ADAMS STREET CONNECTOR

Milwaukie, Oregon

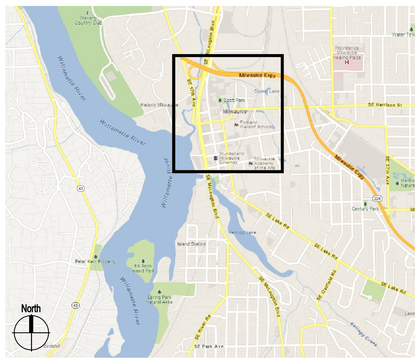
Bid Documents

MARCH 6, 2015

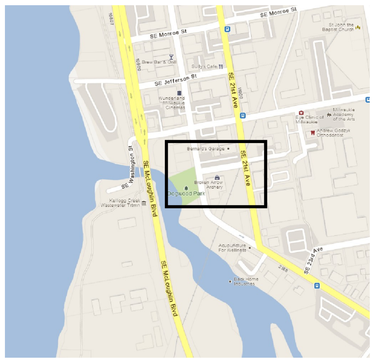
GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND AND OVERHEAD UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
2. STREETS, SIDEWALKS, AND ADJACENT PROPERTY SHALL BE PROTECTED THROUGHOUT THE WORK AS REQUIRED BY LOCAL CODES AND REGULATIONS AND APPROVED BY THE OWNER.
3. REFER TO CITY AND/OR COUNTY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
4. ALL WORK AND PORTIONS OF THE PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES.
5. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION.
6. ALL LIMITS OF WORK, PROPERTY LINES AND LOT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
7. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT (7) DAYS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULES.
8. WRITTEN SPECIFICATIONS ARE A PART OF THESE CONSTRUCTION DOCUMENTS. SEE SPECS FOR ALL WORK PERFORMED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
11. THE LOCATION OF FEATURES TO BE CONSTRUCTED NOT SPECIFICALLY DIMENSIONED MAY BE DETERMINED BY SCALE. IF CONFLICTS ARISE IN FIELD, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION BEFORE PROCEEDING.
12. ALL DIMENSIONS ARE FROM OUTSIDE FACE OF PAVING, WALLS, ETC., UNLESS OTHERWISE NOTED ON PLANS.
13. PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
14. COORDINATE ALL ARBORICULTURE REQUIREMENTS WITH THE OWNER'S REPRESENTATIVE.
15. ALL EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH ALL CODES AND ORDINANCES.
16. CONTRACTOR SHALL PROVIDE A SECURE AREA FOR STAGING & STORAGE THROUGHOUT DURATION OF THE CONSTRUCTION.

VICINITY MAP



LOCATION MAP



PROJECT DIRECTORY

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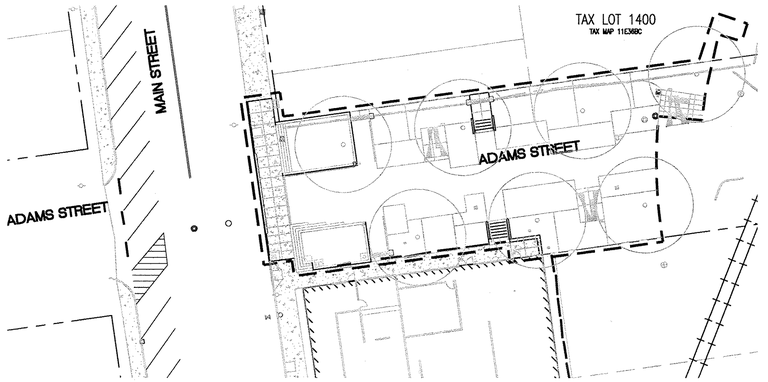
ABBREVIATIONS

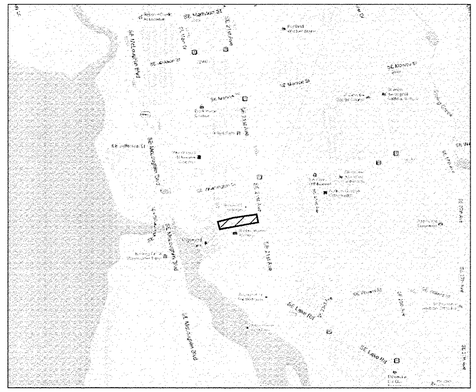
&	And
@	At
℄	Centerline
℔	Property Line
%	Percent
#	Pound or Number
AC.	Acre
A/C	Asphaltic Concrete
AC.	Asphalt
ADD-ALT	Added Alternate
ALT.	Alternate
APPROX.	Approximately
B&B	Balled and Burlapped
BC	Bottom of Curb
BM.	Bench Mark
B.O.C.	Back of Curb
BS	Bottom of Stair
B.W.	Both Ways
BW	Bottom of Wall
C.B.	Catch Basin
CIDH	Cast-In-Drill-Hole
C.F.	Cubic Feet
C.J.	Control Joint
CLR.	Clear
CONC.	Concrete
CONST.	Construction
CONT.	Continuous
COORD.	Coordinate
CTSK.	Countersunk
C.Y.	Cubic Yards
DET.	Detail
D.F.	Drinking Fountain
D.I.	Drain Inlet
DIA.	Diameter
DWG.	Drawing
E	East
EA.	Each
E.J.	Expansion Joint
EL.	Elevation
EP	Edge of Pavement
EQ.	Equal
EW	Each Way
EX.	Existing
EXIST.	Existing
EXP.	Exposed
F.O.C.	Face of Curb
F.O.W.	Face of Wall
FT.	Foot or Feet
FTG.	Footing
GA.	Gauge
GAL.	Gallon
GALV.	Galvanized
H.B.	Hose Bib
H/C	Handicap
HDR.	Header
HORIZ.	Horizontal
H.P.	High Point
HT.	Height
I.D.	Inside Diameter
I.E.	Invert Elevation
JT.	Joint
L.A.	Landscape Architect
L.F.	Linear feet
L.P.	Low Point
LT.	Light
MAX.	Maximum
M.B.	Machine Bolt
MED.	Medium
MEMB.	Membrane
MET.	Metal
MFR.	Manufacturer
MH.	Manhole
MIN.	Minimum
MISC.	Miscellaneous
N	North
N.I.C.	Not in Contract
NO.	Number
N.T.S.	Not to Scale
O.C.	On Center
O.D.	Outside Diameter
OPP.	Opposite
O.R.	Owner's Representative
P	Parking
P.A.	Planting Area
P.C.	Point of Curvature
P.O.B.	Point of Beginning
P.O.C.	Point of Connection
P.S.	Pipe Sleeve
P.T.	Point of Tangent, Pressure Treated
P.V.C.	Polyvinyl Chloride Pipe
R	Riser, Radius
RAD.	Radius
RIM	Rim Elevation
REINF.	Reinforced, Reinforcing
REQD.	Required
R.O.W.	Right of Way
S	South
SL.	Score Line
S.F.	Square Feet
SHT.	Sheet
SPA.	Spaces
SPECS.	Specifications
SQ.	Square
STL.	Steel
SLV.	Sleeve
T	Tread
T.B.D.	To Be Determined
TC	Top of Curb
T.J.	Tooled Joint
T.O.F.	Top of Footing
TP	Top of Pavement
TS	Top of Stair
TW	Top of Wall
TYP.	Typical
U.N.O.	Unless Noted Otherwise
VERT.	Vertical
V.I.F.	Verify In Field
W	West
W/	With
W/O	With Out
WPF.	Waterproof
W.W.M.	Welded Wire Mesh

DRAWING INDEX

ADAMS STREET
100% CD SET
MILWAUKIE, OREGON



SITE MAP
SCALE: 1"=50'



VICINITY MAP
SCALE: 1"=500'

GENERAL NOTES:

1. SURVEY PROVIDED BY THE CITY OF MILWAUKIE AND COMPLETED BY AKS ENGINEERING AND FORESTRY, DATED JUNE, 2012. ELEVATIONS ARE BASED ON OSHD BENCHMARK NO. K679, AT THE SW CORNER OF THE KELLOGG CREEK BRIDGE HEADWALL WITH A NAVD88 ELEVATION OF 34.56 FEET.
2. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT BY SHANNON & WILSON INC. DATED JANUARY 2013, FOR THE SITE SOILS CONDITIONS.
4. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2008 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2008 OREGON PLUMBING SPECIALTY CODE AND REQUIREMENTS OF THE CITY OF MILWAUKIE.
5. 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.
6. 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.
7. 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 THE CITY OF MILWAUKIE, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
8. 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.
9. TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO CITY OF MILWAUKIE EROSION PREVENTION & SEDIMENT CONTROL REQUIREMENTS, ACWA CONSTRUCTION SITE STORMWATER GUIDE AND OAR 340-41-55. 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.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
11. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN THE TO CITY OF MILWAUKIE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
12. CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE OWNER.
14. NOTIFY CITY OF MILWAUKIE INSPECTOR 72 HOURS BEFORE STARTING WORK. A PRECONSTRUCTION MEETING WITH THE CONTRACTOR, AND THE CITY OF MILWAUKIE REPRESENTATIVE SHALL BE REQUIRED.

MATERIAL NOTES:

1. 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 THE CITY OF MILWAUKIE PRIOR TO INSTALLATION.

STORM AND SANITARY SEWER

2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE, DUCTILE IRON PIPE OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND INDICATED IN THE PLANS CONFORMING TO THE PROJECT SPECIFICATIONS.

WATER

3. POTABLE WATER MAINS 4-INCH DIAMETER AND LARGER SHALL BE DUCTILE IRON PIPE CONFORMING TO THE PROJECT SPECIFICATIONS.
4. POTABLE WATER LINES 3-INCH DIAMETER AND SMALLER SHALL BE HDPE AWWA C901 OR PEX SDR9 AWWA C904 CONFORMING TO THE PROJECT SPECIFICATIONS. WATER PIPE SHALL BE C.T.S. AND NSF 61, 14 CERTIFIED.

PAVING

5. ON SITE CONCRETE FOR CURBS, SIDEWALK, AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.

CONSTRUCTION NOTES:

EARTHWORK

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.

UTILITIES - GENERAL

3. ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC. TO FINISHED GRADE.
4. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, GAS, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
5. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
6. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO THE CITY OF MILWAUKIE.
7. ALL WORK WITHIN THE ROW SHALL BE IN ACCORDANCE WITH THE CITY OF MILWAUKIE STANDARD CONSTRUCTION SPECIFICATIONS.

STORM AND SANITARY

8. CONNECTIONS TO EXISTING STORM AND SANITARY SEWERS SHALL CONFORM TO THE MOST CURRENT EDITION OF THE CITY OF MILWAUKIE PUBLIC WORKS STANDARDS.
9. BEGIN LAYING STORM DRAIN AND SANITARY SEWER 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.
10. 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.
11. ALL ROOF DRAIN AND CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.

WATER

18. ALL WATER AND FIRE PROTECTION PIPE SHALL HAVE A MINIMUM 36-INCH COVER TO THE FINISH GRADE.
19. ALL WATER MAIN / SANITARY SEWER CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT REGULATIONS, CHAPTER 333.

PAVING

20. SEE LANDSCAPE PLANS FOR ON-SITE FINISHING AND SCORING PATTERNS.

STAGING

21. CONTRACTOR SHALL PROVIDE CONSTRUCTION ACCESS AND STAGING AREA PLAN TO THE CITY FOR APPROVAL PRIOR TO THE COMMENCEMENT OF WORK.

PROJECT CONTACTS

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CIVIL ENGINEER:
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CONTACT: GRANT PARTHEMER

ABBREVIATIONS

AC	ASPHALT CONCRETE	OF	OUTFALL
AD	AREA DRAIN	OS	OVERFLOW STRUCTURE
APPROX	APPROXIMATE	OVH/OH	OVERHEAD
B	BEND	P/L	PROPERTY LINE
BLDG	BUILDING	PC	POINT OF CURVATURE
BOW	BACK OF WALK	PCC	POINT OF COMPOUND CURVATURE
BS	BOTTOM OF SWALE	PCR	POINT OF CURB RETURN
	BOTTOM OF STAIR	PED	PEDESTRIAN
BW	BOTTOM OF WALL	PIV	POST INDICATOR VALVE
CB	CATCH BASIN	PM	PARKING METER
CL	CENTERLINE	POC	POINT ON CURVE
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
CO	CLEANOUT	PRC	POINT OF REVERSE CURVATURE
COM	CITY OF MILWAUKIE	PT	POINT OF TANGENT
CONC.	CONCRETE	P.U.E	PUBLIC UTILITY EASEMENT
COTG	CLEANOUT TO GRADE	PVC	POLYVINYL CHLORIDE
CP	CONTROL POINT	PVMT	PAVEMENT
Δ	DELTA	PVT	PRIVATE
D/W	DRIVEWAY	R	RIM
DIA.,Ø	DIAMETER	RD	ROOF DRAIN
DIP	DUCTILE IRON PIPE	R.O.W	RIGHT-OF-WAY
DWYE	DOUBLE WYE	S	SLOPE (FT/FT)
E	EASTING	SD	STORM DRAIN
EXIST./EX	EXISTING	SDMH	STORM DRAIN MANHOLE
FDC	FIRE DEPARTMENT CONNECTION	SHT	SHEET
FF	FINISH FLOOR ELEVATION	SS	SANITARY SEWER
FG	FINISH GRADE	SSMH	SANITARY SEWER MANHOLE
FH	FIRE HYDRANT	ST	STREET
FL	FLOWLINE	STA	STATION
FND	FOUNDATION	STD	STANDARD
G	GUTTER	S/W	SIDEWALK
GB	GRADE BREAK	TC	TOP OF CURB
GL	GAS LINE	TD	TRENCH DRAIN
GV	GATE VALVE	TG	TOP OF GROUND
H	HEIGHT	TP	TOP OF PAVEMENT
HB	HORIZONTAL BEND	TRANS.	TRANSFORMER
HCP	HANDICAP PARKING SPACE	TS	TOP OF STAIR
HP	HIGH POINT	TW	TOP OF WALL
ID	INSIDE DIAMETER		TOP OF WALK
IE	INVERT ELEVATION	TYP	TYPICAL
INV	INVERT	UG	UNDERGROUND
IRR.	IRRIGATION	UGE	UNDERGROUND ELECTRIC
LP	LIGHT POLE	W	WATER
MH	MANHOLE	W/	WITH
MIN	MINIMUM	WCR	WHEEL CHAIR RAMP
N	NORTHING	WM	WATER METER
O.D	OUTSIDE DIAMETER	WV	WATER VALVE

SHEET INDEX

NOT FOR CONSTRUCTION

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED PROFESSIONAL ENGINEER
15768
OREGON
JAN. 21, 1982
MATTHEW J. DOLAN
EXPIRATION DATE: 12/31/15

PROJECT NUMBER: 1217
DRAWN BY: TR | REVIEWED BY: DD

PHASE: 100% CD

ISSUE DATE: 03-06-2015

REVISIONS:

