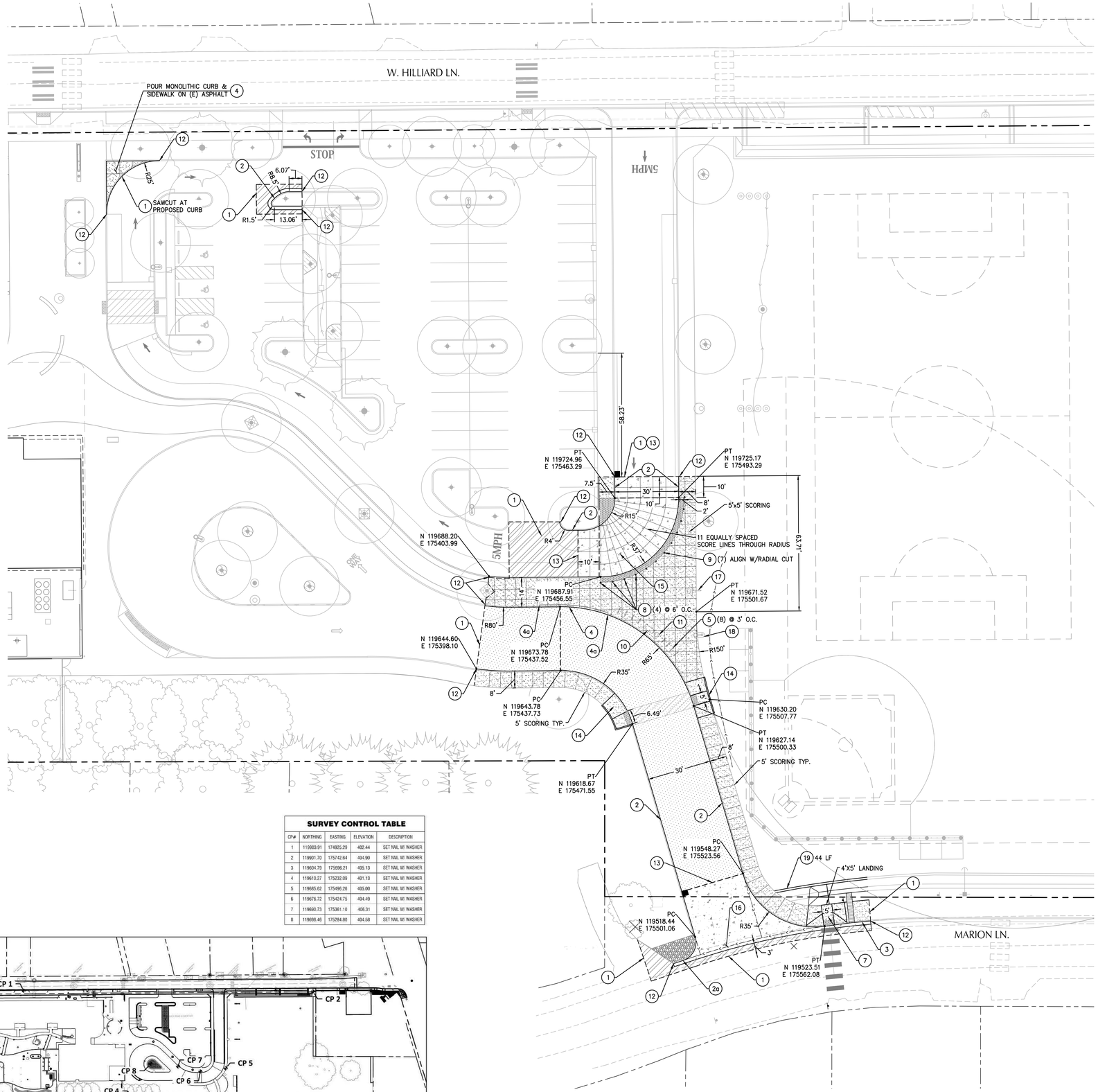

SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF WALL.
2. ALL SIDEWALK PAVEMENT JOINTS SHALL BE CONSTRUCTED PER DETAIL 12/C6.0.
3. PROPOSED FRONTAGE IMPROVEMENTS IN RIGHT-OF-WAY SHOWN FOR REFERENCE ONLY. TO BE PERMITTED UNDER SEPARATE PUBLIC WORKS PERMIT.
4. SITE CONTROL IS BASED ON PREVIOUS SURVEY PERFORMED BY BHE GROUP DATED JANUARY 5, 2016. SEE CONTROL POINT MAP AND TABLE ON THIS SHEET FOR SITE CONTROL.

(X) KEY NOTES

#	DESCRIPTION	DETAIL REF.
1	SAWCUT LINE AND MATCH EXISTING	
2	STANDARD CURB	5/C6.0
2a	FLUSH CURB	5/C6.0
3	CURB AND GUTTER	11/C6.0
4	MOUNTABLE CURB	6/C6.0
4a	CHANGE FROM STANDARD CURB TO MOUNTABLE CURB	
5	BIKE RACK. RELOCATE SALVAGED BIKE RACK. LOCATE 4' FROM FACE OF CURB.	
6	DETECTABLE WARNING	10/C6.0
7	CURB RAMP – TYPE 1	8/C6.0
8	REMOVABLE BOLLARD	14/C6.0
9	STATIONARY BOLLARD. REFER TO SHEET X OF ORIGINAL PLAN SET.	
10	BENCH. RE-INSTALL SALVAGED BENCH 3.5' FROM FACE OF CURB.	
11	TRASH CAN. RE-INSTALL SALVAGED TRASH CAN. ALIGN WITH BIKE RACKS.	
12	MATCH EXISTING	
13	TRANSITION ASPHALT TO CONCRETE	4/C6.0
14	CURB RAMP – TYPE 2	9/C6.0
15	RAISED PEDESTRIAN CROSSING. CROSSING AND RAMP TO BE DYED RED.	
16	VALLEY GUTTER	17/C6.0
17	BASKETBALL HOOP. RE-INSTALL SALVAGED BASKETBALL HOOP 2' FROM EDGE OF NEW SIDEWALK.	
18	LIGHT. RE-INSTALL SALVAGED LIGHT	
19	CONCRETE MOW BAND.	18/C6.0

SHEET LEGEND

- PROPERTY LINE
- CURB AND SIDEWALK — 7/C6.0
- LIGHT ASPHALT PAVEMENT SECTION — 1/C6.0
- HEAVY ASPHALT PAVEMENT SECTION — 2/C6.0
- CONCRETE PAVEMENT SECTION — 3/C6.0
- CRUSHED ROCK BASE
- DETECTABLE WARNING SURFACE — 10/C6.0

SURVEY CONTROL TABLE

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	119903.91	174925.29	402.44	SET NAIL W/ WASHER
2	119901.70	175742.64	404.90	SET NAIL W/ WASHER
3	119604.79	175696.21	405.13	SET NAIL W/ WASHER
4	119610.27	175232.09	401.13	SET NAIL W/ WASHER
5	119685.62	175496.26	405.00	SET NAIL W/ WASHER
6	119676.72	175424.75	404.49	SET NAIL W/ WASHER
7	119690.73	175361.10	406.31	SET NAIL W/ WASHER
8	119698.46	175284.80	404.58	SET NAIL W/ WASHER

1 CONTROL POINT MAP AND TABLE
Scale: 1"= 120'

SCALE 1 INCH = 20 FEET
20 0 20 40

PIVOT ARCHITECTURE
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100% CONSTRUCTION DOCUMENT SET - BUS LOOP

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RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

HORIZONTAL CONTROL & PAVING PLAN

PROJECT #	1317.00
ISSUE DATE:	6.15.18
REVISIONS	

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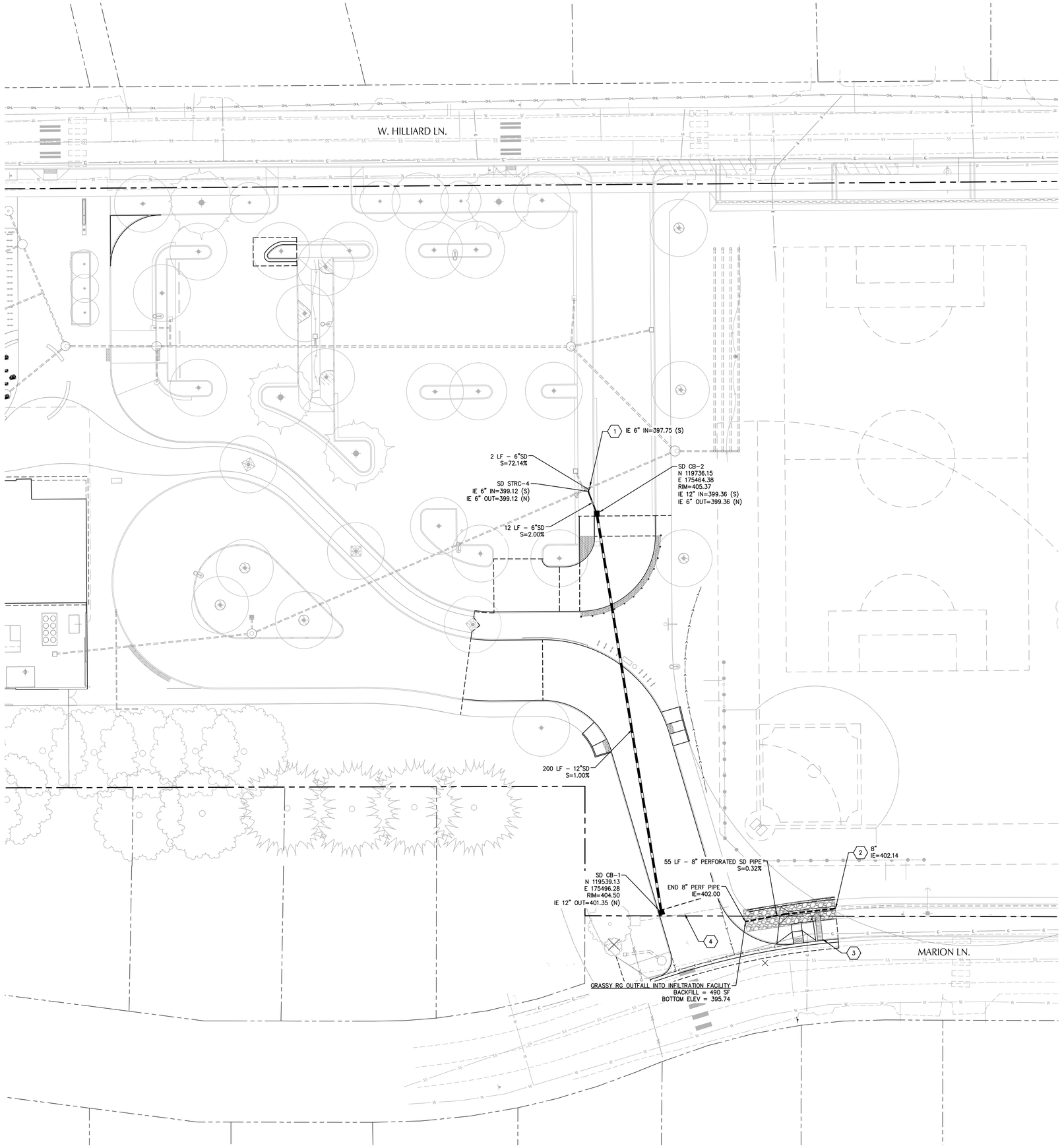