COVER SHEET

C01

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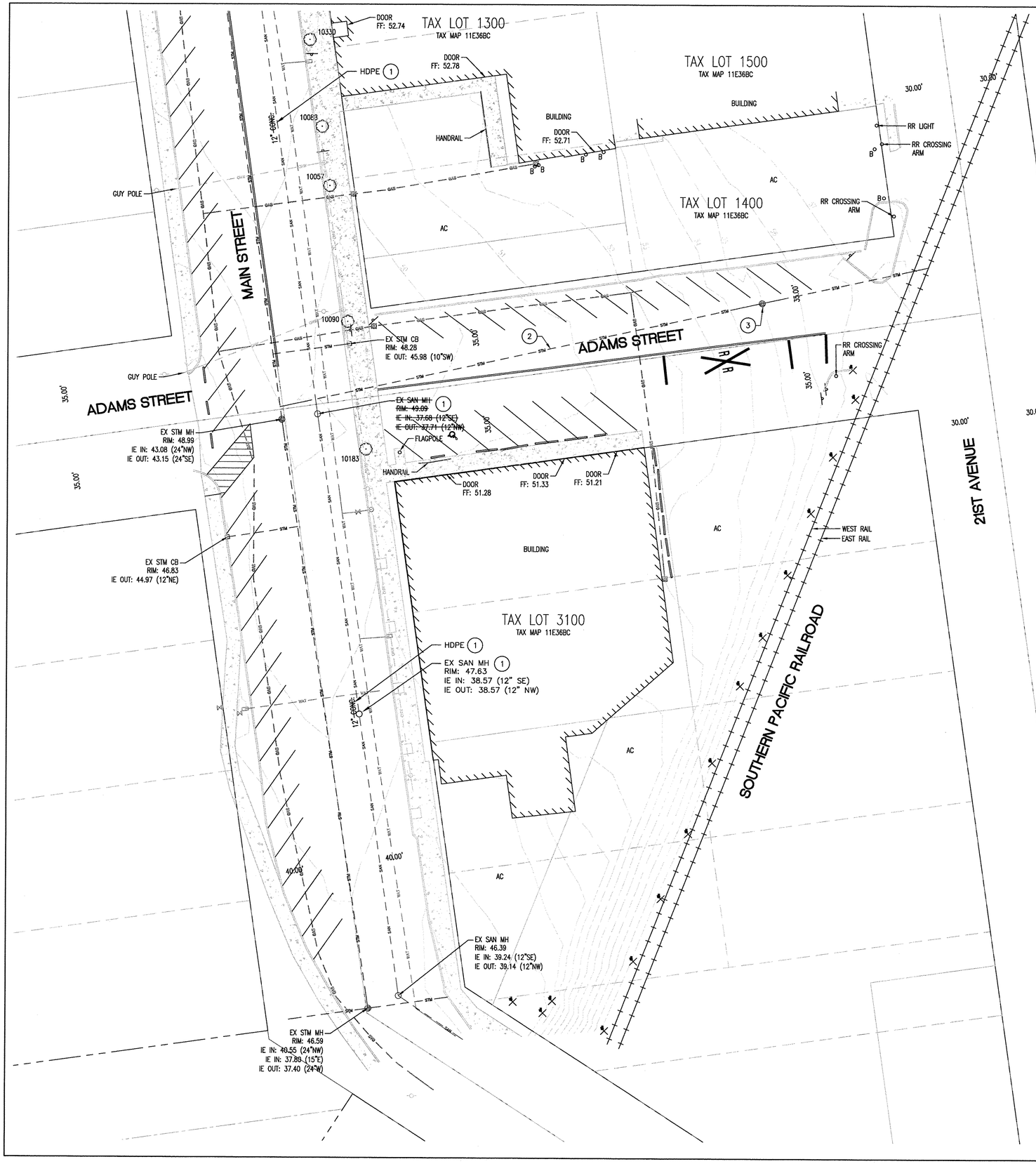

LEGEND

	EXISTING		EXISTING
DECIDUOUS TREE		STORM SEWER CLEAN OUT	
CONIFEROUS TREE		STORM SEWER CATCH BASIN	
FIRE HYDRANT		STORM SEWER MANHOLE	
WATER BLOWOFF		GAS METER	
WATER METER		GAS VALVE	
WATER VALVE		GUY WIRE ANCHOR	
DOUBLE CHECK VALVE		POWER POLE	
AIR RELEASE VALVE		POWER VAULT	
SANITARY SEWER CLEAN OUT		POWER JUNCTION BOX	
SANITARY SEWER MANHOLE		POWER PEDESTAL	
SIGN		COMMUNICATIONS VAULT	
STREET LIGHT		COMMUNICATIONS JUNCTION BOX	
MAILBOX		COMMUNICATIONS RISER	
		BOLLARD	

	EXISTING
RIGHT-OF-WAY LINE	
BOUNDARY LINE	
PROPERTY LINE	
CENTERLINE	
DITCH	
CURB	
EDGE OF PAVEMENT	
EASEMENT	
FENCE LINE	
GRAVEL EDGE	
POWER LINE	
OVERHEAD WIRE	
COMMUNICATIONS LINE	
FIBER OPTIC LINE	
GAS LINE	
STORM SEWER LINE	
SANITARY SEWER LINE	
WATER LINE	

KEY NOTES:

(1) INFORMATION PROVIDED BY THE CITY OF MILWAUKIE BASED ON A RECENTLY FINISHED SANITARY SEWER PROJECT. WORK WAS COMPLETED AFTER THE SURVEY COMPLETION DATE. FIELD VERIFY EXISTING CONDITIONS.

(2) APPROXIMATE LOCATION OF EXISTING SEWER LINE BASED ON TRIMET CONSTRUCTION DOCUMENTS, OCTOBER 2013.

(3) APPROXIMATE LOCATION OF PROPOSED MANHOLE BASED ON TRIMET IMPROVEMENTS, OCTOBER 2013.

NOTES:

1. UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. FIELD WORK WAS CONDUCTED JUNE 28-29, 2012.
3. HORIZONTAL DATUM: LDP BASED UPON OREGON STATE PLANE, NORTH ZONE (NAD83(98)) SCALED BY A FACTOR OF 1.0000935009. HELD FOUND CONTROL POINTS SET BY DAVID EVANS AND ASSOCIATES INC. DURING SURVEY NUMBER 2004-087, CLACKAMAS COUNTY SURVEY RECORDS.
4. VERTICAL DATUM: ELEVATIONS ARE BASED ON OSHD BENCHMARK NO. K679 AT THE SW CORNER OF THE KELLOGG CREEK BRIDGE HEADWALL WITH A NAVD88 ELEVATION OF 34.56 FEET.
5. THIS MAP DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY.
6. SURVEY IS ONLY VALID WITH SURVEYOR'S STAMP AND SIGNATURE.
7. BUILDING FOOTPRINTS ARE MEASURED TO SIDING UNLESS NOTED OTHERWISE. CONTACT SURVEYOR WITH QUESTIONS REGARDING BUILDING TIES.
8. CONTOUR INTERVAL IS 1 FOOT.
9. ONLY TREES HAVING A DIAMETER OF 5" AND GREATER, MEASURED AT BREAST HEIGHT, WERE SURVEYED AT THIS TIME.

TREE TABLE

TREE NO.	SPECIES	DBH(IN.)
10057	MAPLE	6
10083	MAPLE	9
10090	MAPLE	6
10183	MAPLE	5
10330	MAPLE	7

SCALE 1" = 20 FEET

NOT FOR CONSTRUCTION

City of Milwaukie
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Adams Street Connector

City of Milwaukie, Oregon

SHEET NOTES:

1. SURVEY PROVIDED BY THE CITY OF MILWAUKIE. ACTUAL CONDITIONS MAY VARY. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF RECORD 48 HOURS AHEAD OF CONSTRUCTION IF ANY DISCREPANCIES OCCUR.

PROJECT NUMBER: 1217

DRAWN BY: TR | REVIEWED BY: DD

PHASE: 100% CD

ISSUE DATE: 03-06-2015

REVISIONS:

EXISTING CONDITIONS

C02

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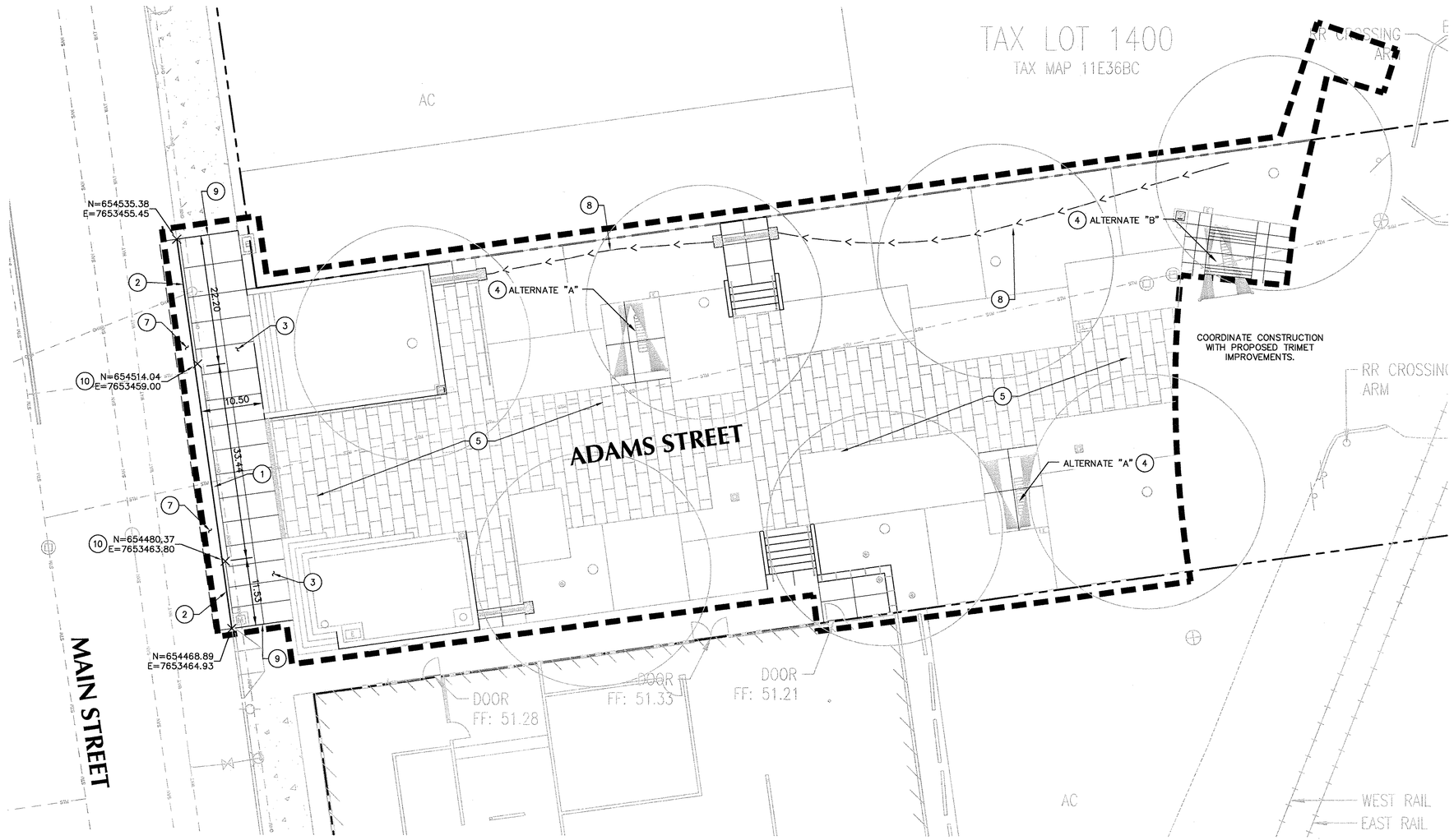

KEY NOTES:

1. CONSTRUCT MOUNTABLE CURB FOR EMERGENCY ACCESS. (2/C06)
2. CONSTRUCT STANDARD CURB PER CITY OF MILWAUKIE DETAIL 501.
3. CONSTRUCT CURB TIGHT SIDEWALK PER CITY OF MILWAUKIE DETAIL 504.
4. SEE LANDSCAPE PLANS FOR DETAILING OF LANTERNS AND BENCHES.
5. SEE LANDSCAPE PLANS FOR DIMENSIONING OF ADAMS STREET.
6. NOT IN USE.
7. CONSTRUCT STREET PATCH IN AREA SHOWN CONSISTING OF 6" OF ASPHALT CONCRETE PLACED IN 2-3" LIFTS OVER 12" OF CLASS "B" BACKFILL.
8. DIVERSION SWALE, SEE GRADING PLAN C04 AND LANDSCAPE PLANTING PLAN.
9. MATCH EXISTING SIDEWALK.
10. TRANSITION FROM REGULAR CURB TO MOUNTABLE CURB. (3/C06)

LEGEND

- ALTERNATE BOUNDARY
- PROPERTY LINE
- SAWCUT LINE
- PERMEABLE PAVERS, SEE LANDSCAPE

SHEET NOTES:

1. SEE SHEET L01 FOR SITE DEMOLITION.

SCALE
10 0 10 20
1 INCH = 10 FEET

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Plotted: 3/13/15 at 2:42pm By: scott
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REGISTERED PROFESSIONAL ENGINEER
15768
OREGON
JAN. 21, 1982
MATTHEW J. DOLAN
EXPIRATION DATE: 12/31/15

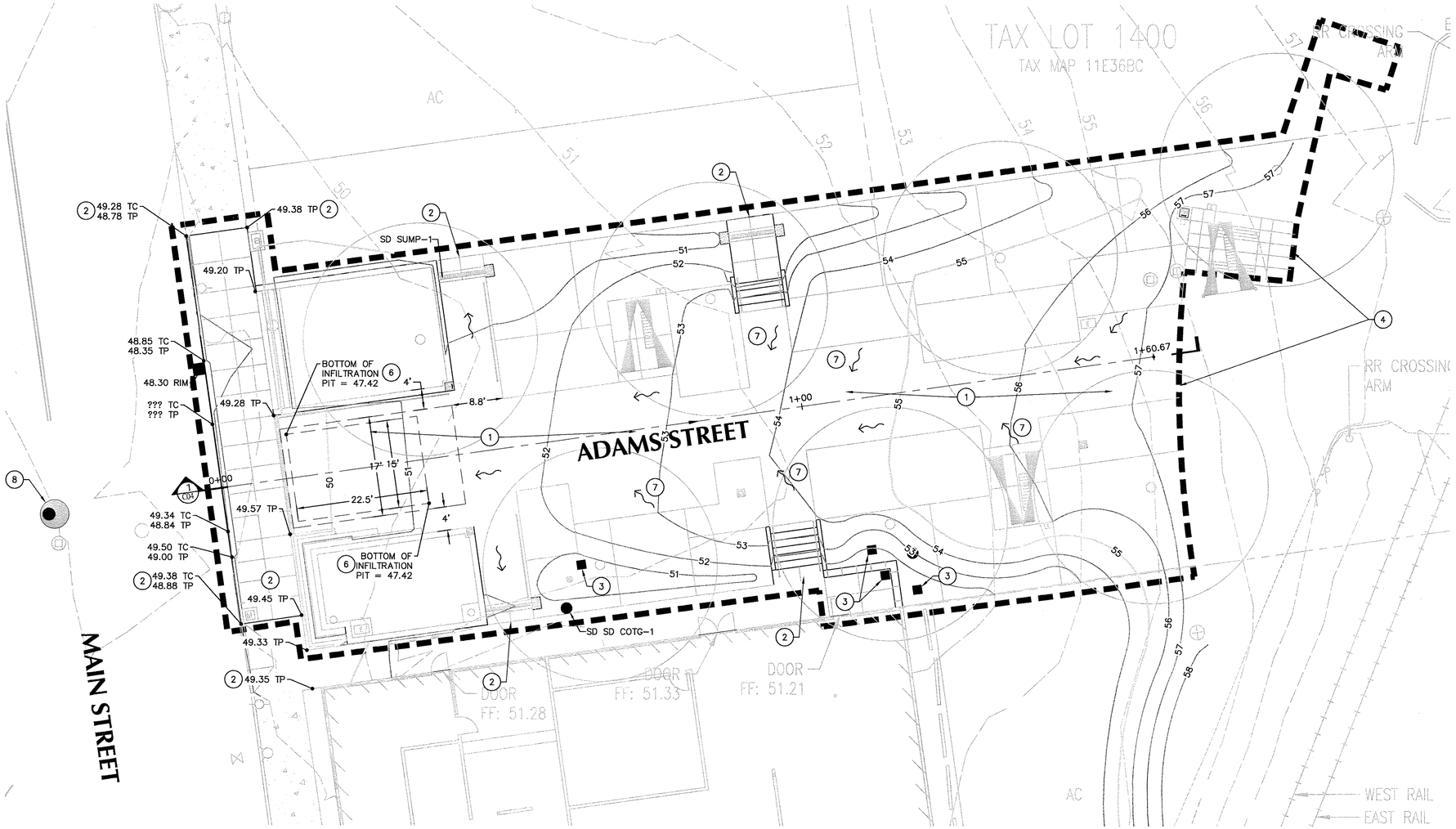
Adams Street Connector

City of Milwaukie, Oregon

PROJECT NUMBER:	1217
DRAWN BY: TR	REVIEWED BY: DD
PHASE:	100% CD
ISSUE DATE:	03-06-2015
REVISIONS:	

SITE PLAN

C03



KEY NOTES:

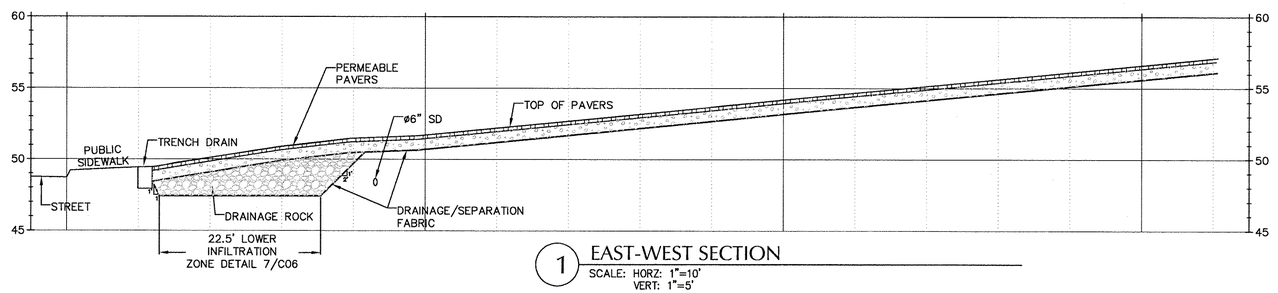
1. SEE LANDSCAPE PLANS FOR DETAILED PLAZA GRADING.
2. MATCH EXISTING GRADE.
3. SEE LANDSCAPE PLANS FOR FINAL STRUCTURE RIM ELEVATION.
4. MATCH GRADES WITH ADJACENT TRIMET WORK.
5. MATCH EXISTING GRADE WITHOUT EXCEEDING THE MAX. 2% CROSS SLOPE OF LANDING AREA.
6. SEE DETAIL 7/C06 FOR TYPICAL PERMEABLE PAVER SECTION.
7. SLOPE SUB-BASE OF PERMEABLE PAVER SECTION TOWARDS INFILTRATION AREA TO PROVIDE POSITIVE DRAINAGE, SEE DETAIL 5/C06 FOR TYPICAL DESIGN.
8. NEW STORM MANHOLE TO MATCH EXISTING GRADE.

SHEET NOTES:

1. CONTOURS SHOWN FOR ROUGH GRADE ONLY, SEE LANDSCAPE PLANS FOR DETAILED PLAZA GRADING.
2. CROSS SLOPE IN THE PEDESTRIAN ZONE SHALL BE 2% MAX.

LEGEND

SLOPE DIRECTION OF PERMEABLE SUB-BASE



1 EAST-WEST SECTION
SCALE: HORZ: 1"=10'
VERT: 1"=5'

SCALE
10 0 10 20
1 INCH = 10 FEET

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REVISIONS:

GRADING PLAN

C04

File: N:\cp\2012\312177-Adams-Street-Connector\CAD\PLOT\C04-grading plan.dwg TAB:C04
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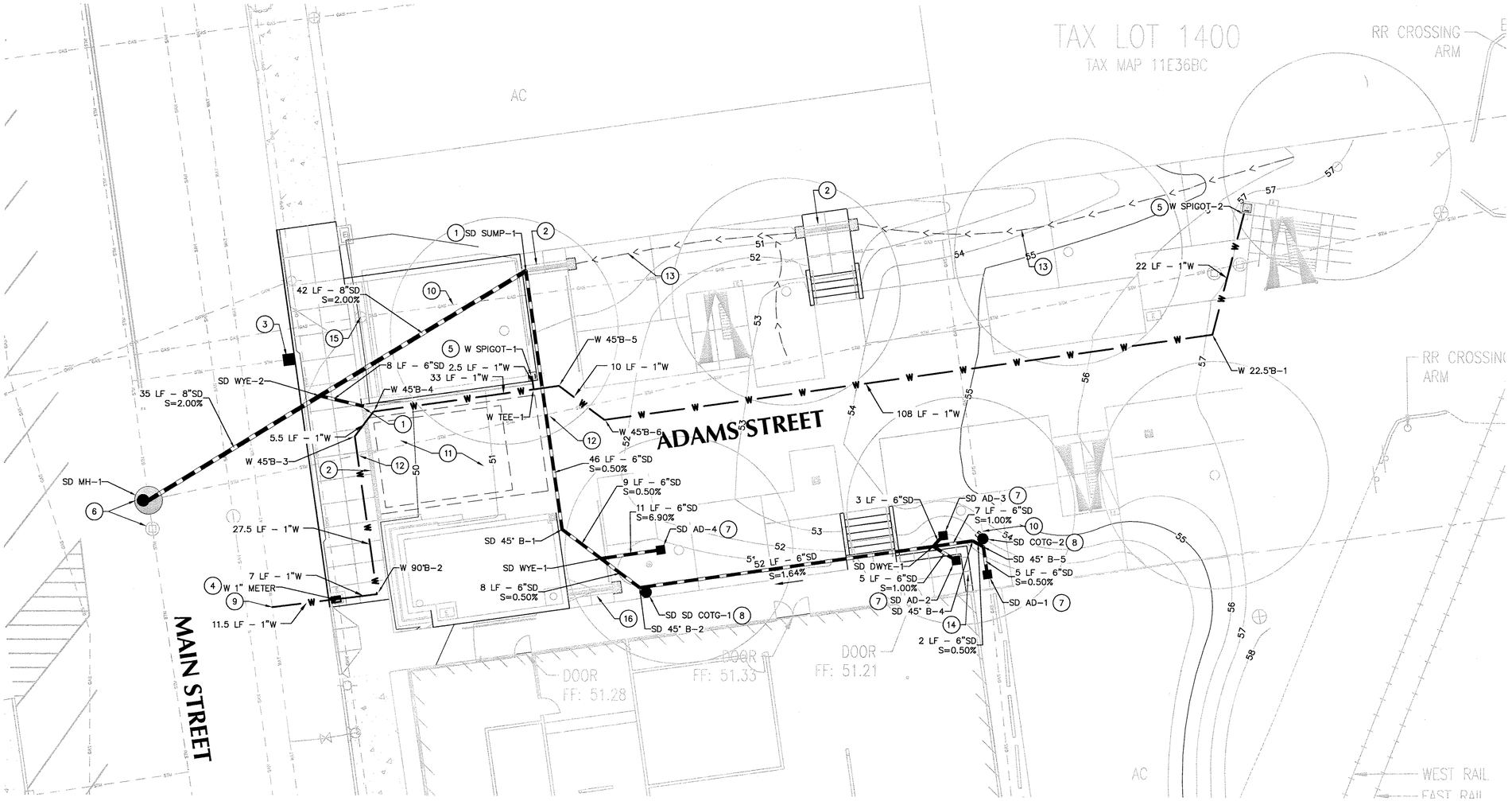

KEY NOTES:

1. CONNECT STORM DRAIN LINE WITH TRENCH DRAIN SUMP BASIN, SEE LANDSCAPE FOR DETAILS.
2. TRENCH DRAIN WITH MIN. 0.5% SLOPE, SEE LANDSCAPE FOR DETAILS.
3. G–2 CATCHBASIN PER CITY OF MILWAUKIE (COM) DETAIL 600.
4. 1" WATER SERVICE PER COM DETAIL 401.
5. WATER SPIGOT FOR PUBLIC CITY EVENTS. SEE LANDSCAPE DRAWINGS FOR DETAILS.
6. REMOVE EXISTING MANHOLE AND RECONNECT EXISTING PIPES TO PROPOSED MANHOLE MH–1, SEE COM DETAIL 611. CONNECT EXISTING AND PROPOSED INCOMING PIPES TO PROPOSED MANHOLE PER COM DETAIL 620. REUSE EXISTING MANHOLE LID IF POSSIBLE (COM DETAIL 618).
7. AREA DRAIN/INLET, SEE LANDSCAPE FOR DETAILS.
8. CLEANOUT TO GRADE, SEE DETAIL 1/C06.
9. TAP 1" DOMESTIC WATER LINE TO EXISTING PUBLIC WATER MAIN IN MAIN STREET, PER COM DETAIL 401.
10. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF GAS, COORDINATE WITH GAS COMPANY FOR RELOCATION OF GAS LINE IF NECESSARY.
11. INFILTRATION AREA, SEE C04.
12. ADJUST ALL EXISTING FLEXIBLE UTILITIES TO CLEAR EXISTING AND NEW GRAVITY DRAIN UTILITIES IF CONFLICT OCCURS.
13. SEE LANDSCAPE FOR DETAILED DRAINAGE GRADES.
14. CONNECT RETAINING WALL SUB DRAINAGE TO SITE DRAINAGE SYSTEM.
15. EXISTING NATURAL GAS VALVE TO BE RELOCATED WEST INTO SIDEWALK BY NW NATURAL. CONTRACTOR TO COORDINATE RELOCATION.
16. DAYLIGHT TRENCHDRAIN TO LANDSCAPE

LEGEND

- PROPOSED STORM DRAIN LINE, SEE 4/C06
- PROPOSED DIVERSION SWALE
- PROPOSED STORM DRAIN PERF PIPING
- PROPOSED WATER LINE, SEE 4/C06
- OVERFLOW STRUCTURE
- WATER METER
- STORM DRAINAGE OUTFALL
- PROPOSED CATCH BASIN
- PROPOSED LANDSCAPE DRAIN, SEE LANDSCAPE.
- PROPOSED CLEAN OUT
- ALTERNATE GAS ROUTING
- STORM DRAINAGE MANHOLE

(SD) STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING	IE
45° B–1	654482.74	7653505.70	48.23
45° B–2	654472.52	7653519.32	48.32
45° B–4	654480.90	7653577.77	49.73
45° B–5	654479.86	7653579.65	49.74
DWYE–1	654479.91	7653570.85	49.17 49.17 49.17
WYE–1	654477.61	7653512.54	48.27 48.27
WYE–2	654506.18	7653463.10	46.99 47.07

(W) STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING	IE
1" METER	654470.31	7653466.03	
22.5°B–1	654517.26	7653619.79	
45°B–3	654499.04	7653469.26	
45°B–4	654503.40	7653472.54	
45°B–5	654508.04	7653505.09	
45°B–6	654502.05	7653513.08	
90°B–2	654471.27	7653473.20	
SPIGOT–1	654509.64	7653500.33	
SPIGOT–2	654538.58	7653625.25	
TEE–1	654507.41	7653500.65	

(SD) STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING	RIM ELEVATION	INVERT ELEVATIONS
AD–1	654474.94	7653580.35	*	IE 6"(OUT) = 49.77 (N)
AD–2	654477.47	7653574.82	*	IE 6"(OUT) = 49.21 (NW)
AD–3	654481.82	7653572.52	*	IE 6"(OUT) = 49.22 (SW)
AD–4	654479.19	7653522.95	*	IE 6"(OUT) = 49.00 (W)
MH–1	654487.67	7653433.09	55.25 **	IE 8"(IN) = 46.28 (NE) IE 24"(OUT) = 43.11 (S) IE 24"(IN) = 43.11 (N) IE 12"(IN) = 43.10 (E)
SUMP–1	654528.24	7653499.22	*	IE 6"(IN) = 48.00 (S) IE 8"(OUT) = 47.83 (SW)

* = SEE LANDSCAPE PLANS FOR FINAL RIM ELEVATION
** = MATCH EXISTING GRADE

SCALE
10 0 10 20
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REVISIONS:

UTILITY PLAN

C05

File: N:\c\p\2012\312177-Adams-Street-Connector\CAD\PLOT\C05-utility plan.dwg TAB:C05
Plotted: 3/5/15 at 3:53pm By: scott
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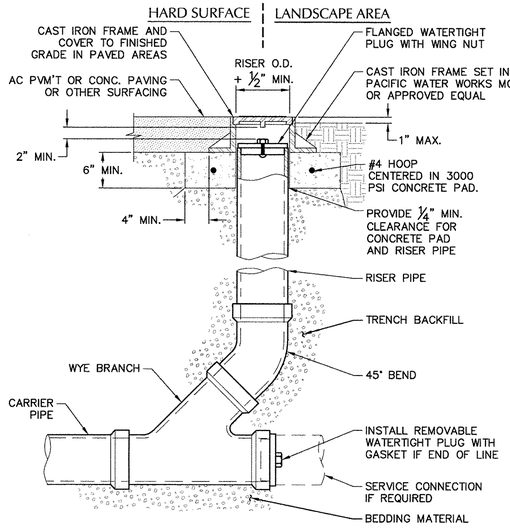
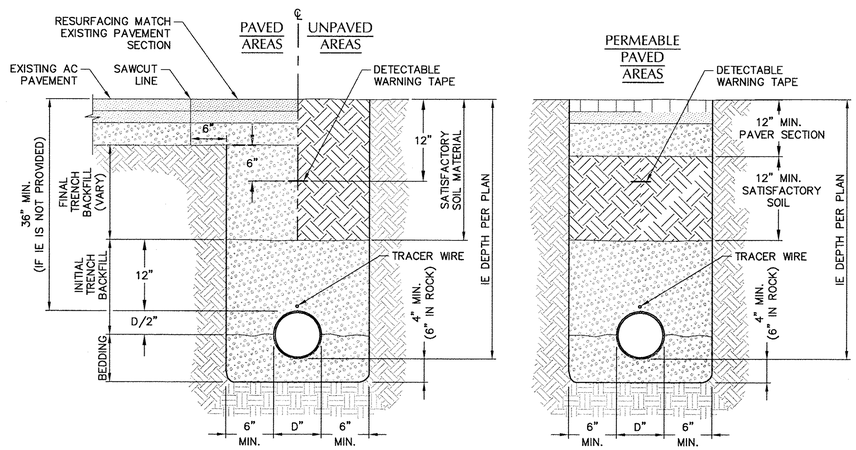
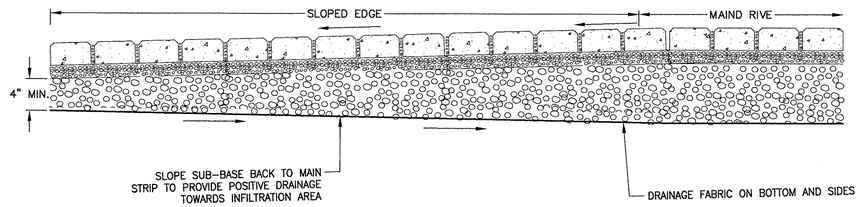


NOTES:
1. CAST IRON FRAME AND COVER SHALL MEET H-20 LOAD REQUIREMENT.
2. FOR CARRIER PIPE SIZE 10"Ø AND LESS, PROVIDE RISER PIPE SIZE TO MATCH CARRIER PIPE.
3. FOR CARRIER PIPE SIZE 12"Ø AND LARGER, RISER PIPE SHALL BE 10"Ø.
4. RISER PIPE MATERIAL TO MATCH CARRIER PIPE MATERIAL.

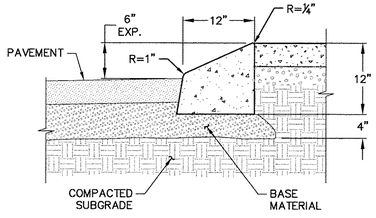
1 STANDARD CLEANOUT (COTG)
SCALE: NTS



4 TYPICAL PIPE BEDDING AND BACKFILL
SCALE: NTS

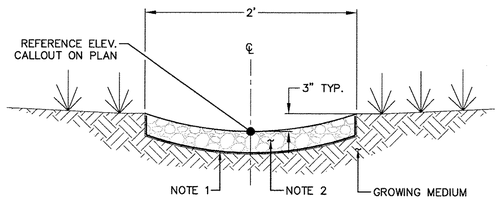


5 SLOPED SUB-BASE
SCALE: NTS



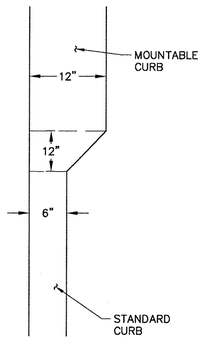
NOTES:
1. CONCRETE SHALL BE 3300 PSI.
2. INSTALL CONTRACTION AND EXPANSION JOINTS AT SPECIFIED DISTANCE.