SHEET NOTES

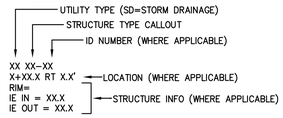
1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 1/C6.1.
2. NORTHING AND EASTING SHOWN ON STRUCTURES ARE SHOWN AT FACE OF CURB AND CENTER OF STRUCTURE.

(X) UTILITY KEY NOTES

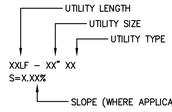
NOTE	DESCRIPTION	DETAIL REF.
1	CONNECT TO EXISTING 6" STORM DRAIN. POTHOLE PRIOR TO CONSTRUCTION TO VERIFY EXACT ELEVATION AND LOCATION OF PIPE.	
2	CONNECT TO EXISTING 8" PERF STORM DRAIN PIPE. POTHOLE PRIOR TO CONSTRUCTION TO VERIFY EXACT ELEVATION AND LOCATION OF PIPE.	
3	CONSTRUCT CHANNEL AND GRATE. SEE GRADING SHEET C4.0 FOR GRADES.	3/C6.1
4	UTILITY LOCATION IS UNKNOWN. POTHOLE PRIOR TO CONSTRUCTION AND REPORT LOCATION AND ELEVATION TO KPFF.	

UTILITY LABEL LEGEND

STRUCTURE LABEL



PIPE LABEL



STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	3/C6.1
RG	GRASSY RAIN GARDEN.	4/C6.1

SCALE 1 INCH = 20 FEET
20 0 20 40

PIVOT ARCHITECTURE

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OREGON
JULY 19, 2005
MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/2019

1201 Oak Street, Suite 100
Eugene, OR 97401
T: 541.686.4900
www.kpff.com

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100% CONSTRUCTION DOCUMENT SET - BUS LOOP

EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

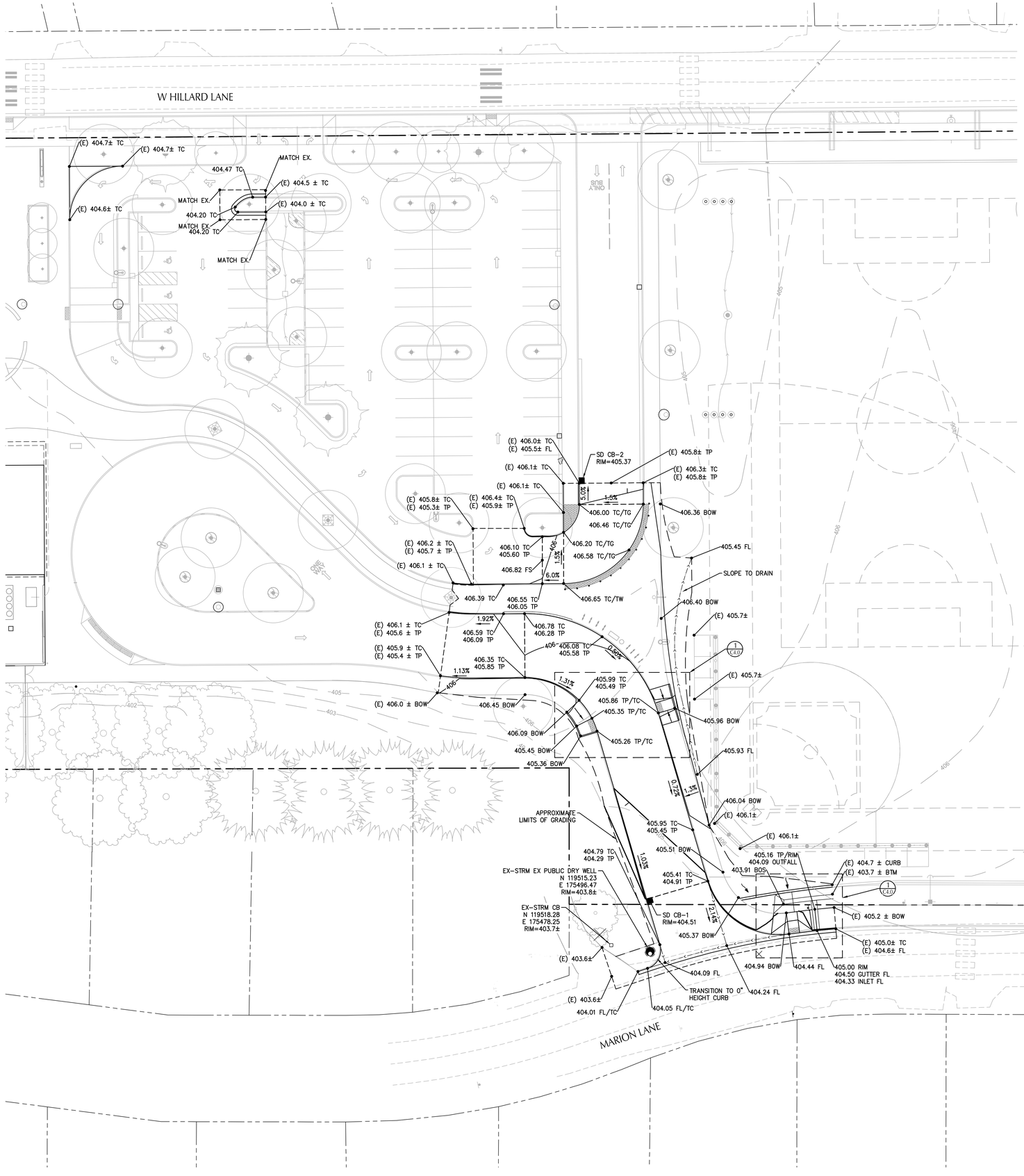
RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

UTILITY PLAN

PROJECT #:	1337.00	REVISIONS:
ISSUE DATE:	6.15.18	

C3.0

PRINTED ON: 6/3/2015 5:17:15 PM FROM FILE: C:\Pivot_Architecture\Revit_2015\1337_RRES_Arch_Bldg_15_bob.rvt

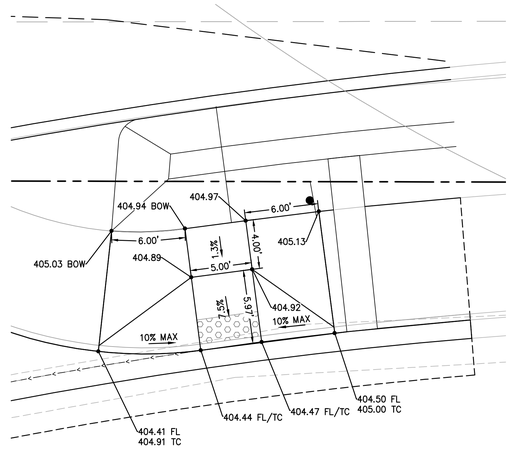


SHEET NOTES

1. SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
2. LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% IN ANY DIRECTION.
3. ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).

(X) KEY NOTES

NOTE	DESCRIPTION	DETAIL REF.



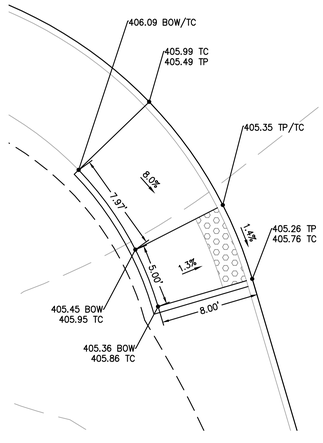
1 RAMP DETAIL
SCALE: 1" = 5'

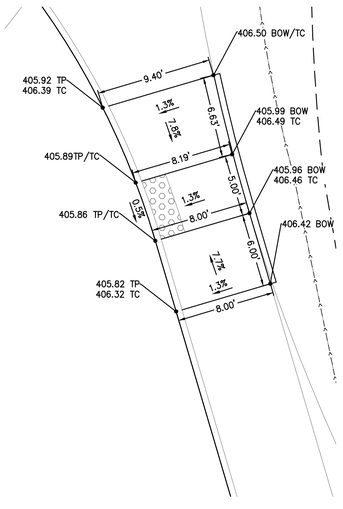
GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
	SPOT ELEVATION
	DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
XX.XX XX	
(E)	EXISTING
BOW	BACK OF WALK
BTM	BOTTOM OF RAINGARDEN
EG	EXISTING GRADE
FL	FLOW LINE
G	GUTTER
RIM	RIM OF STRUCTURE
TC	TOP OF CURB
TP	TOP OF PAVEMENT
(XXX.X±)	EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

- GRADE BREAK
- 49 EX. CONTOUR MINOR
- 50 EX. CONTOUR MAJOR
- CONVEYANCE SWALE
- FLOW DIRECTION





2 RAMP DETAIL
SCALE: 1" = 5'

SCALE 1 INCH = 20 FEET
20 0 20 40

PIVOT ARCHITECTURE

REGISTERED PROFESSIONAL ENGINEER 56481 DIGITALLY SIGNED OREGON JULY 19, 2005 MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/2019