2 CONCRETE CURB - MOUNTABLE
SCALE: NTS

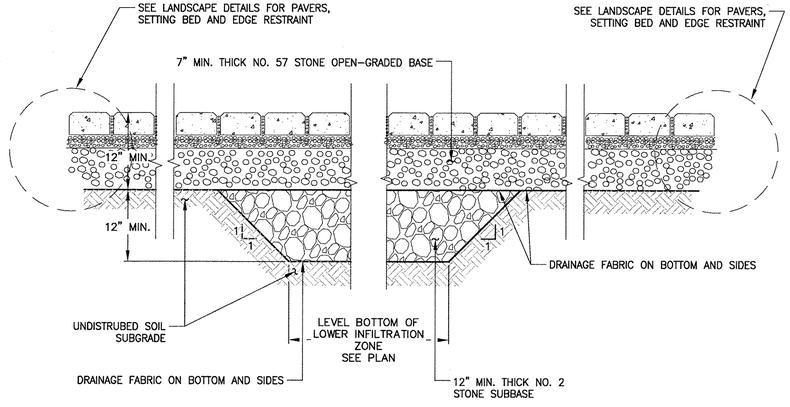


NOTE:
1. 30 MIL IMPERMEABLE PVC LINER.
2. 4" THICK LAYER OF DECORATIVE RIVER ROCK.

6 SWALE PROTECTION
SCALE: NTS



3 CURB TRANSITION
SCALE: NTS



NOTES:
1. SEE PLAN FOR LAYOUT DIMENSIONS AND PROJECT SPECIFIC ELEMENTS.

7 TYP. PERMEABLE PAVER SECTION
SCALE: NTS

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Adams Street Connector

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DETAILS

C06

File: N:\e\e\2012\312177-Adams-Street-Connector\CAD\PLOT\C06-details.dwg TAB:C06
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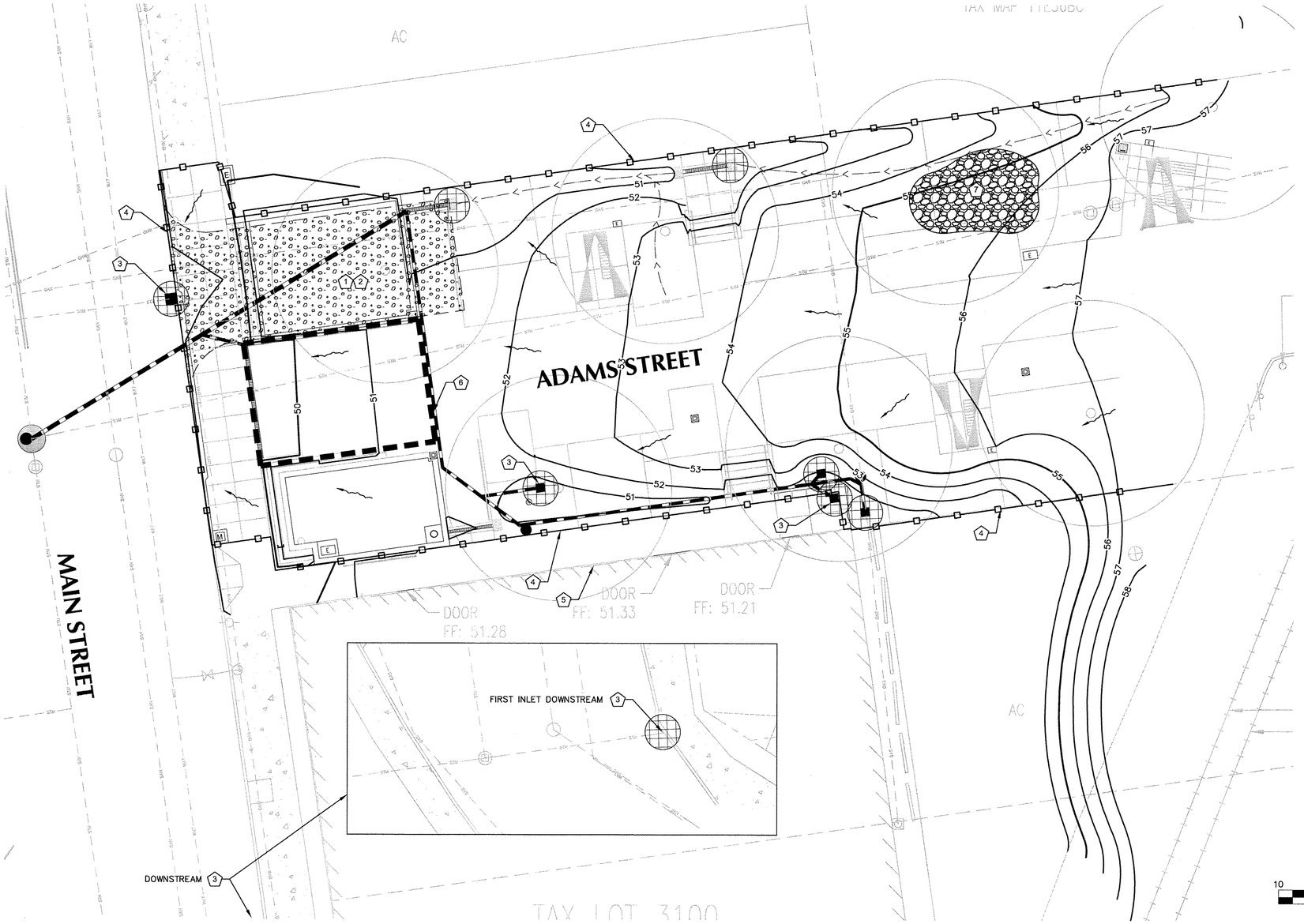

ESC KEYNOTES:

1. CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AREA FOR DURATION OF CONSTRUCTION. SUGGESTED LOCATION IS ALONG CONSTRUCTION ENTRANCE – CONTRACTOR TO COORDINATE.
2. CONSTRUCT GRAVEL CONSTRUCTION ENTRANCE — 3 C8.00
3. INSTALL INLET PROTECTION (TYPICAL) — 1 C8.00
4. INSTALL SEDIMENT FENCE — 2 C8.00
5. EXISTING BUILDING OUTLINE
6. DURING CONSTRUCTION, PROTECT SUBGRADE OF INFILTRATION AREA FROM COMPACTION WITH A CONSTRUCTION FENCE ERECTED AROUND THE AREA.
7. EXCAVATION STOCKPILE LOCATION TO BE DETERMINED BY CONTRACTOR.

DISTURBED AREA

DISTURBED LIMITS = APPROXIMATELY 0.31 ACRES

SHEET LEGEND

- GRAVEL CONSTRUCTION ENTRANCE
- EXCAVATION STOCKPILE LOCATION
- INLET PROTECTION
- SEDIMENT FENCE
- EXISTING DRAINAGE FLOW DIRECTION ARROWS

EPSC SHEET NOTES:

1. ALL EROSION PREVENTION MEASURES SHALL BE IN PLACE, FUNCTIONAL AND APPROVED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL MAINTAIN ALL SOIL EROSION AND SITE DRAINAGE FACILITIES THROUGHOUT CONSTRUCTION.
2. ALTERNATIVE SEDIMENT CONTROLS MUST PROVIDE A DISCHARGE THAT IS CLEAN AND FREE OF SEDIMENT, SURFACTANTS, AND OTHER POLLUTANTS PRIOR TO ENTERING INTO THE STORM SYSTEM. APPROVAL OF ALTERNATIVE SEDIMENT CONTROLS BY THE CITY OF MILWAUKIE WASTEWATER DIVISION MANAGER IS REQUIRED PRIOR TO INSTALLATION.
3. WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES SHALL BE DEVELOPED, MAINTAINED, AND IMPLEMENTED BY THE CONSTRUCTION SITE.
4. GENERAL CONSTRUCTION ENTRANCES MUST BE INSTALLED AT THE START OF CONSTRUCTION ACTIVITIES TO PREVENT TRACKING OF DIRT AND DEBRIS. UPON INSTALLATION OF GRAVEL CONSTRUCTION ENTRANCES, THE INITIAL ECS INSPECTION MAY BE PERFORMED.
5. DUMPING OR DISPOSAL OF SPOIL MATERIALS INTO ANY STREAM CORRIDOR, WETLANDS, SURFACE WATERS OR ON ANY PUBLIC OR PRIVATE PROPERTY NOT SPECIFIED FOR SAID PURPOSED IS PROHIBITED.
6. SEDIMENTS AND POLLUTANTS SHALL NOT BE WASHED INTO STORM SEWERS, DRAINAGE WAYS OR WATER BODIES. DRY SWEEPING SHALL BE IMPLEMENTED TO CLEAN UP CONSTRUCTION AREAS TO PREVENT RELEASE OF SEDIMENTS INTO THE STORM SYSTEM.
7. SEDIMENT LADEN WATER SHALL BE PUMPED THROUGH AN APPROVED SEDIMENT CONTROL BMP, AND THEN DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA. DISCHARGE OVER A HARD IMPERVIOUS AREA SUCH AS ASPHALT PAVEMENT, IS PROHIBITED.
8. DISPOSAL OF SEDIMENT LADEN WATER INTO THE WASTEWATER SYSTEM IS PROHIBITED, UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE CITY OF MILWAUKIE WASTEWATER DIVISION MANAGER. SEDIMENT LADEN WATER SHALL BE PUMPED THROUGH AN APPROVED SEDIMENT CONTROL BMP PRIOR TO DISPOSAL INTO THE WASTEWATER SYSTEM.
9. ALL CATCH BASIN LOCATIONS IDENTIFIED IN THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN SHALL HAVE SEDIMENT PREVENTION BMP'S INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SEDIMENT ACCUMULATION AT ANY BMP LOCATIONS SHALL NOT EXCEED 1" IN DEPTH.
10. SAWCUTTING SLURRY AND DEBRIS SHALL BE VACUUMED AND REMOVED FROM ALL IMPERVIOUS SURFACES. VACUUMED SAWCUTTING SLURRY SHALL BE PROPERLY DISPOSED OF AND NOT DISCHARGED INTO THE STORM SYSTEM.
11. WATERTIGHT TRUCKS SHALL BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE.
12. TEMPORARY STABILIZATION AND COVERING OF SOIL STOCKPILES SHALL OCCUR AT THE END OF EACH WORK DAY.
13. ALL TOXIC OR HAZARDOUS MATERIALS SHALL BE PROPERLY STORED, APPLIED AND, DISPOSED.
14. AN AREA SHALL BE DESIGNATED FOR WASHING OUT CONCRETE TRUCKS SUCH THAT RUNOFF FROM THE WASH DOES NOT ENTER THE STORM SYSTEM.
15. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE WASHED TO THE STORM SYSTEM. SWEEPINGS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN THE TRASH.
16. PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUNOFF INTO THE STORM SYSTEM IS PROHIBITED.
17. CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS SHALL BE COVERED WHEN APPLYING PAVEMENT SURFACING MATERIALS TO PREVENT INTRODUCTION OF THESE MATERIALS INTO THE STORM SYSTEM.
18. TRACKING OF DIRT AND DEBRIS ONTO IMPERVIOUS SURFACES, SUCH AS STREETS AND PARKING LOTS, IS PROHIBITED. IMPERVIOUS SURFACES SHALL BE KEPT FREE OF DIRT AND DEBRIS AT THE END OF EACH WORK DAY OR SOONER IF IT CAN BE SPREAD BY TRAFFIC OR CAN ENTER THE STORM SYSTEM.
19. GRAVEL OR DIRT CURB RAMPS ARE PROHIBITED. ONLY WOOD STEP STYLE CURB RAMPS ARE ALLOWED.
20. UPON COMPLETION OF SITE RESTORATION AND APPROVAL FROM THE CITY OF MILWAUKIE ENGINEERING DIRECTOR, ALL TEMPORARY EROSION CONTROL MEASURES MAY BE REMOVED.

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REVISIONS:

EROSION CONTROL PLAN

C07

File: N:\c\p\2012_312177-Adams-Street-Connector\CAD\PLOT\C07-ESC plan.dwg TAB:C07
Plotted: 3/6/15 at 3:54pm By: scott
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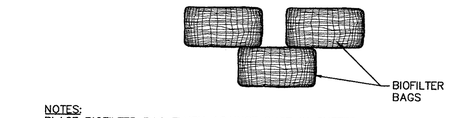
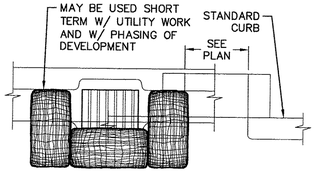
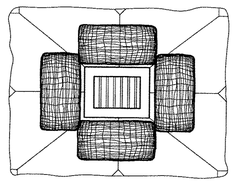


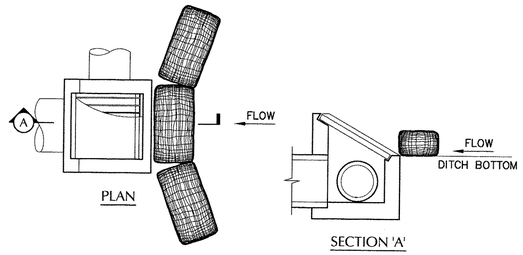
NOTES:
PLACE BIOFILTER BAG FLUSH AGAINST CURB IN GUTTER

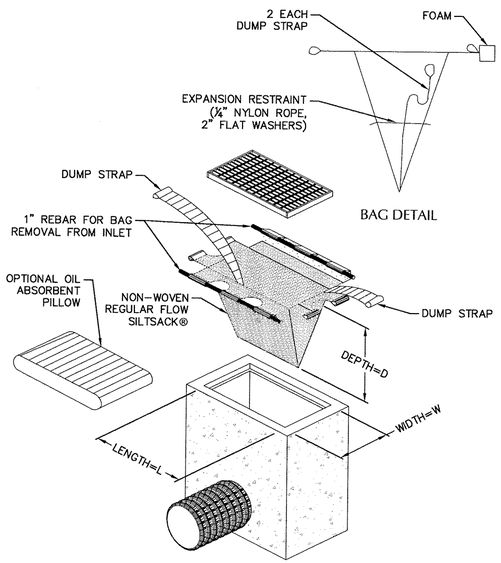


LAYOUT AT CATCH BASIN

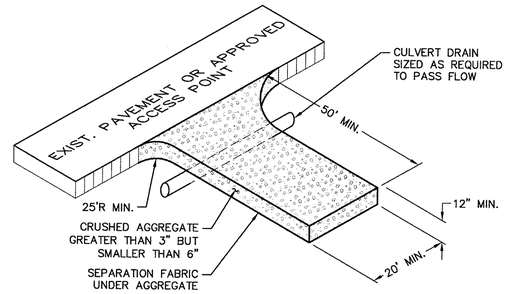


LAYOUT AT AREA DRAIN



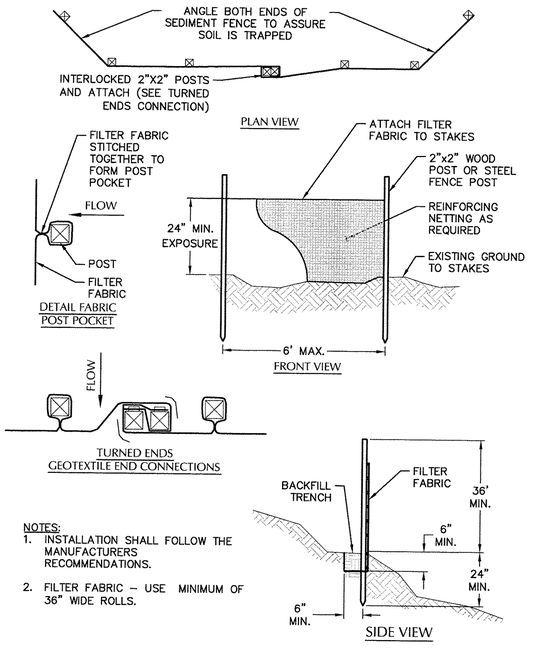


1 INLET SEDIMENT PROTECTION
SCALE: NTS



NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
5. DIMENSIONS: 50' LONG BY 20' WIDE 3-6" CLEAN ROCK, GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.
6. ADJUST CONSTRUCTION ENTRANCE DIMENSIONS FOR SITE CONSTRAINTS.

3 CONSTRUCTION ENTRANCE
SCALE: NTS



NOTES:
1. INSTALLATION SHALL FOLLOW THE MANUFACTURERS RECOMMENDATIONS.
2. FILTER FABRIC – USE MINIMUM OF 36" WIDE ROLLS.

2 SEDIMENT FENCE
SCALE: NTS

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Adams Street Connector

City of Milwaukie, Oregon

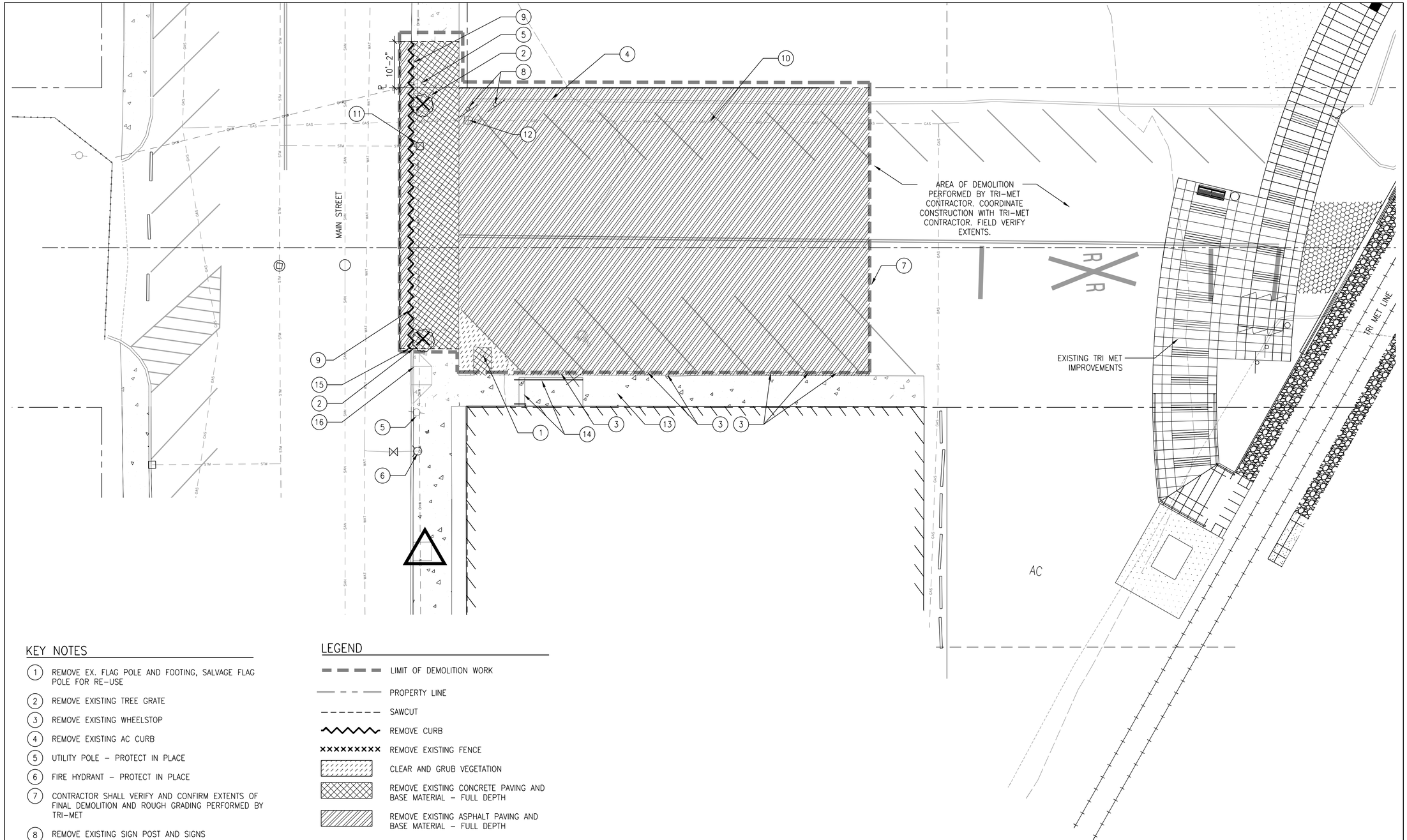
REGISTERED PROFESSIONAL ENGINEER
15768
OREGON
JAN. 21, 1982
MATTHEW J. DOLAN
EXPIRATION DATE: 12/31/15

PROJECT NUMBER: 1217
DRAWN BY: TR
REVIEWED BY: DD
PHASE: 100% CD
ISSUE DATE: 03-06-2015
REVISIONS:

EROSION CONTROL NOTES & DETAILS

C08

File: N:\c\p\2012_312177-Adams-Street-Connector\CAD\PLOT\C07-ESC plan.dwg TAB:C08
Plotted: 3/5/15 at 3:55pm By: scott
XREFs: 1217_TB24x36 1217_DES 2177-xsv 2177-xgd 2177-xut



KEY NOTES

1. REMOVE EX. FLAG POLE AND FOOTING, SALVAGE FLAG POLE FOR RE-USE
2. REMOVE EXISTING TREE GRATE
3. REMOVE EXISTING WHEELSTOP
4. REMOVE EXISTING AC CURB
5. UTILITY POLE – PROTECT IN PLACE
6. FIRE HYDRANT – PROTECT IN PLACE
7. CONTRACTOR SHALL VERIFY AND CONFIRM EXTENTS OF FINAL DEMOLITION AND ROUGH GRADING PERFORMED BY TRI-MET
8. REMOVE EXISTING SIGN POST AND SIGNS
9. REMOVE CURB
10. EX. GAS LINE – PROTECT IN PLACE
11. REMOVE CATCH BASIN
12. EX. NATURAL GAS EQUIPMENT TO BE RELOCATED BY NW NATURAL. COORDINATE CONSTRUCTION WITH NW NATURAL CONTRACTOR. – PROTECT IN PLACE
13. EX. CONCRETE SIDEWALK TO REMAIN – PROTECT IN PLACE
14. EX. CONCRETE STAIRS AND RAILING TO REMAIN – PROTECT IN PLACE
15. SAWCUT AT EXISTING CURB RAMP
16. EX. ADA CURB RAMP TO REMAIN – PROTECT IN PLACE

LEGEND

- LIMIT OF DEMOLITION WORK
- PROPERTY LINE
- SAWCUT
- REMOVE CURB
- REMOVE EXISTING FENCE
- CLEAR AND GRUB VEGETATION
- REMOVE EXISTING CONCRETE PAVING AND BASE MATERIAL – FULL DEPTH
- REMOVE EXISTING ASPHALT PAVING AND BASE MATERIAL – FULL DEPTH
- PROTECT EXISTING TREE TO REMAIN
- REMOVE EXISTING TREE

0 2 5 10 20
SCALE: 1" = 10'-0"

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Adams Street Connector

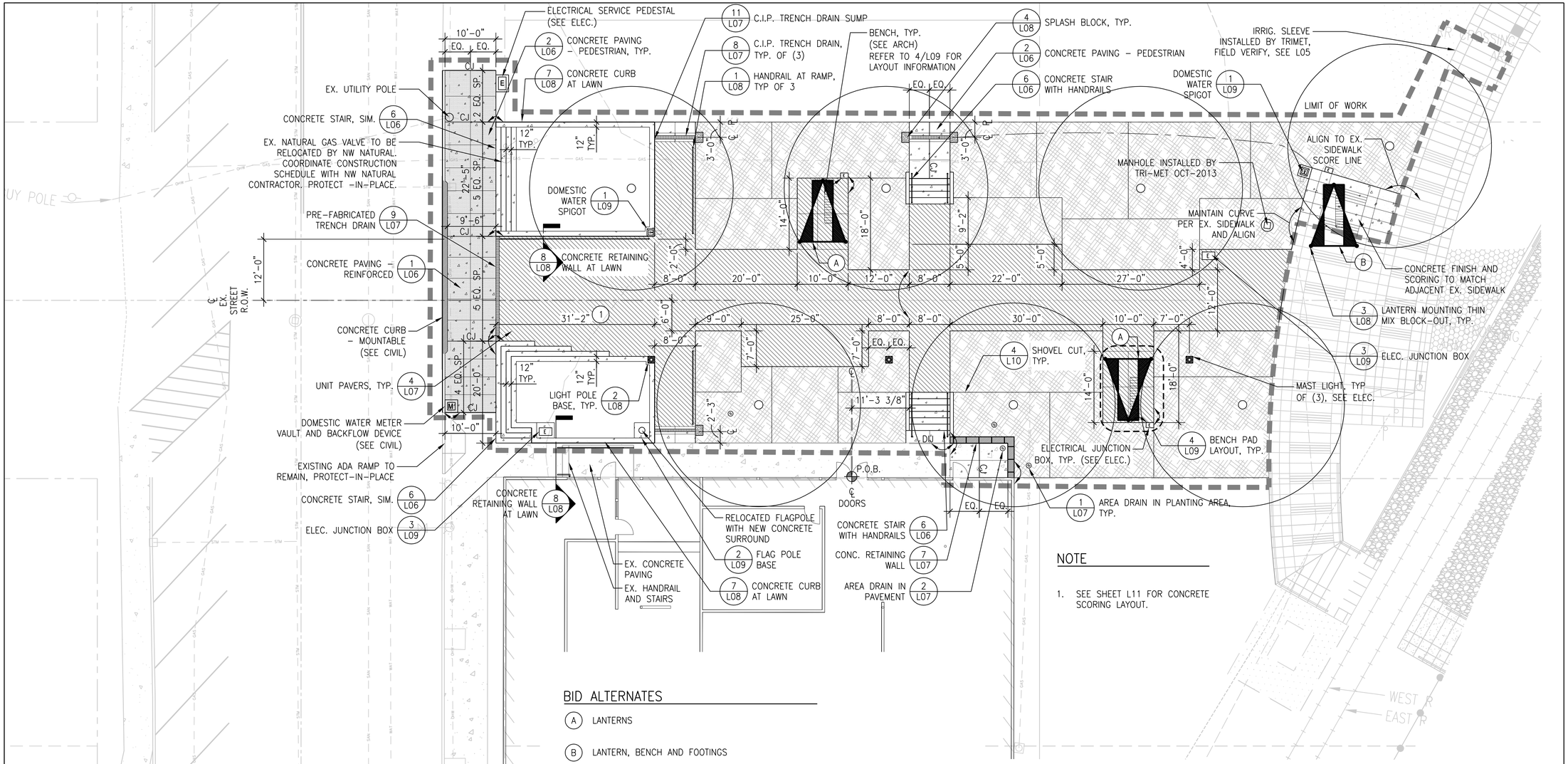
City of Milwaukie, Oregon

REGISTERED 222 MICHAEL W. ZILIS 10/16/2008 OREGON LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
DRAWN BY: CM
REVIEWED BY: CM
PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

DEMOLITION PLAN

L01



NOTE

1. SEE SHEET L11 FOR CONCRETE SCORING LAYOUT.

BID ALTERNATES

(A) LANTERNS

(B) LANTERN, BENCH AND FOOTINGS

LEGEND

- LIMIT OF WORK
- CONCRETE PAVING – REINFORCED, REFER TO DETAIL 1/L06.
- CONCRETE PAVING – PEDESTRIAN, REFER TO DETAIL 2/L06.
- IRRIGATED PLANTING AREA
- UNIT PAVING
- CJ — CONTRACTION JOINT
- RETAINING WALL
- PROPOSED TREE
- BASELINE
- ℄ — CENTERLINE
- ALIGN
- P.O.B. (POINT OF BEGINNING)
- SPIGOT ENCLOSURE DOOR SIDE

SHEET NOTES

(1) DESIGN INTENT IS FOR STAIRS TO REMAIN LEVEL AND DISAPPEAR INTO RAMP SLOPE. FIELD VERIFY DIMENSIONS.

GENERAL NOTES

1. DO NOT SCALE FROM THE DRAWINGS. THE LOCATION OF FEATURES NOT SPECIFICALLY DIMENSIONED MAY NOT BE DETERMINED BY SCALE. IF CONFLICTS ARISE IN THE FIELD, CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION.
2. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDINGS, WALLS, CURBS, ETC., UNLESS OTHERWISE NOTED.
3. MAINTAIN A 20 FOOT CLEAR ZONE NORTH TO SOUTH BETWEEN ALL VERTICAL ELEMENTS FOR FIRE ACCESS.
4. MAINTAIN A MINIMUM 12 FOOT WIDE PAVING SURFACE ON CENTRAL WALKWAY.
5. STRUCTURAL FOOTINGS FOR LANTERNS IN BID ALT "A" ARE TO BE INSTALLED AS PART OF BASE BID WORK.

SCALE: 1" = 10'–0"

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City of Milwaukie, Oregon

REGISTERED 222
MICHAEL W. ZILIS
10/16/2008
OREGON
LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
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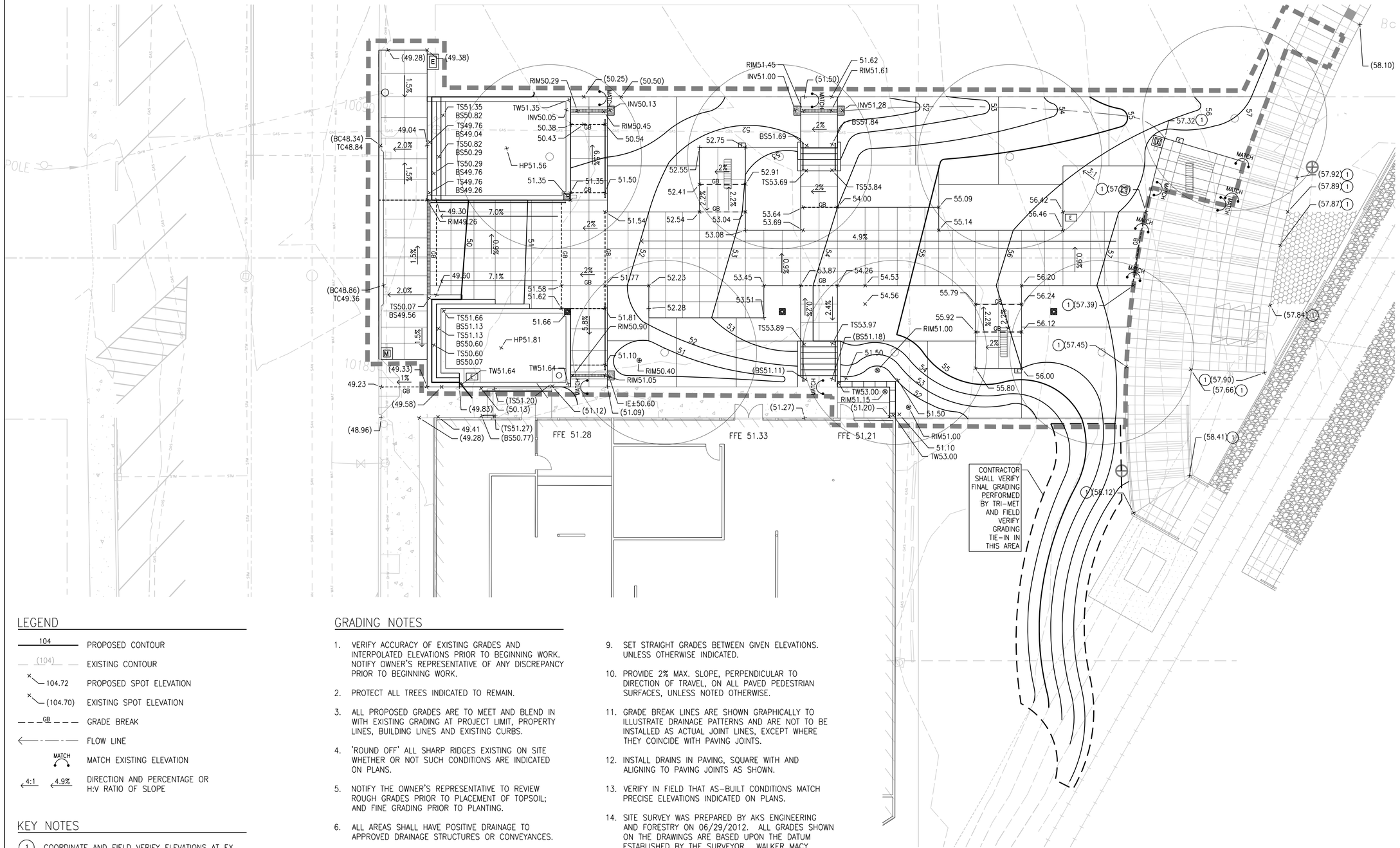
REVISIONS:

MATERIALS AND LAYOUT PLAN

L02



LEGEND

- 104 — PROPOSED CONTOUR
- (104) — EXISTING CONTOUR
- 104.72 — PROPOSED SPOT ELEVATION
- (104.70) — EXISTING SPOT ELEVATION
- GB — GRADE BREAK
- FLOW LINE
- MATCH — MATCH EXISTING ELEVATION
- 4:1 / 4.9% — DIRECTION AND PERCENTAGE OR H:V RATIO OF SLOPE

KEY NOTES

(1) COORDINATE AND FIELD VERIFY ELEVATIONS AT EX. SIDEWALK AND EMERGENCY VEHICLE ACCESS. CROSS SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION. IF THE EXISTING GRADES DIFFER FROM GRADES SHOWN ON PLANS, CONTRACTOR SHALL PROVIDE REVISED GRADING PLAN BASED ON EXISTING CONDITIONS FOR REVIEW AND ACCEPTANCE BY OWNER PRIOR TO CONSTRUCTION.