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4J EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

GRADING PLAN

PROJECT #	1337.00	REVISIONS:
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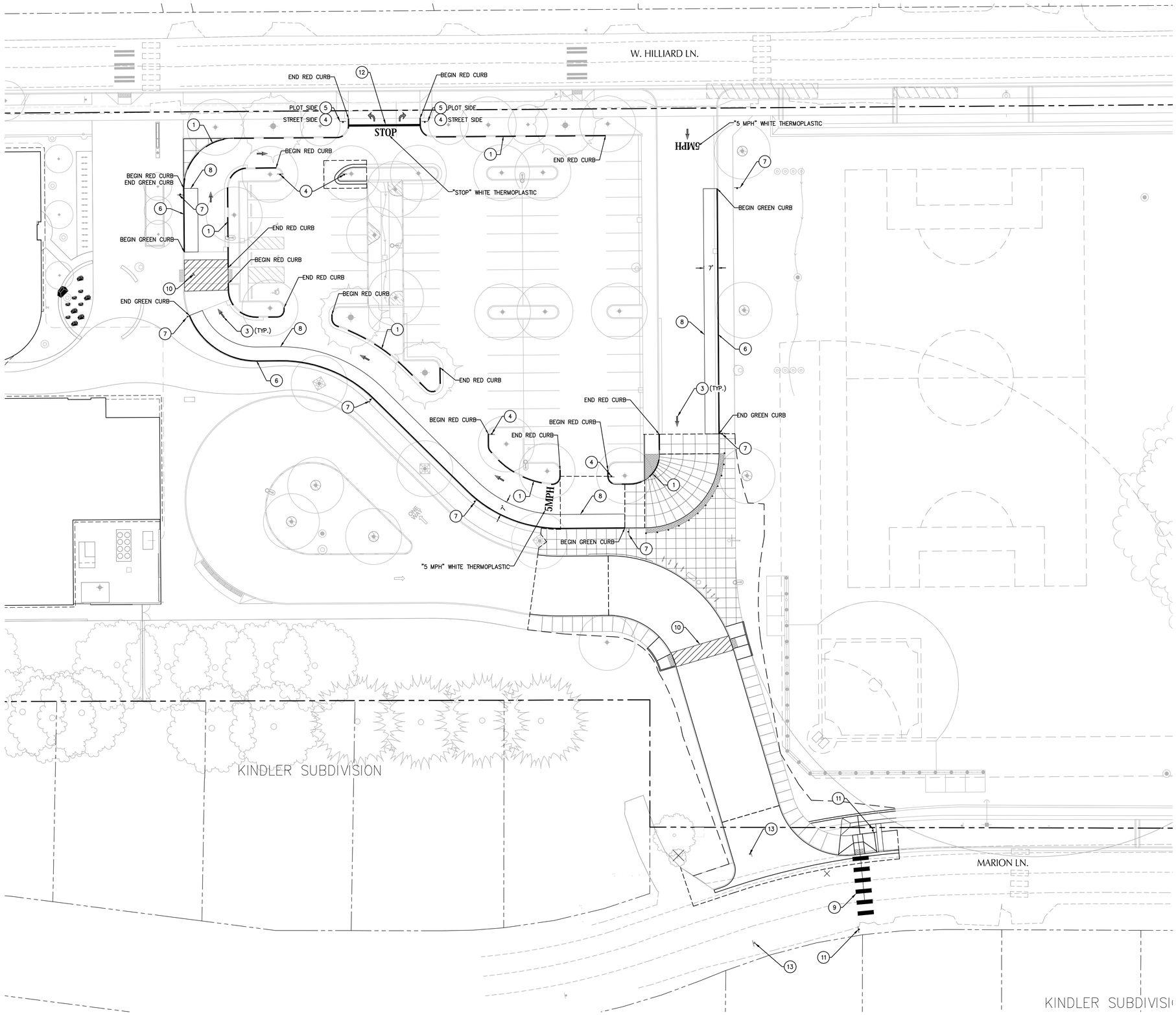
C4.0

PRINTED ON: 6/3/2015 5:17:15 PM FROM FILE: C:\Pivot_Architecture\Revit_2015\1337_RRES_Arch_Bldg_15_bob.rvt



SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF WALL.

KEY NOTES

#	DESCRIPTION	DETAIL REF.
1	PAINT CURB RED	
2	"NO PARKING" ZONE STRIPING	
3	DIRECTIONAL ARROWS	13/C6.0
4	INSTALL "DO NOT ENTER" SIGN, MUTCD R5-1	15/C6.0
5	INSTALL STOP SIGN, MUTCD R1-1	15/C6.0
6	PAINT CURB GREEN	
7	"NO PARKING – STUDENT DROP OFF ONLY" SIGN BOLT DOWN WITH 4 – 3/8" EXP OR HD ANCHORS. 7' TO BOTTOM OF SIGN FROM TOP OF CONCRETE CAP ON TOP	15/C6.0
8	4 INCH WIDE WHITE STRIPE	
9	CROSS BARS, CITY OF EUGENE STD. DWG. TM503	
10	DIAGONAL CROSS WALK STRIPE (WHITE)	
11	RELOCATED CROSSING SIGN	15/C6.0
12	12" WIDE WHITE STOP BAR	
13	REMOVE AND SALVAGE EXISTING CROSSING SIGN	

SHEET LEGEND

PROPERTY LINE

SCALE 1 INCH = 20 FEET
20 0 20 40

PIVOT ARCHITECTURE

REGISTERED PROFESSIONAL ENGINEER 56481 DIGITALLY SIGNED OREGON JULY 19, 2005 MATTHEW M. KEENAN
EXPIRATION DATE: 6/30/2019

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100% CONSTRUCTION DOCUMENT SET - BUS LOOP

EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

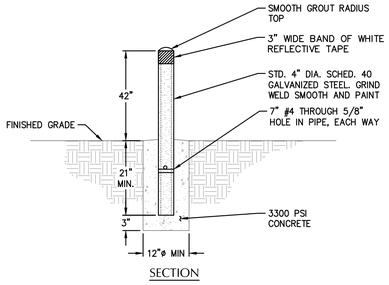
RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

SIGNAGE & STRIPING PLAN

PROJECT #	1337.00	REVISIONS
ISSUE DATE:	6.15.18	

C5.0

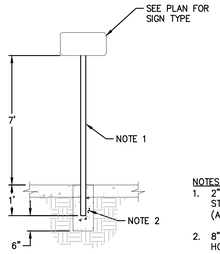
PRINTED ON: 6/3/2015 5:17:15 PM FROM FILE: C:\Pivot_Architecture\Revit_2015\1337_RRES_Arch_Bldg_15_bob.rvt



SECTION

15 PIPE BOLLARD (4" DIA)

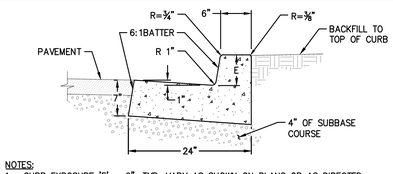
SCALE: NTS



NOTES:
1. 2" ID GALVANIZED STANDARD STEEL PIPE WITH CLOSED TOP (ASTM A120-65).
2. 8" DIA. CONCRETE FILLED POST HOLE.

16 SIGN AND POST

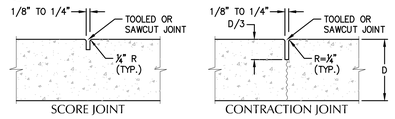
SCALE: NTS

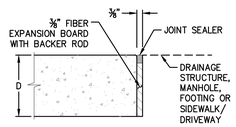


NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.

11 CONCRETE CURB AND GUTTER

SCALE: NTS





EXPANSION / ISOLATION JOINT

JOINT INTERVALS TABLE

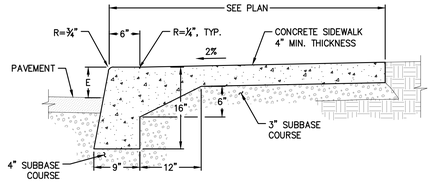
TYPE	SPACING	OR AT...
SCORE	5' TYP.	LOCATIONS SHOWN ON PLANS
CONTRACTION	15' MAX.	END OF RAMPS AND DRIVEWAYS
EXPANSION/ ISOLATION	200' *	POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY OR OTHER FIXED OBJECTS

* MONOLITHIC CURB AND SIDEWALK SHALL BE 45' MAX.

NOTES:
1. CONTRACTION JOINTS MAY BE USED IN PLACE OF SCORE JOINTS.
2. CONSTRUCTION COLD JOINTS MAY BE USED IN PLACE OF CONTRACTION JOINTS.
3. PROVIDE MEDIUM BROOM FINISH WITH NO TOOL MARKS.

12 SIDEWALK JOINTS

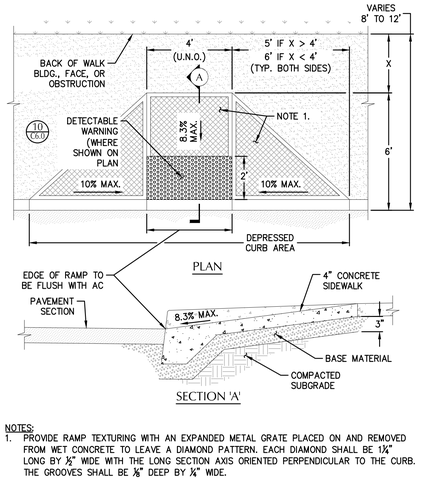
SCALE: NTS



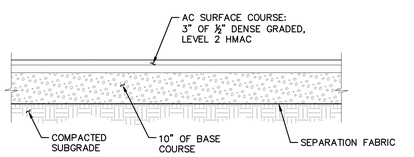
NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING, AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY, UNLESS NOTED OTHERWISE.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.