GRADING NOTES

1. VERIFY ACCURACY OF EXISTING GRADES AND INTERPOLATED ELEVATIONS PRIOR TO BEGINNING WORK. NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
2. PROTECT ALL TREES INDICATED TO REMAIN.
3. ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT, PROPERTY LINES, BUILDING LINES AND EXISTING CURBS.
4. 'ROUND OFF' ALL SHARP RIDGES EXISTING ON SITE WHETHER OR NOT SUCH CONDITIONS ARE INDICATED ON PLANS.
5. NOTIFY THE OWNER'S REPRESENTATIVE TO REVIEW ROUGH GRADES PRIOR TO PLACEMENT OF TOPSOIL; AND FINE GRADING PRIOR TO PLANTING.
6. ALL AREAS SHALL HAVE POSITIVE DRAINAGE TO APPROVED DRAINAGE STRUCTURES OR CONVEYANCES.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT 0.5% SLOPE, MINIMUM.
8. ALL WALKWAYS AND PAVED AREAS SHALL HAVE SMOOTH AND CONTINUOUS ELEVATION CHANGES.
9. SET STRAIGHT GRADES BETWEEN GIVEN ELEVATIONS. UNLESS OTHERWISE INDICATED.
10. PROVIDE 2% MAX. SLOPE, PERPENDICULAR TO DIRECTION OF TRAVEL, ON ALL PAVED PEDESTRIAN SURFACES, UNLESS NOTED OTHERWISE.
11. GRADE BREAK LINES ARE SHOWN GRAPHICALLY TO ILLUSTRATE DRAINAGE PATTERNS AND ARE NOT TO BE INSTALLED AS ACTUAL JOINT LINES, EXCEPT WHERE THEY COINCIDE WITH PAVING JOINTS.
12. INSTALL DRAINS IN PAVING, SQUARE WITH AND ALIGNING TO PAVING JOINTS AS SHOWN.
13. VERIFY IN FIELD THAT AS-BUILT CONDITIONS MATCH PRECISE ELEVATIONS INDICATED ON PLANS.
14. SITE SURVEY WAS PREPARED BY AKS ENGINEERING AND FORESTRY ON 06/29/2012. ALL GRADES SHOWN ON THE DRAWINGS ARE BASED UPON THE DATUM ESTABLISHED BY THE SURVEYOR. WALKER MACY ASSUMES NO RESPONSIBILITY FOR ACCURACY OF SURVEYED CONDITIONS AS SHOWN. SURVEY INFORMATION IS PROVIDED FOR REFERENCE ONLY. NOT ALL SURVEYED SPOT ELEVATIONS ARE SHOWN.

SCALE: 1" = 10'-0"

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED 222 MICHAEL W. ZILIS 10/16/1998 OREGON LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
DRAWN BY: CM | REVIEWED BY: CM

PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

DETAILED GRADING PLAN

L03

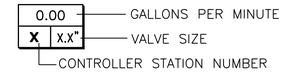
IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUF.	TYPE/MODEL	DTL/SHEET
P.O.C.	POINT OF CONNECTION	–	–	1/L12
⋈	ISOLATION VALVE	NIBCO	T-113 (LINE SIZE)	6/L12
▲	QUICK COUPLING VALVE	RAINBIRD	44 NP (1")	7/L12
A	IRRIGATION CONTROLLER	RAINBIRD	ESP-LXME (8)	2/L12
	PRESSURE-REGULATING REMOTE CONTROL VALVE	RAINBIRD	PEB-PRS-D (SIZE AS NOTED)	9/L12
M	DOMESTIC WATER METER AND BACKFLOW	(SEE CIVIL)	(SEE CIVIL)	(SEE CIVIL)
— — — —	MAINLINE (2")	PW EAGLE CRESLINE	SCH 40 PVC	5/L12
———	LATERAL LINE, SIZE PER CHART	PW EAGLE CRESLINE	CLASS 200 PVC	5/L12
E = = =	SLEEVE, SIZE 2 x PIPE DIA. 6" MIN.	PW EAGLE CRESLINE	CLASS 200 PVC	4/L12
— — — —	MAINLINE STUB-OUT	PW EAGLE CRESLINE	SCH 40 PVC IN STANDARD IRRIGATION CONTROL BOX	SIM. 9/L12
P	SPLICE BOX, PROVIDE (5) EXTRA CONTROL WIRES FOR FUTURE EXPANSION	CARSON PENTEK	STANDARD IRRIGATION CONTROL BOX	SIM. 9/L12

IRRIGATION SPRAY HEAD LEGEND

SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	DTL/SHEET
	HUNTER PROS-12-PRS40-MP-1000-90	.19	40	14'	8/L11
	HUNTER PROS-12-PRS40-MP-1000-180	.37	40	14'	
	HUNTER PROS-12-PRS40-MP-2000-90	.40	40	19'	
	HUNTER PROS-12-PRS40-MP-2000-180	0.74	40	19'	
	HUNTER PROS-12-PRS40-MP-3000-90	.86	40	30'	
	HUNTER PROS-12-PRS40-MP-3000-180	1.82	40	30'	
	HUNTER PROS-12-PRS40-MP-LCS515	.22	40	5'x15'	
	HUNTER PROS-12-PRS40-MP-LCS515	.22	40	5'x15'	

VALVE KEY



LATERAL LINE SIZING CHART

CLASS 200 PVC

3/4"	UP TO 10 GPM	2"	UP TO 55 GPM
1"	UP TO 16 GPM	2-1/2"	UP TO 80 GPM
1-1/2"	UP TO 35 GPM		

NOTE: VELOCITY THROUGH PIPE IS NOT TO EXCEED 4.5 FEET PER SECOND (FPS) IN ACCORDANCE WITH INDUSTRY STANDARD. PRESSURE LOSS DUE TO PIPE FRICTION IN ANY ONE CIRCUIT IS NOT TO EXCEED 10% OF AVAILABLE STATIC PRESSURE.

IRRIGATION NOTES

1. THE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES AFFECTING SYSTEM PERFORMANCE PRIOR TO BEGINNING WORK.
2. INSTALL IRRIGATION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
3. IRRIGATION LINES SHOWN WITHIN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY. IRRIGATION HEADS AND PIPES ARE TO BE PLACED WITHIN LANDSCAPED AREAS WITH THEIR LOCATIONS MODIFIED AS REQUIRED TO AVOID PLANT MATERIALS, UTILITIES AND OTHER OBSTRUCTIONS. PLACE LINES IN COMMON TRENCHES WHERE POSSIBLE.
4. COORDINATE ALL IRRIGATION WORK WITH OTHER TRADES INVOLVED. COORDINATE IRRIGATION P.O.C. AND LOCATION OF AUTOMATIC CONTROLLER.
5. ALL VALVE BOXES WILL BE PLACED IN A MANNER WHICH FACILITATES ACCESS FOR MAINTENANCE. LOCATE VALVE BOXES IN PLANTING AREAS WHEREVER POSSIBLE. SIZE BOXES TO ACCOMMODATE COMPLETE VALVE ASSEMBLY INCLUDING UNIONS.
6. ALL COMPONENTS OF IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE ADEQUATE COVERAGE AND ELIMINATE OVERSPRAY ONTO BUILDINGS, ROADS AND WALKWAYS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM.
7. CONTRACTOR SHALL VERIFY STATIC PRESSURE AT APPROXIMATELY 65 P.S.I. AT THE P.O.C. PRIOR TO COMMENCING WORK. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
8. THIS SYSTEM REQUIRES A MINIMUM STATIC PRESSURE OF 50 P.S.I. AND A MAXIMUM FLOW OF 50 GPM AT POINT-OF-CONNECTION. HEAD LAYOUT AND ZONES ARE BASED ON THIS DATA AND DATA SHOWN IN IRRIGATION LEGEND. NOTIFY THE OWNERS REPRESENTATIVE PRIOR TO COMMENCING WORK IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
9. INSTALL ALL IRRIGATION PIPES IN PVC SLEEVES BELOW ALL PAVED SURFACES. COORDINATE PLACEMENT OF SLEEVES WITH APPLICABLE TRADES.
10. GRADE MAIN AND LATERAL LINES TO DRAIN. PLACE MANUAL DRAINS AT LOW POINT IN MAINLINES.
11. CONTRACTOR TO INSTALL CHECK VALVE IN SELECT SPRAY BODIES TO PREVENT LOW HEAD LEAKAGE.

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	MIN. HT. OR SPD.	SPACING
	TREES				
•	ULMUS AMERICANA 'JEFFERSON'	JEFFERSON ELM	2.5" CALIPER	8-10' HT.	AS SHOWN
	SHRUBS				
	SPIRAEA BETULIFOLIA 'TOR'	TOR BIRCHLEAF SPIREA	#3 CONT.	24" SPREAD	24" O.C.
	HALIMIUM LASIANTUM 'SANDLING'	WOOLLY ROCKROSE	#3 CONT.	30" SPREAD	30" O.C.
	GRASSES				
	FESTUCA RUBRA 'MOLATE'	CREEPING RED FESCUE	4" POT	12" SPREAD	12" O.C.
	LAWN	LAWN	SOD		

PLANTING NOTES

1. PLANTING AREAS TO BE SUFFICIENTLY CLEANED OF ALL CONSTRUCTION MATERIALS, INCLUDING IMPORTED ROCK, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE BEGINNING ANY LANDSCAPE WORK.
2. IDENTIFY ALL PLANTING AREAS IN FIELD WITH WHITE FIELD-MARKING CHALK OR APPROVED EQUAL. PLANTING BEDS TO BE ADJUSTED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLANT LOCATION.
3. FOR PLANTING OCCURRING IN MASSES OF SAME SPECIES PLANT, LABELING REFERS TO ALL ADJACENT IDENTICAL SYMBOLS. REFER TO DETAILS AND LEGEND FOR SPACING INFORMATION.
4. THE OWNER'S REPRESENTATIVE WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR PROCEDURE.
5. SHRUBS AND GROUNDCOVER TO BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGES; UNLESS OTHERWISE NOTED.
6. PROVIDE ROOT BARRIER AROUND ALL TREES WITHIN 5' OF PAVING, CURBS, WALLS, BUILDINGS, UTILITY DUCTS, DRAIN STRUCTURES AND OTHER APPURTENANCES.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.
8. PROVIDE JUTE NETTING ON ALL SLOPES WITH GRADIENT OF 3:1 OR GREATER AS DIRECTED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. STAPLE FABRIC TO GROUND WITH METAL STAKES AT 4' O.C.

PRESCRIPTIVE MAINTENANCE REGIME

1. MEADOW PLANTING AREAS: CUT PLANTS BACK TO WITHIN 6 INCHES OF FINISH GRADE ANNUALLY IN LATE WINTER, PRIOR TO NEW GROWTH FORMING. ALLOW IRIS RHIZOMES TO SPREAD WITHIN MEADOW PLANTING AREA.

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED 222 MICHAEL W. ZILIS 8/14/2015 OREGON LANDSCAPE ARCHITECT

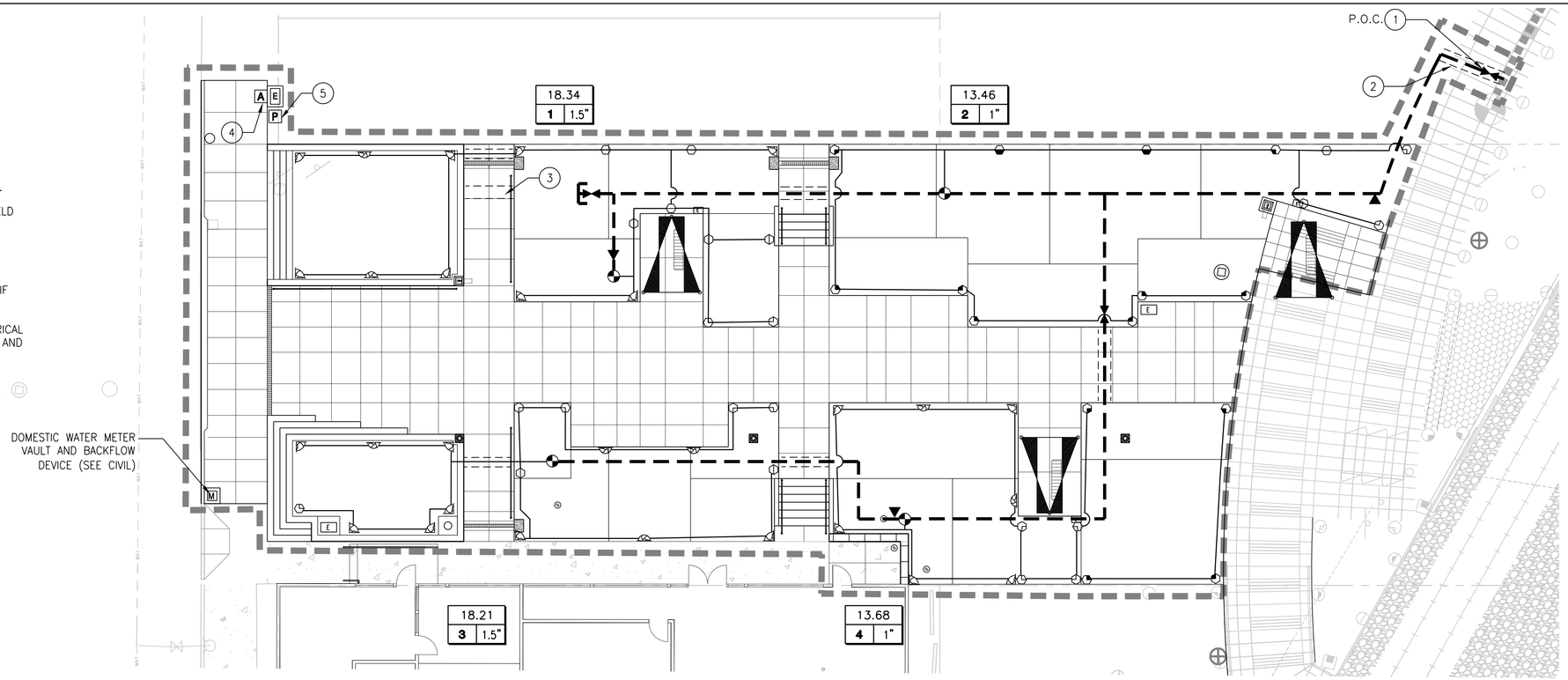
PROJECT NUMBER: 1217
DRAWN BY: CM | REVIEWED BY: CM
PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