7 CURB & SIDEWALK - MONOLITHIC

SCALE: NTS

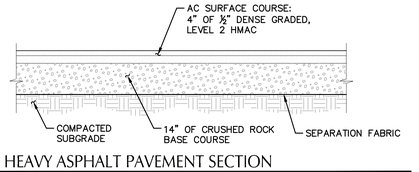


NOTES:
1. PROVIDE RAMP TEXTURING WITH AN EXPANDED METAL GRATE PLACED ON AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. EACH DIAMOND SHALL BE 1¼" LONG BY ½" WIDE WITH THE LONG SECTION AXIS ORIENTED PERPENDICULAR TO THE CURB. THE GROOVES SHALL BE ⅛" DEEP BY ¼" WIDE.



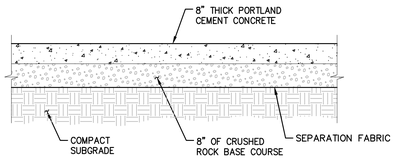
1 LIGHT ASPHALT PAVEMENT SECTION

SCALE: NTS



2 HEAVY ASPHALT PAVEMENT SECTION

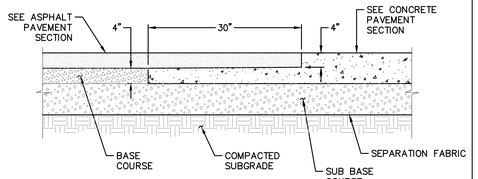
SCALE: NTS



NOTES:
1. – CONSTRUCT CONTRACTION JOINTS AT 12' MAX. SPACING AND AT RAMPS.
   – CONSTRUCT EXPANSION JOINTS AT 200' MAX. SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. PROVIDE MEDIUM BROOM FINISH.

3 CONCRETE PAVEMENT SECTION

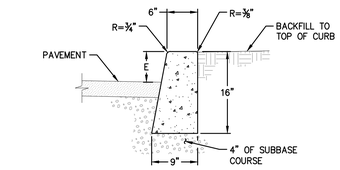
SCALE: NTS



NOTES:
1. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. PROVIDE MEDIUM TO COARSE BROOM FINISH.

4 TRANSITION ASPHALT TO CONCRETE

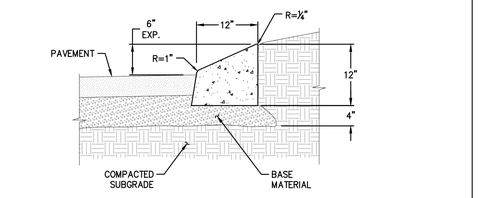
SCALE: NTS



NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.

5 CONCRETE CURB - STANDARD

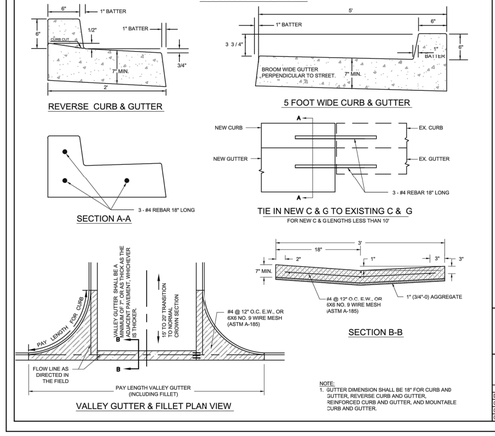
SCALE: NTS



NOTES:
1. CONCRETE SHALL BE 3000 PSI.
2. INSTALL CONTRACTION AND EXPANSION JOINTS AT SPECIFIED DISTANCE.

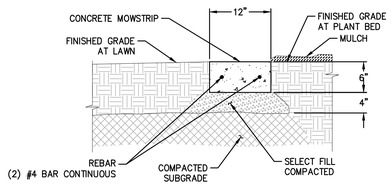
6 CONCRETE CURB - MOUNTABLE

SCALE: NTS



17 VALLEY GUTTER

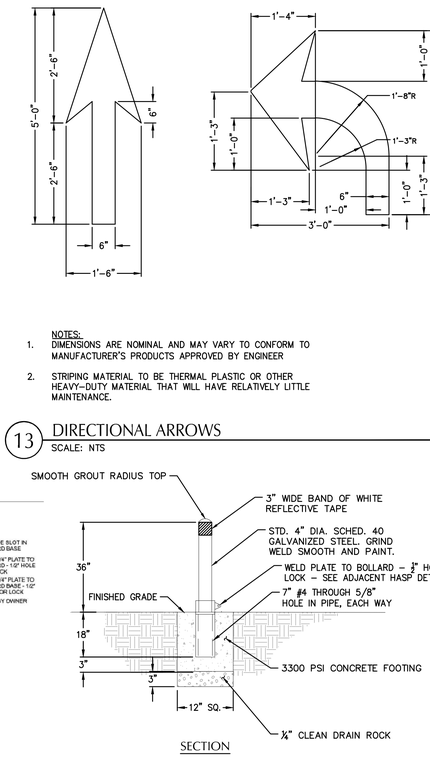
SCALE: NTS



NOTES:
1. CONCRETE SHALL BE 3000 PSI.
2. INSTALL CONTRACTION AND EXPANSION JOINTS AT SPECIFIED DISTANCE.

18 CONCRETE MOWSTRIP

SCALE: NTS



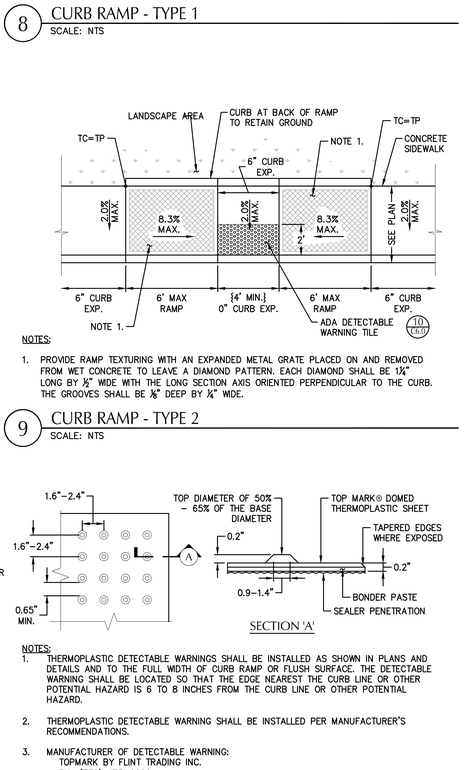
14 REMOVABLE LOCKABLE PIPE BOLLARD

SCALE: NTS

NOTES:
1. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM TO MANUFACTURER'S PRODUCTS APPROVED BY ENGINEER
2. STRIPING MATERIAL TO BE THERMAL PLASTIC OR OTHER HEAVY-DUTY MATERIAL THAT WILL HAVE RELATIVELY LITTLE MAINTENANCE.

13 DIRECTIONAL ARROWS

SCALE: NTS



NOTES:
1. PROVIDE RAMP TEXTURING WITH AN EXPANDED METAL GRATE PLACED ON AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. EACH DIAMOND SHALL BE 1¼" LONG BY ½" WIDE WITH THE LONG SECTION AXIS ORIENTED PERPENDICULAR TO THE CURB. THE GROOVES SHALL BE ⅛" DEEP BY ¼" WIDE.

9 CURB RAMP - TYPE 2

SCALE: NTS

NOTES:
1. THERMOPLASTIC DETECTABLE WARNINGS SHALL BE INSTALLED AS SHOWN IN PLANS AND DETAILS AND TO THE FULL WIDTH OF CURB RAMP OR FLUSH SURFACE. THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD.
2. THERMOPLASTIC DETECTABLE WARNING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. MANUFACTURER OF DETECTABLE WARNING:
   TOPMARK BY FLINT TRADING INC.
   PH: (336) 475-6600
   WWW.FLINTRADING.COM
   OR APPROVED EQUAL

10 DETECTABLE WARNING

SCALE: NTS

PIVOT ARCHITECTURE
REGISTERED PROFESSIONAL ENGINEER
56481
DIGITALLY SIGNED
OREGON
JULY 19, 2005
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CIVIL DETAILS

PROJECT #	1337.00
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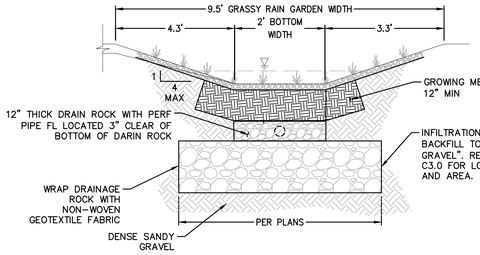
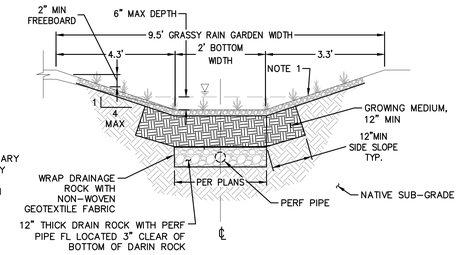
C6.0

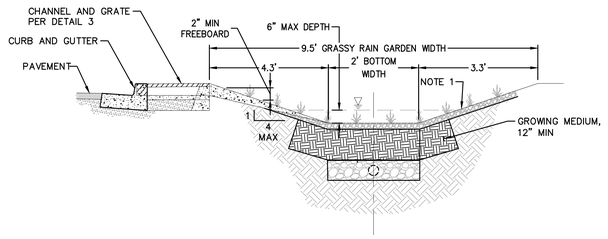


PRIVATE GRASSY RAIN GARDEN OUTFALL SECTION

NOTE:
1. PLACE EROSION CONTROL BLANKET OVER EXPOSED SEED MIX. REFER TO LANDSCAPING PLANS FOR SEEDING REQUIREMENTS.
2. INSTALL GEOTEXTILE LINER AT EXTENTS OF SOAKAGE TRENCH DRAIN ROCK. OVERLAP SEAM BY ONE FOOT AND STAPLE SEAMS AT ONE FOOT INTERVALS.
3. ONSITE RAIN GARDENS IS A PRIVATE STORMWATER TREATMENT FACILITY TO INCLUDE THE TREATMENT OF PUBLIC STREET RUNOFF. REFER TO OPERATIONS AND MAINTENANCE AGREEMENT DOCUMENT FOR DETAILS.

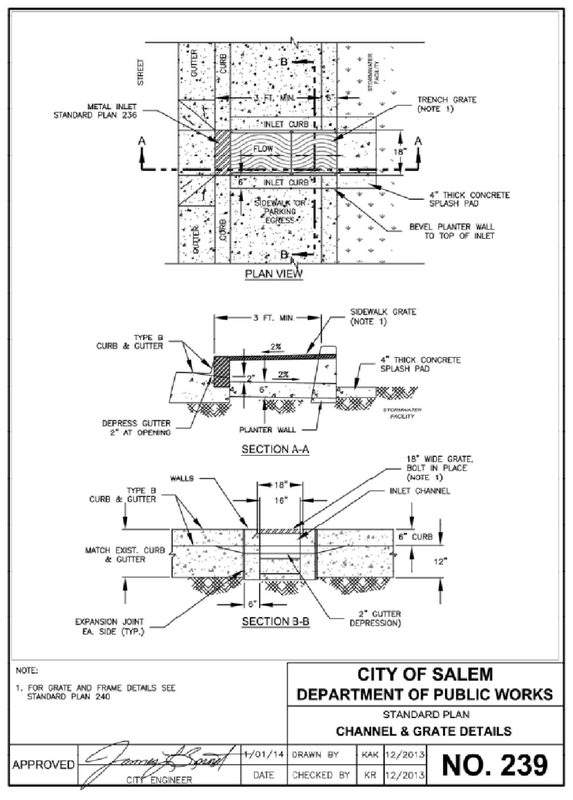


TYPICAL PRIVATE GRASSY RAIN GARDEN SECTION



PRIVATE GRASSY RAIN GARDEN CHANNEL SECTION

4 GRASSY RAIN GARDEN
SCALE: NTS

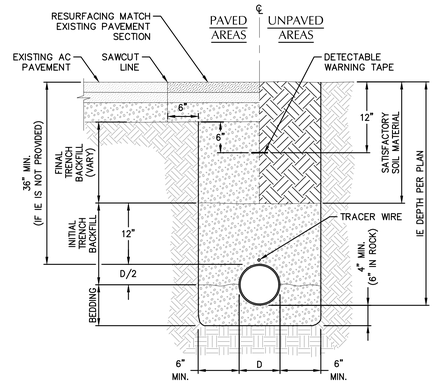


NOTE:
1. FOR GRATE AND FRAME DETAILS SEE STANDARD PLAN 240

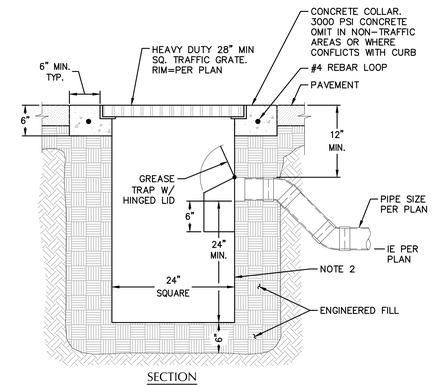
CITY OF SALEM
DEPARTMENT OF PUBLIC WORKS
STANDARD PLAN
CHANNEL & GRATE DETAILS

APPROVED	CITY ENGINEER	1/01/14	DRAWN BY	KAK	12/2013	NO. 239
		DATE	CHECKED BY	KR	12/2013	

3 CHANNEL AND GRATE DETAIL
SCALE: NTS



1 TYPICAL PIPE BEDDING AND BACKFILL
SCALE: NTS



SECTION

NOTES:
1. CONTRACTOR TO WIDEN EXCAVATION AS REQUIRED TO OBTAIN COMPACTION WITH CONTRACTORS COMPACTION EQUIPMENT.
2. 1/4" STEEL PLATE, BITUMINOUS COATED. AS MANUFACTURED BY GIBSON STEEL BASINS OR APPROVED EQUAL.

2 TRAPPED CATCH BASIN
SCALE: NTS

PIVOT ARCHITECTURE
1201 Oak Street, Suite 100
Eugene, OR 97401
P: 541.683.4909
www.pivotarch.com

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PROJECT #: 1337.00
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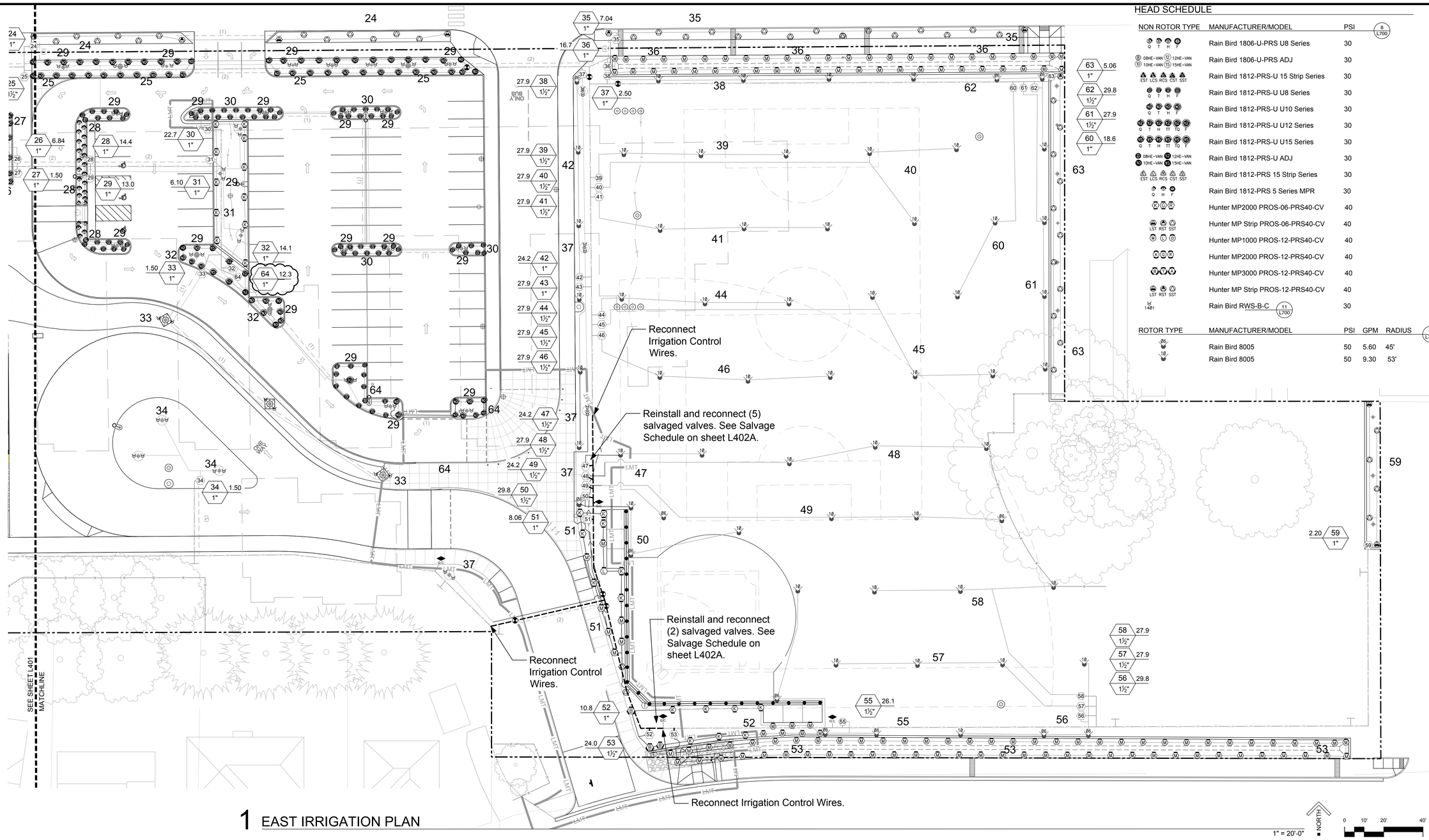

1 EAST IRRIGATION PLAN

1" = 20'-0"

NORTH

0 10' 20' 40'

HEAD SCHEDULE

NON ROTOR TYPE	MANUFACTURER/MODEL	PSI
Q T H F	Rain Bird 1806-U-PRS U8 Series	30
8 OBHE–VAN 12 12HE–VAN 10 10HE–VAN 15 15HE–VAN	Rain Bird 1806-U-PRS ADJ	30
EST LCS RCS CST SST	Rain Bird 1812-PRS-U 15 Strip Series	30
Q T H F	Rain Bird 1812-PRS-U U8 Series	30
Q T H F	Rain Bird 1812-PRS-U U10 Series	30
Q T H TT TQ F	Rain Bird 1812-PRS-U U12 Series	30
Q T H TT TQ F	Rain Bird 1812-PRS-U U15 Series	30
8 OBHE–VAN 12 12HE–VAN 10 10HE–VAN 15 15HE–VAN	Rain Bird 1812-PRS-U ADJ	30
EST LCS RCS CST SST	Rain Bird 1812-PRS 15 Strip Series	30
Q H F	Rain Bird 1812-PRS 5 Series MPR	30
	Hunter MP2000 PROS-06-PRS40-CV	40
LST RST SST	Hunter MP Strip PROS-06-PRS40-CV	40
	Hunter MP1000 PROS-12-PRS40-CV	40
	Hunter MP2000 PROS-12-PRS40-CV	40
	Hunter MP3000 PROS-12-PRS40-CV	40
LST RST SST	Hunter MP Strip PROS-12-PRS40-CV	40
141	Rain Bird RWS-B-C (11 L700)	30

ROTOR TYPE	MANUFACTURER/MODEL	PSI	GPM	RADIUS
	Rain Bird 8005	50	5.60	45'
	Rain Bird 8005	50	9.30	53'

NOTES

1. For Notes see Sheet L400.
2. For Valve Schedule see Sheet L400.
3. Existing landscapes with existing irrigation prior to construction are not to be without water for longer than 5 days. Hand water landscapes without water according to existing irrigation schedule if day time peak temperatures exceed 80 degrees Fahrenheit for more than 3 days in a row. It is critical that all irrigation systems interrupted by construction are reconnected as soon as possible.