PLANTING AND IRRIGATION SCHEDULES

L04

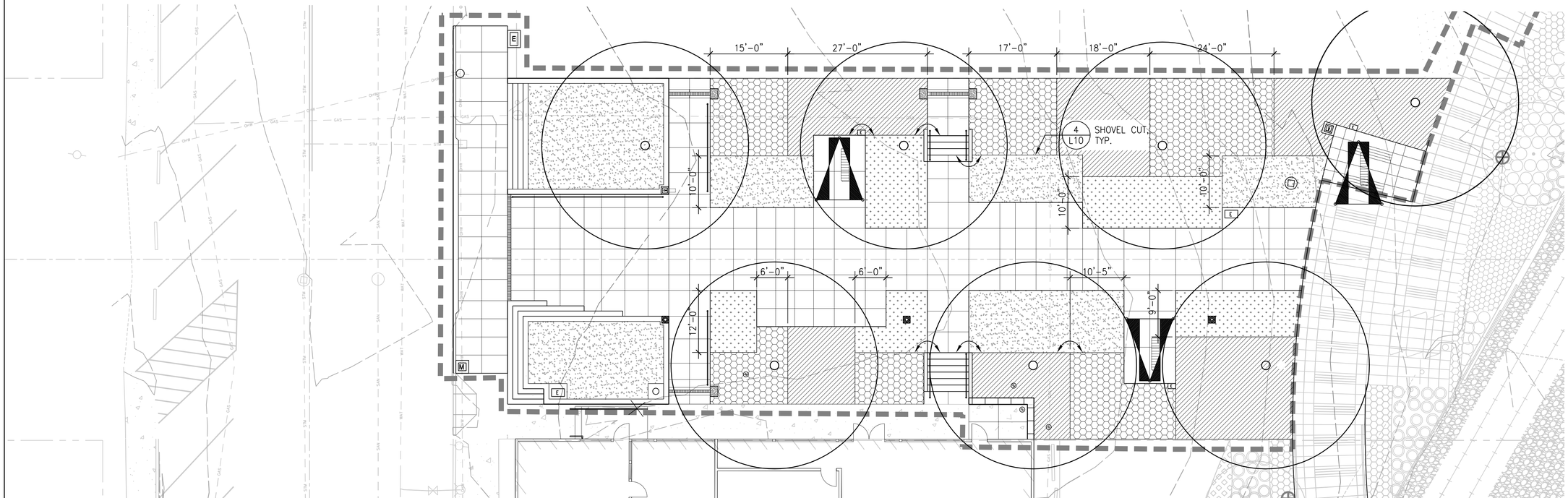
KEY NOTES

1. CONNECT TO EXISTING IRRIGATION MAINLINE, FIELD VERIFY LOCATION.
2. EXISTING IRRIGATION SLEEVE INSTALLED BY TRI-MET, FIELD VERIFY.
3. 6" IRRIGATION SLEEVES FOR FUTURE MAINLINE IF EXPANSION OCCURS.
4. MOUNT IRRIGATION CONTROLLER IN NEW ELECTRICAL CABINET. SEE ELECTRICAL. COORDINATE POWER AND CONTROL WIRE ROUTES WITH ELECTRICAL CONTRACTOR.
5. INSTALL CONDUIT WITH FUTURE CONTROL WIRES FROM CONTROLLER TO PULL BOX.



1 IRRIGATION PLAN
SCALE: 1" = 10'

PLAN



2 PLANTING PLAN
SCALE: 1" = 10'

PLAN

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City of Milwaukie, Oregon

REGISTERED 222 LANDSCAPE ARCHITECT OREGON
MICHAEL W. ZILIS
03/06/2015

PROJECT NUMBER: 1217
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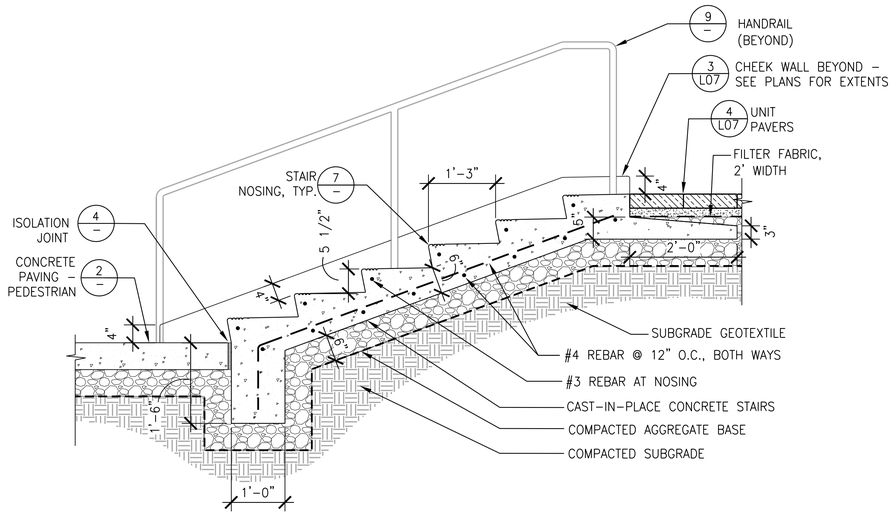
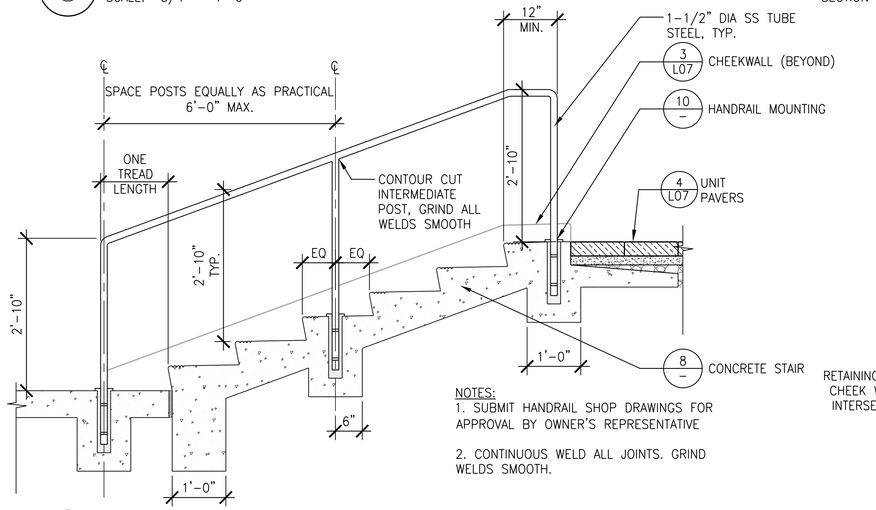
PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

PLANTING AND IRRIGATION PLANS

L05



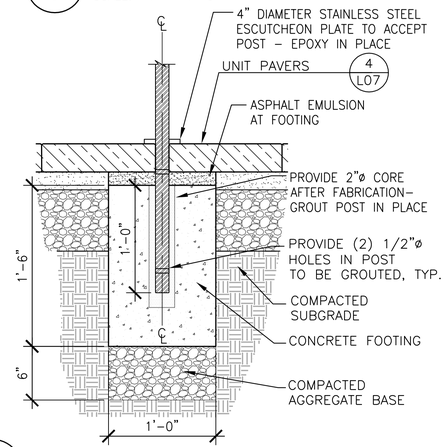
8 CONCRETE STAIR
SCALE: 3/4" = 1'-0" SECTION



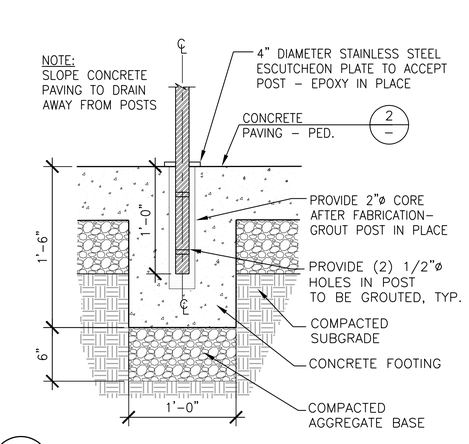
NOTES:
1. SUBMIT HANDRAIL SHOP DRAWINGS FOR APPROVAL BY OWNER'S REPRESENTATIVE

2. CONTINUOUS WELD ALL JOINTS. GRIND WELDS SMOOTH.

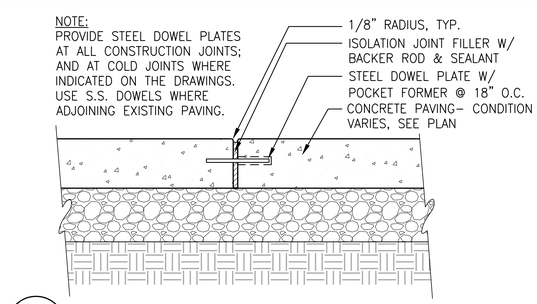
9 HANDRAIL
SCALE: 1" = 1'-0" SECTION



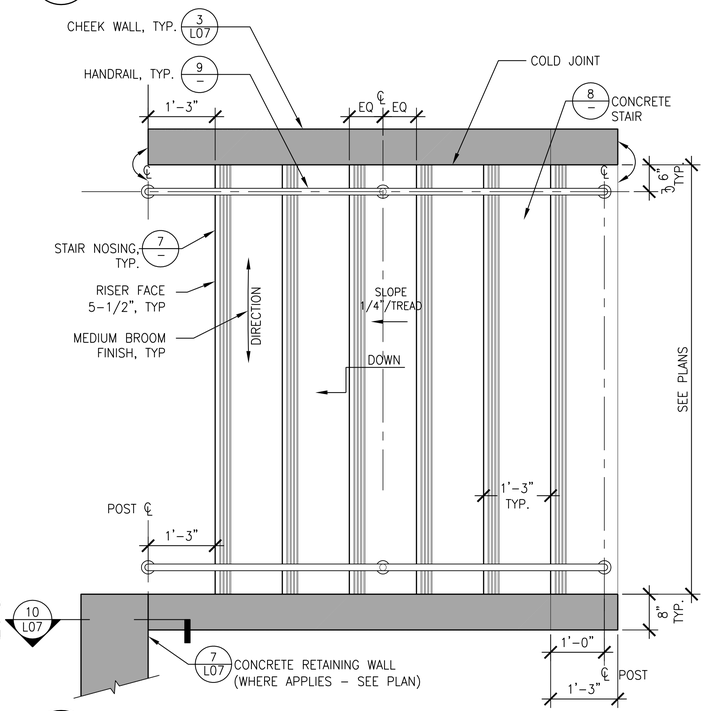
11 HANDRAIL MOUNTING AT UNIT PAVERS
SCALE: 1-1/2" = 1'-0" SECTION



10 HANDRAIL MOUNTING AT CONCRETE PAVING
SCALE: 1-1/2" = 1'-0" SECTION



5 DOWELLED ISOLATION JOINT
SCALE: 1-1/2" = 1'-0" SECTION

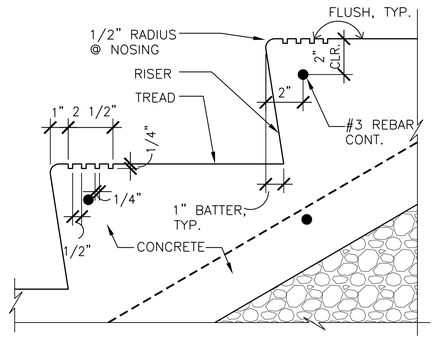


6 CONCRETE STAIR WITH HANDRAILS
SCALE: 3/4" = 1'-0" PLAN

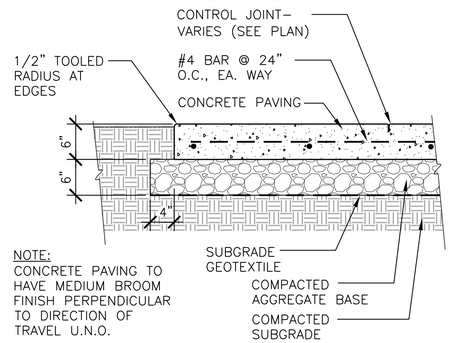
NOTES:

1. REMOVE TOOL MARKS AND APPLY MEDIUM BROOM FINISH TO STAIR TREAD.

2. 1/2" RADIUS, TYPICAL ON ALL EXPOSED EDGES OF STAIR TREADS

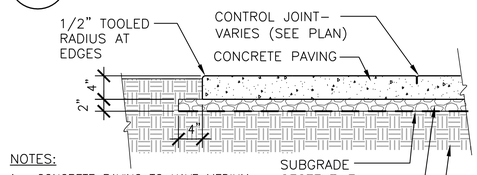


7 STAIR NOSING
SCALE: 3" = 1'-0" SECTION



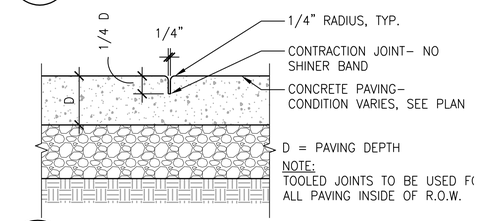
NOTE:
CONCRETE PAVING TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL U.N.O.

1 CONCRETE PAVING – REINFORCED
SCALE: 1" = 1'-0" SECTION

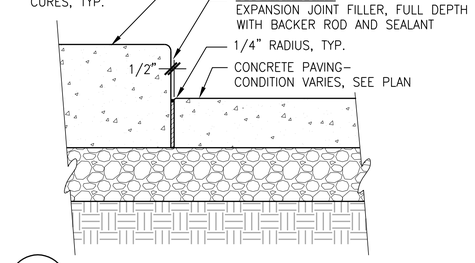


NOTES:
1. CONCRETE PAVING TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL U.N.O.