LEGEND

- LIMIT OF WORK (LMT) — Approximate
- PROPERTY LINE
- EXISTING TREES To remain
- CC — IRRIGATION CONTROLLERS See Specifications
- MV — MASTER VALVE (5 L700)
- FS — FLOW SENSOR (5 L700)
- ISOLATION VALVE (2 L700)
- QC — QUICK COUPLER ASSEMBLY (4 L700)
- Ex IRR — EXISTING IRRIGATION MAINLINE
- IRRIGATION MAINLINE: 3"
- EXISTING IRRIGATION LATERAL LINE
- IRRIGATION LATERAL LINE
- (#) — IRRIGATION SLEEVE 6" sleeve at quantities shown in #s (1 L700)
- (#) — EXISTING IRRIGATION SLEEVE 6" sleeve at quantities shown in #s
- # — ZONE CONTROL VALVE ASSEMBLY (4 L700)
- Valve Callout: Valve Number, Valve Flow, Valve Size — VALVE CALLOUT

PIPE SIZE SCHEDULE

SCHEDULE 40 PIPE	
GPM	**SIZE**
0-7	3/4"
7-11	1"
11-21	1 1/4"
21-29	1 1/2"
29-49	2"
49-69	2 1/2"
69-110	3"

PIVOT ARCHITECTURE

REGISTERED #372 MATTHEW K. SCHEIBE OREGON 5/9/97 LANDSCAPE ARCHITECT

kpff
1201 Oak Street, Suite 100
Eugene, OR 97401
Ph: 541.684.4900
Fax: 541.684.4999
www.kpff.com

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100% CONTRACT DOCUMENT SET - BUS LOOP

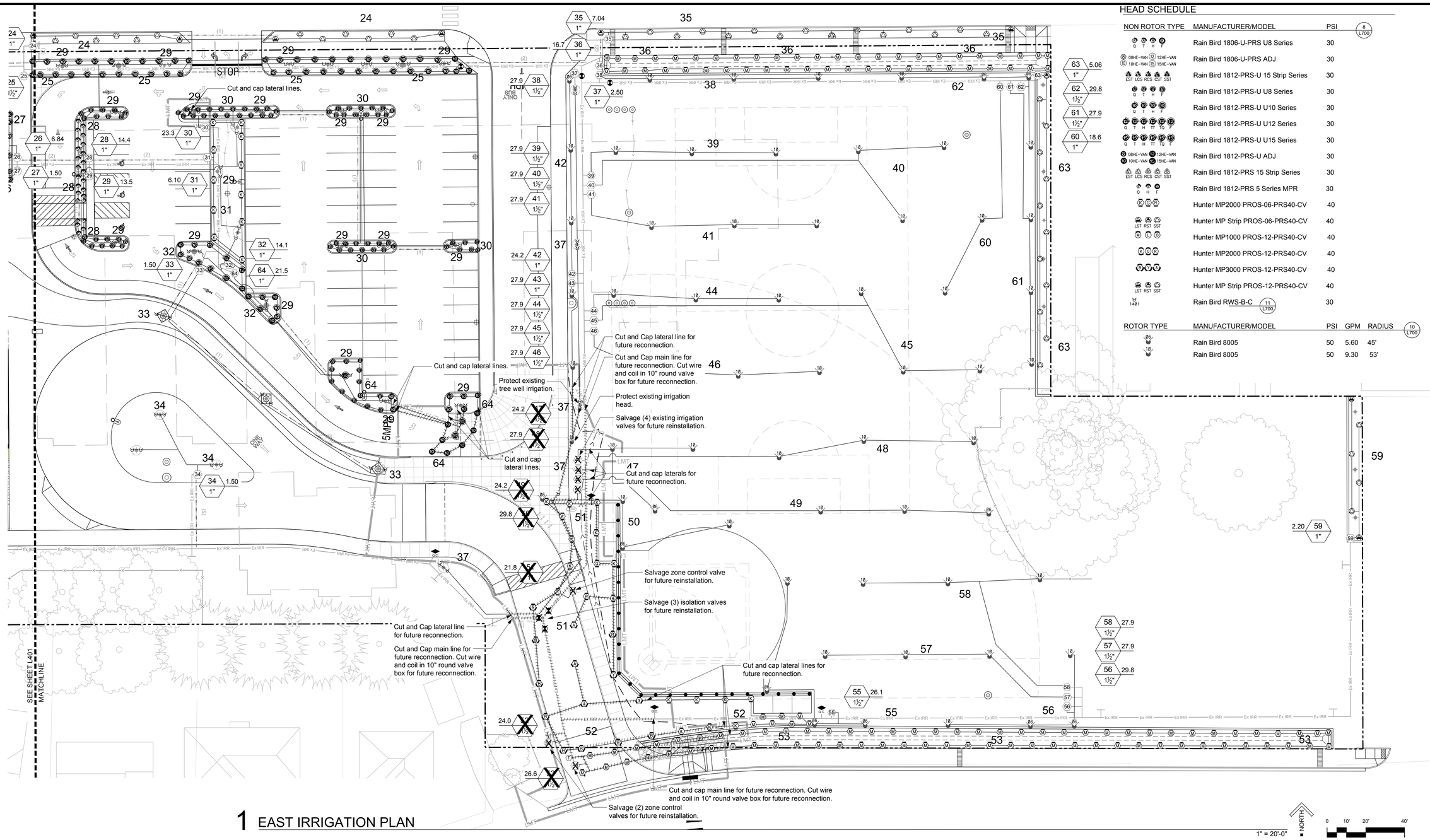
EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

EAST IRRIGATION PLAN

PROJECT #: 1337.00
ISSUE DATE: 6.21.15
REVISIONS:

L402



1 EAST IRRIGATION PLAN

1" = 20'-0" NORTH 0 10' 20' 40'

HEAD SCHEDULE

NON ROTOR TYPE	MANUFACTURER/MODEL	PSI
Q T H F	Rain Bird 1806-U-PRS U8 Series	30
8 OBHE–VAN 12 12HE–VAN 10 10HE–VAN 15 15HE–VAN	Rain Bird 1806-U-PRS ADJ	30
EST LCS RCS CST SST	Rain Bird 1812-PRS-U 15 Strip Series	30
Q T H F	Rain Bird 1812-PRS-U U8 Series	30
Q T H F	Rain Bird 1812-PRS-U U10 Series	30
Q T H TT TQ F	Rain Bird 1812-PRS-U U12 Series	30
Q T H TT TQ F	Rain Bird 1812-PRS-U U15 Series	30
8 OBHE–VAN 12 12HE–VAN 10 10HE–VAN 15 15HE–VAN	Rain Bird 1812-PRS-U ADJ	30
EST LCS RCS CST SST	Rain Bird 1812-PRS 15 Strip Series	30
Q H F	Rain Bird 1812-PRS 5 Series MPR	30
	Hunter MP2000 PROS-06-PRS40-CV	40
LST RST SST	Hunter MP Strip PROS-06-PRS40-CV	40
	Hunter MP1000 PROS-12-PRS40-CV	40
	Hunter MP2000 PROS-12-PRS40-CV	40
	Hunter MP3000 PROS-12-PRS40-CV	40
LST RST SST	Hunter MP Strip PROS-12-PRS40-CV	40
1401	Rain Bird RWS-B-C (11 L700)	30

ROTOR TYPE	MANUFACTURER/MODEL	PSI	GPM	RADIUS
	Rain Bird 8005	50	5.60	45'
	Rain Bird 8005	50	9.30	53'

SALVAGE SCHEDULE

(3) 3" Isolation valves	To be reinstalled
(3) 1 ½" Zone Control Valves	To be reinstalled
(5) 1" Zone Control Valve	To be reinstalled.
(41) Hunter PRS40	To be reinstalled or turned over to Owner.
(2) Rain Bird 8005	To be reinstalled.
(13) Rain Bird 1812-PRS	To be reinstalled or turned over to Owner.

LEGEND

- LMT — LIMIT OF WORK Approximate
- PROPERTY LINE
- EXISTING TREES To remain
- IRRIGATION MAIN LINE To be removed
- IRRIGATION MAIN LINE To be removed
- X — IRRIGATION EQUIPMENT To be salvaged and reinstalled. See Salvage Schedule.
- CC — IRRIGATION CONTROLLERS See Specifications
- MV — MASTER VALVE (5 L700)
- FS — FLOW SENSOR (6 L700)
- ISOLATION VALVE (2 L700)
- QUICK COUPLER ASSEMBLY (4 L700)
- IRRIGATION MAINLINE
- IRRIGATION LATERAL LINE
- (#) — IRRIGATION SLEEVE (1 L700) 6" sleeve at quantities shown in #s
- # — ZONE CONTROL VALVE ASSEMBLY (4 L700)
- Valve Callout: Valve Number, Valve Flow, Valve Size — VALVE CALLOUT

PIPE SIZE SCHEDULE

SCHEDULE 40 PIPE	
GPM	**SIZE**
0-7	3/4"
7-11	1"
11-21	1 1/4"
21-29	1 1/2"
29-49	2"
49-69	2 1/2"
69-110	3"

NOTES

1. For Notes see Sheet L400.
2. For Valve Schedule see Sheet L400.

PIVOT ARCHITECTURE

REGISTERED #372 MATTHEW K. SCHEIBE OREGON 5/9/97 LANDSCAPE ARCHITECT

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EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

IRRIGATION DEMO PLAN

PROJECT #: 1337.00
ISSUE DATE: 6.21.18
REVISIONS:

L402A

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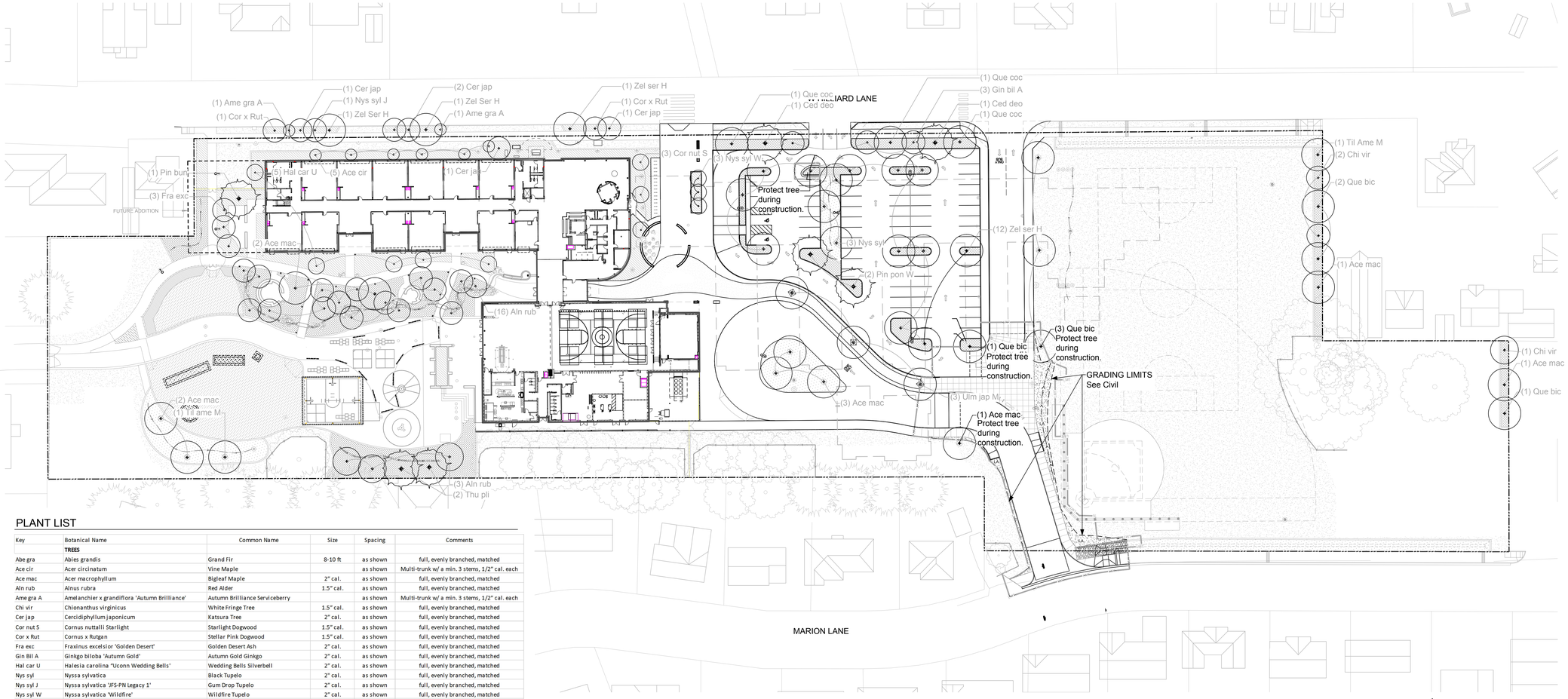

1 TREE, SOIL PREPARATION, AND SEEDING PLAN

1" = 40'-0"

NORTH

0 20' 40' 80'

PLANT LIST

Key	Botanical Name	Common Name	Size	Spacing	Comments
	TREES				
Abe gra	Abies grandis	Grand Fir	8-10 ft	as shown	full, evenly branched, matched
Ace cir	Acer circinatum	Vine Maple		as shown	Multi-trunk w/ a min. 3 stems, 1/2" cal. each
Ace mac	Acer macrophyllum	Bigleaf Maple	2" cal.	as shown	full, evenly branched, matched
Aln rub	Alnus rubra	Red Alder	1.5" cal.	as shown	full, evenly branched, matched
Ame gra A	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry		as shown	Multi-trunk w/ a min. 3 stems, 1/2" cal. each
Chi vir	Chionanthus virginicus	White Fringe Tree	1.5" cal.	as shown	full, evenly branched, matched
Cer jap	Cercidiphyllum japonicum	Katsura Tree	2" cal.	as shown	full, evenly branched, matched
Cor nut S	Cornus nuttalli Starlight	Starlight Dogwood	1.5" cal.	as shown	full, evenly branched, matched
Cor x Rut	Cornus x Rutgan	Stellar Pink Dogwood	1.5" cal.	as shown	full, evenly branched, matched
Fra exc	Fraxinus excelsior 'Golden Desert'	Golden Desert Ash	2" cal.	as shown	full, evenly branched, matched
Gin Bil A	Ginkgo biloba 'Autumn Gold'	Autumn Gold Ginkgo	2" cal.	as shown	full, evenly branched, matched
Hal car U	Halesia carolina 'Uconn Wedding Bells'	Wedding Bells Silverbell	2" cal.	as shown	full, evenly branched, matched
Nys syl	Nyssa sylvatica	Black Tupelo	2" cal.	as shown	full, evenly branched, matched
Nys syl J	Nyssa sylvatica 'JFS-PN Legacy 1'	Gum Drop Tupelo	2" cal.	as shown	full, evenly branched, matched
Nys syl W	Nyssa sylvatica 'Wildfire'	Wildfire Tupelo	2" cal.	as shown	full, evenly branched, matched
Que bic	Quercus bicolor 'JFS-KW12'	American Dream Oak	2" cal.	as shown	full, evenly branched, matched
Que coc	Quercus coccinea	Scarlet Oak	2" cal.	as shown	full, evenly branched, matched
Pin bun	Pinus bungeana	Lacebark Pine	8-10 ft	as shown	full, evenly branched, matched
Pin pon W	Pinus ponderosa var. benthamania	Willamette Valley Ponderosa Pine	8-10 ft	as shown	full, evenly branched, matched
Til ame M	Tilia americana 'McKSentry'	American Sentry Linden	2" cal.	as shown	full, evenly branched, matched
Thu pli	Thuja plicata	Western Red Cedar	8-10 ft	as shown	full, evenly branched, matched
Ulm jap M	Ulmus japonica x wilsoniana 'Morton'	Accolade Elm	2" cal.	as shown	full, evenly branched, matched
Zel ser H	Zelkova serrata 'Halka'	Halka Zelkova	2" cal.	as shown	full, evenly branched, matched
	SHRUBS				
Cis pur	Cistus x purpureus	Orchid Rockrose	#5	48" o.c.	full and bushy, matched
Cor Fla	Cornus sericea 'Flaviraemea'	Yellowtwig Dogwood	#5	5' o.c.	full and bushy, matched
Cor Isa	Cornus sericea 'Isanti'	Isanti Redtwig Dogwood	#5	5' o.c.	full and bushy, matched
Cor Kel	Cornus sericea 'Kelseyi'	Kelseyi Dogwood	#3	36" o.c.	full and bushy, matched
Dap odo	Daphne odora 'Autreomarginata'	Winter Daphne	#5	48" o.c.	full and bushy, matched
Euo ala	Euonymus alatus 'Compacta'	Dwarf Winged Euonymus	#5	5' o.c.	full and bushy, matched
Fot maj	Fothergilla major 'Mount Airy'	Mount Airy Fothergilla	#5	48" o.c.	full and bushy, matched
Ham int	Hamamelis x intermedia 'Arnold Promise'	Arnold Promise Witch Hazel	#5	as shown	full and bushy, matched
Hyd que	Hydrangea quercifolia 'Pee Wee'	Pee Wee Hydrangea	#5	48" o.c.	full and bushy, matched
Ile Hel	Ilex crenta 'Helerii'	Helerii Japanese Holly	#5	30" o.c.	full and bushy, matched
Lon nit	Lonicera nitida 'Twiggy'	Twiggy Box Honeysuckle	#3	24" o.c.	full and bushy, matched
Mah aqu	Mahonia aquifolium	Oregon Grape	#5	42" o.c.	full and bushy, matched
Mah rep	Mahonia repens	Creeping Mahonia	#3	18" o.c.	full and bushy, matched
Myr cal	Myrica californica	Pacific Wax Myrtle	#5	6' o.c.	full and bushy, matched
Phy cap	Physocarpus capitatus	Western Ninebark	#5	5' o.c.	full and bushy, matched
Pru lau	Prunus laurocerasus 'Mount Vernon'	Mount Vernon Laurel	#3	24" o.c.	full and bushy, matched
Rho Dor	Rhododendron x 'Dora Amateis'	Dora Amateis Rhododendron	#5	36" o.c.	full and bushy, matched
Rib san	Ribes sanguinium 'King Edward IV'	Red Flowering Currant	#3	48" o.c.	full and bushy, matched
Spi Tor	Spiraea betulifolia 'Tor'	Birchleaf Spirea	#3	36" o.c.	full and bushy, matched
Spi jap	Spiraea japonica 'Walbuma'	Magic Carpet Spirea	#3	24" o.c.	full and bushy, matched
Vac cor	Vaccinium corymbosum 'Last Call'	Liberty Highbush Blueberry	#5	48" o.c.	full and bushy, matched
Vac ova	Vaccinium ovatum	Evergreen Huckleberry	#2	36" o.c.	full and bushy, matched
	GROUNDCOVERS/ORNAMENTAL GRASSES/PERENNIALS/BULBS				
Ble spi	Blechnum spicant	Deer Fern	#2	24" o.c.	full and bushy, matched
Car mow	Carex morrowwii 'Ice Dance'	Ice Dance Sedge	#1	18" o.c.	full and bushy, matched
Car obn	Carex obnupta	Slough Sedge	#1	18" o.c.	full and bushy, matched
Cro ver	Crocus vernus	Dutch Crocus	3 corms/bulb	6" o.c.	install bulbs 2-3" deep
Hel ori	Helleborus orientalis	Lenten Rose	#2	24" o.c.	full and bushy, matched
Iri ten	Iris tenax	Oregon Iris	bulb	8" o.c.	install depth 3 times bulb width
Jun pat/Jun pa2	Juncus patens	California Gray Rush	#1	18" o.c.	full and bushy, matched
Lup pol	Lupinus polyphyllus	Large-leaf Lupine	#1	18" o.c.	full and bushy, matched
Nar Kin	Narcissus 'King Alfred'	Daffodil	#1 dl nose/bulb	8" o.c.	install bulbs 5" deep
Pen alo	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	#3	30" o.c.	full and bushy, matched
Pol mun	Polystichum munitum	Western Sword Fern	#2	36" o.c.	full and bushy, matched
Sed Aut	Sedum x 'Autumn Joy'	Autumn Joy Stonecrop	#1	24" o.c.	full and bushy, matched
	Tulipa 'Darwins Hybrid'	Darwins Hybrid Tulip	bulb	8" o.c.	install depth 2-1/2 times bulb width
	GRASSY SWALE SEED MIX (18 lbs. per ACRE)				
	Agrostis exarata (25%)	Spike Bentgrass	Seed		
	Carex obnupta (20%)	Slough Sedge	Seed		
	Elecocharis ovata (25%)	Ovate Spikerush	Seed		
	Epilobium densiflorum (10%)	Dense Spike-primose	Seed		
	Juncus effusus var. gracilis (20%)	Common Rush	Seed		
	WET PRAIRIE SEED MIX (18 lbs. per ACRE)				
	Camassia quamash (5%)	Common Camas	Seed		
	Carex obnupta (10%)	Slough Sedge	Seed		
	Festuca roemeri var. roemeri (55%)	Roemer's Fescue	Seed		
	Juncus effusus var. gracilis (25%)	Common Rush	Seed		
	Lupinus micranthus (5%)	Small Flowered Lupine	Seed		

NOTES

1. All survey information provided by:
   Balshizer & Hubbard
   100 W 13th Avenue
   Eugene, OR 97401
   P: 541.686.8478
   F: 541.345.5303
   Dated: 09.13.2013
2. Verify exact locations and routing of existing and proposed underground utilities prior to starting any excavation. Any damage to existing pipes, underground utilities or related facilities to be repaired at Contractor's expense in a manner approved by Landscape Architect.
3. Do not install any plant materials until Landscape Architect has reviewed and approved irrigation system installation, area coverage balancing, soil preparation and finish grading. Refine the shape and finish grade of plant beds as directed by Landscape Architect.
4. Protect all existing trees and plant materials to remain including limbs, trunks, roots and root zones. Protect trunks, limbs, roots, and root zones at drip line of existing trees and plant materials to remain as directed by Architect. Cut no limbs or roots larger than 1.5" in diameter without approval of Landscape Architect. Sharp pruning equipment such as saws and loppers must be used for roots greater than 1" diameter. Roots shall be cut with approved saws.
5. Finish grade is top of soil. Mulch is in addition.
6. Prune all new plant materials as directed by Landscape Architect.
7. Make minor adjustments in tree spacing as necessary to accommodate the irrigation system as installed.
8. Where new lawn abuts existing, provide a smooth transition and make repairs as necessary to existing lawn.
9. Plant quantities shown are for Contractor's convenience only. Contractor is responsible to provide 100% coverage of entire area at spacing shown.
10. Triangle space all shrubs and groundcovers, unless otherwise noted or shown.
11. Trees, shrubs, and groundcovers planted too deeply will not be accepted. See typical planting details.
12. Provide a 5 ft diameter mulch only area at trees planted within grassy swale or wet prairie areas.
13. In addition to improvements shown, repair all areas disturbed or damaged by construction impacts to the condition that existed prior to construction.

SPECIAL NOTE

PLANT SPACING

Hold plantings back at sidewalks, buildings, walls, and at plant beds in parking lot where car doors swing. Allow 6" unplanted space plus 1/2 the on center spacing from edge of sidewalk and edge of parking lot planter where car door swings to plant center. Allow 18" unplanted space plus 1/2 the on center spacing from face of building and 12" unplanted space plus 1/2 the on center spacing from face of wall to plant center.

LEGEND

- LIMIT OF WORK Approximate
- PROPERTY LINE
- CHAIN LINK FENCE See Architectural
- EXISTING TREES To remain
- (E) CODE REQUIRED LANDSCAPE To remain (1/L701, 3/L701)
  - Per EC 9.6210(2) and EC 9.6210(3)
- (E) PLANT BED
- (E) VEGETATED SWALE
- (E) GRASSY SWALE - STORMWATER
- (E) WET PRAIRIE - STORMWATER
- (E) LAWN AREA
- (E) MULCH ONLY AT TREES
  - 5' diameter minimum
- VISION CLEARANCE TRIANGLE
- GRASSY SWALE - STORMWATER
  - See Civil for Stormwater Soil Mix
  - See Plant List for seed mix
- LA LAWN AREA
  - See specifications for seed mix
- (E) EXISTING ELEMENT TO REMAIN

PIVOT ARCHITECTURE
REGISTERED #372 MATTHEW K. SCHEIBE OREGON 5/9/97 LANDSCAPE ARCHITECT
1201 Oak Street, Suite 100
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100% CONTRACT DOCUMENT SET - BUS LOOP

EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

TREE, SOIL PREPARATION, AND SEEDING PLAN

PROJECT #: 1537.00
ISSUE DATE: 6.21.18
REVISIONS

L500

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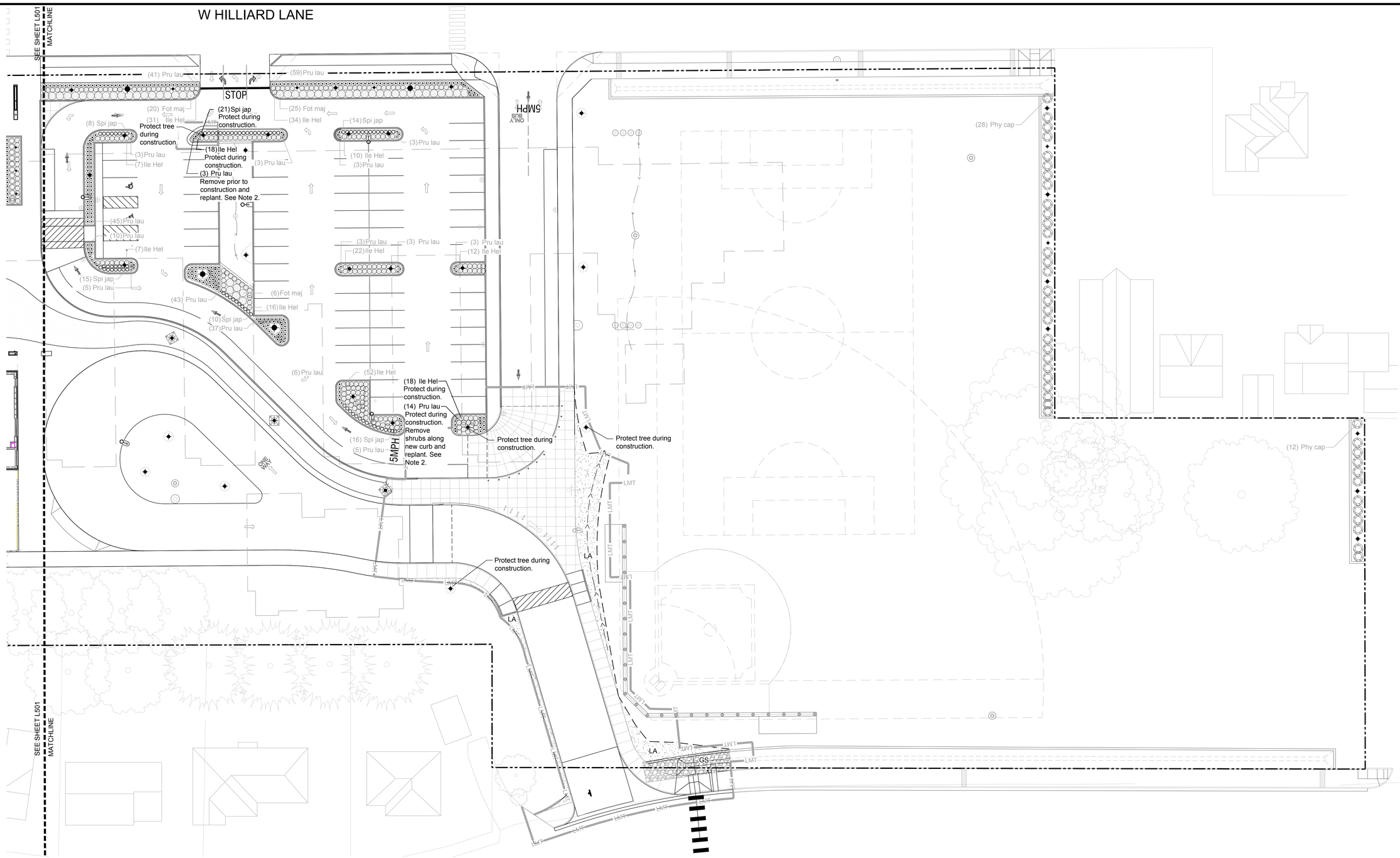

1 EAST PLANTING PLAN

1" = 20'-0"

NORTH

0 10' 20' 40'

NOTES

1. See Plant List and Notes Sheet L500.
2. Heel in plants during construction and keep watered until replanting.

SPECIAL NOTE

PLANT SPACING

Hold plantings back at sidewalks, buildings, walls, and at plant beds in parking lot where car doors swing. Allow 6" unplanted space plus 1/2 the on center spacing from edge of sidewalk and edge of parking lot planter where car door swings to plant center. Allow 18" unplanted space plus 1/2 the on center spacing from face of building and 12" unplanted space plus 1/2 the on center spacing from face of wall to plant center.

LEGEND

*	Ble spi		Euo ala		Lup pol		Rho Dor
	Car mor		Fot maj		Mah aqu		Rib san
	Car obn		Ham int		Mah rep		Sed Aut
	Cis pur		Hel ori		Myr cal		Spi Tor
	Cor Fla		Hyd que	•	Cro ver Nar Kin Tul Dar		Spi jap
	Cor Isa		Ile Hel		Pen alo		Vac cor
	Cor Kel	•	Iri ten		Phy cap		Vac ova
	Dap odo		Jun pat	*	Pol mun	JP	Jun pat
			Lon nit		Pru lau		

PIVOT ARCHITECTURE

REGISTERED #372 MATTHEW A. SCHEIBE OREGON 5/9/97 LANDSCAPE ARCHITECT

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100% CONTRACT DOCUMENT SET - BUS LOOP

EUGENE SCHOOL DISTRICT 4J
120 WEST HILLIARD AVENUE, EUGENE, OREGON 97404

RIVER ROAD / EL CAMINO DEL RIO ELEMENTARY SCHOOL

EAST LANDSCAPE PLAN

RFI 594
3 AUGUST 2017

PROJECT #: 1337.00
ISSUE DATE: 6.21.18
REVISIONS:

L502

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