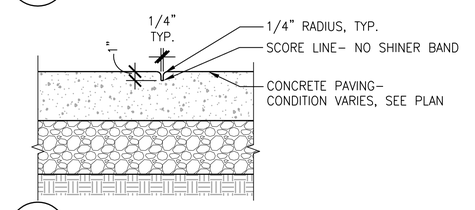
2 CONCRETE PAVING – PEDESTRIAN
SCALE: 1" = 1'-0" SECTION



3 CONTRACTION JOINT – TOOLED
SCALE: 1-1/2" = 1'-0" SECTION



4 ISOLATION JOINT
SCALE: 1-1/2" = 1'-0" SECTION



12 SCORE JOINT – TOOLED
SCALE: 1-1/2" = 1'-0" SECTION

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Adams Street Connector

City of Milwaukie, Oregon

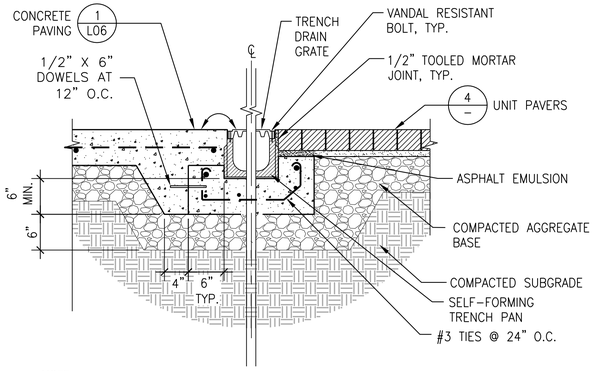
REGISTERED 222 MICHAEL W. ZILIS 10/16/1998 OREGON LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
DRAWN BY: CM REVIEWED BY: CM

PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

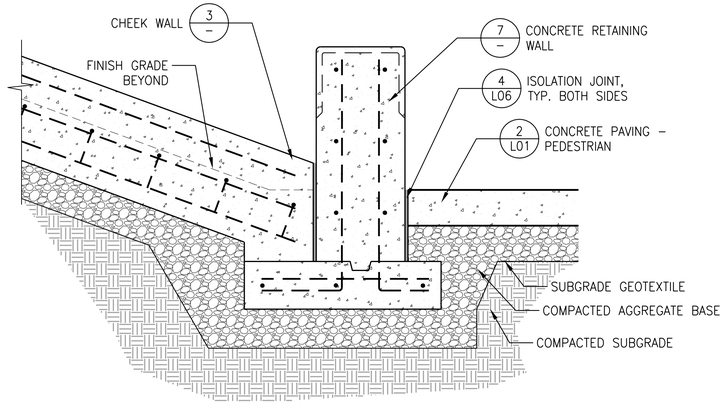
SITE DETAILS

L06

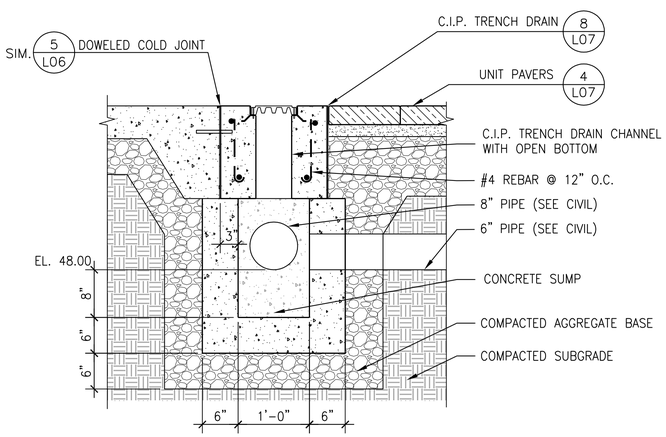


NOTE:
SUBMIT SHOP DRAWINGS OF TRENCH GRATE & FRAME FOR APPROVAL BY OWNER'S REPRESENTATIVE. SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF OREGON.

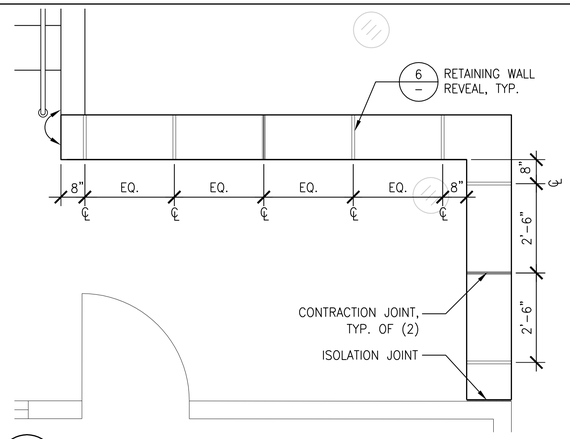
9 PRE-FABRICATED TRENCH DRAIN
SCALE: 1" = 1'-0" — SECTION



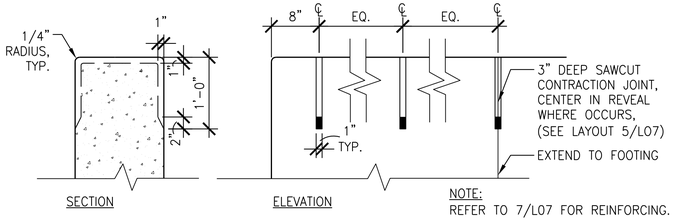
10 RETAINING AND CHEEK WALLS INTERSECTION
SCALE: 1" = 1'-0" — SECTION



11 C.I.P. TRENCH DRAIN SUMP
SCALE: 1" = 1'-0" — SECTION

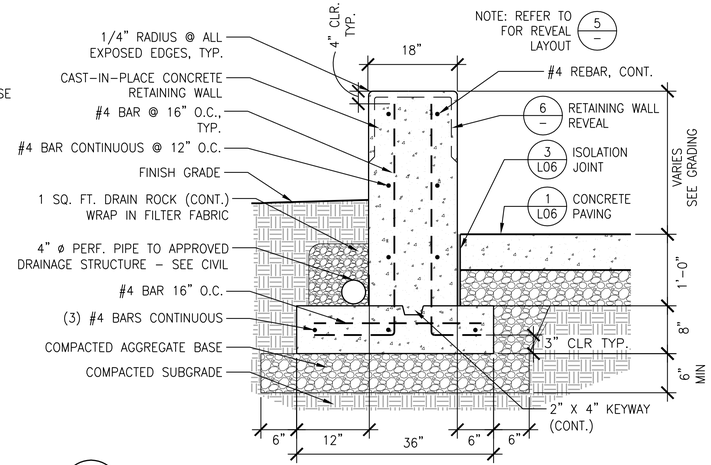


5 RETAINING WALL – REVEAL LAYOUT
SCALE: 1" = 1'-0" — PLAN

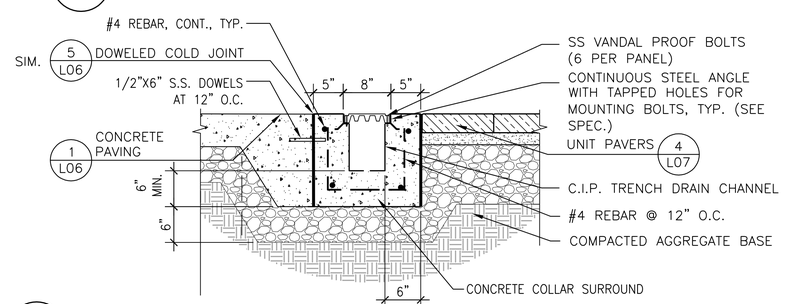


NOTE:
REFER TO 7/L07 FOR REINFORCING.

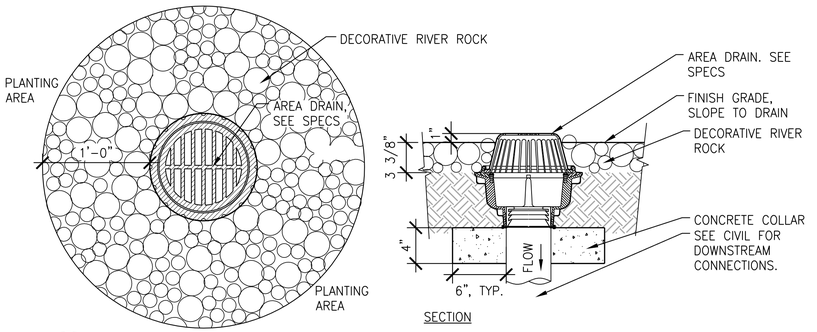
6 RETAINING WALL – REVEAL
SCALE: 1" = 1'-0" — SECTION AND ELEVATION



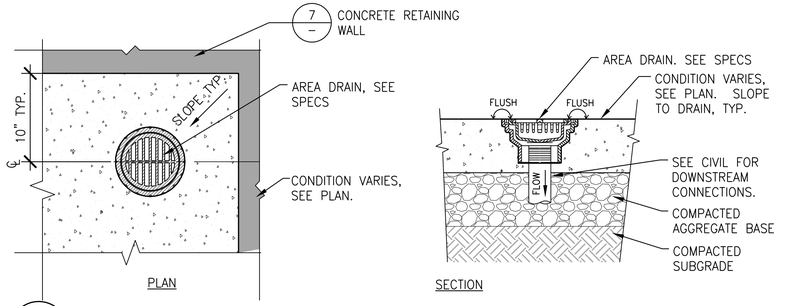
7 CONCRETE RETAINING WALL
SCALE: 1" = 1'-0" — SECTION



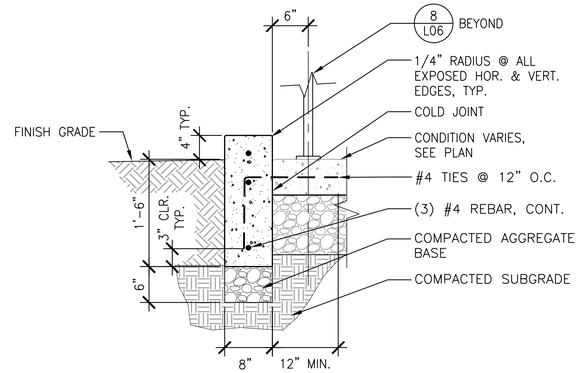
8 C.I.P. TRENCH DRAIN
SCALE: 1" = 1'-0" — SECTION



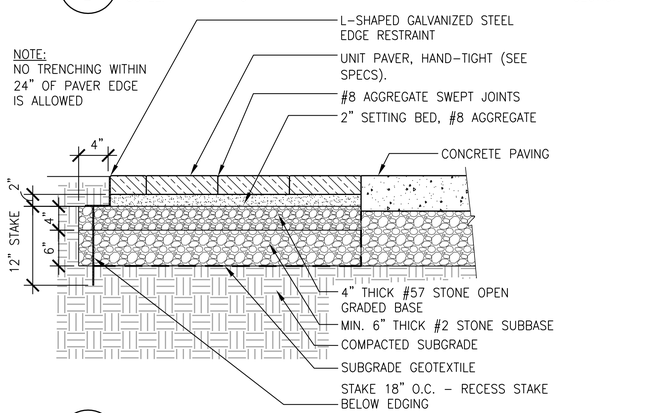
1 AREA DRAIN IN PLANTING AREA
SCALE: 1 1/2" = 1'-0" — SECTION



2 AREA DRAIN IN PAVING
SCALE: 1 1/2" = 1'-0" — SECTION



3 CHEEK WALL
SCALE: 1" = 1'-0" — SECTION



4 UNIT PAVERS – BASE BID
SCALE: 1" = 1'-0" — SECTION

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City of Milwaukie, Oregon

REGISTERED 222 MICHAEL W. ZILIS 10/16/1998 OREGON LANDSCAPE ARCHITECT

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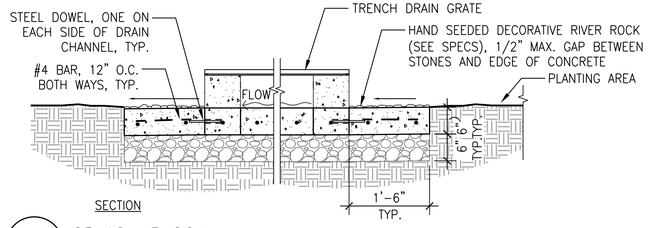
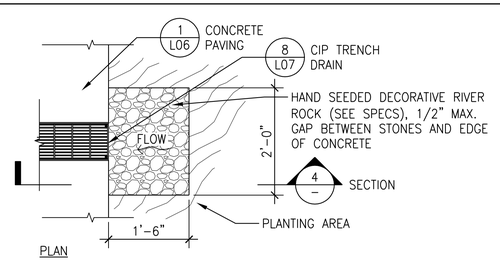
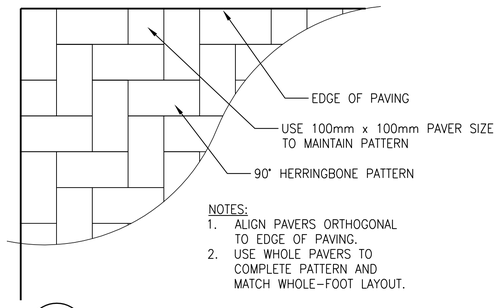
L07

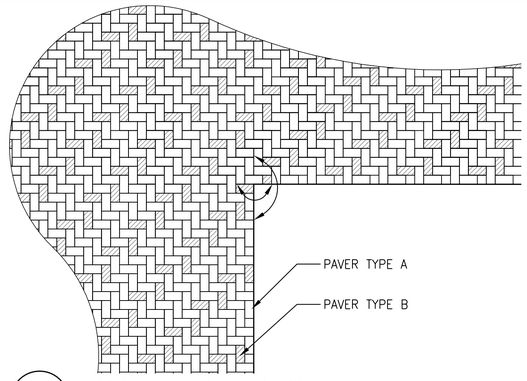




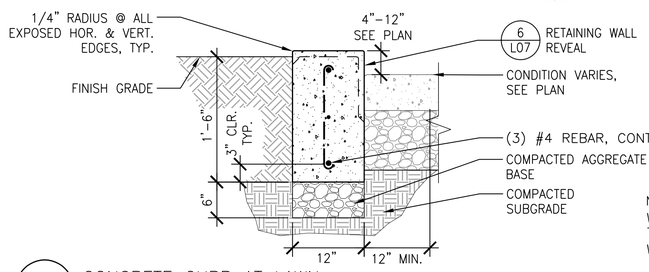
4 SPLASH BLOCK
SCALE: 3/4" = 1'-0"



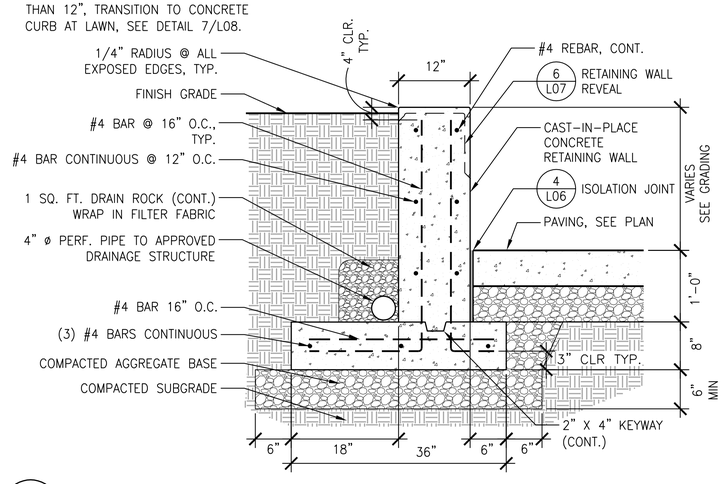
5 PAVING PATTERN
SCALE: 1" = 1'-0" PLAN



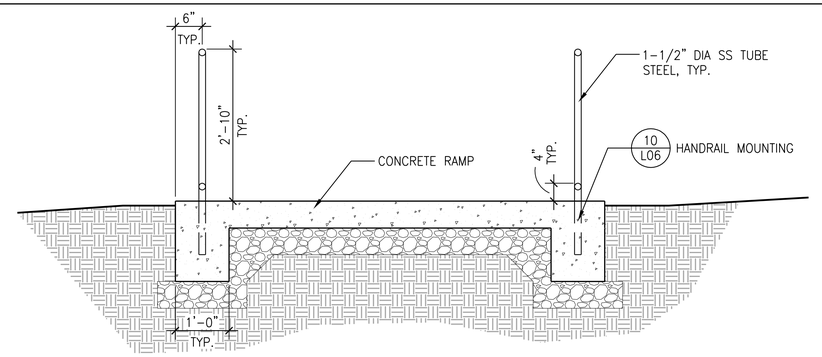
6 PAVING PATTERN – LAYOUT
SCALE: 3/8" = 1'-0" PLAN

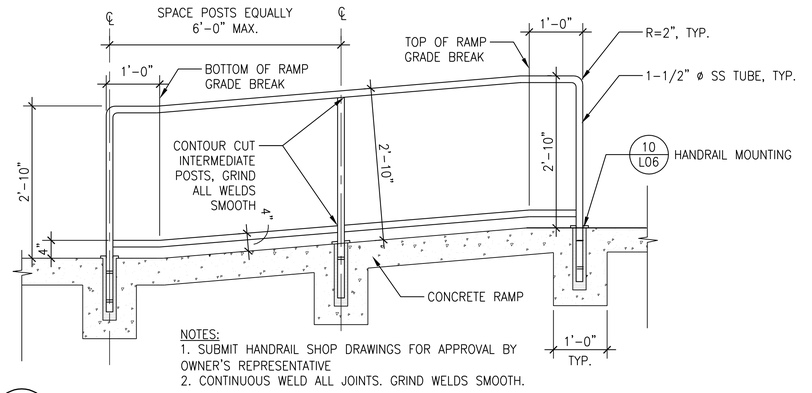


7 CONCRETE CURB AT LAWN
SCALE: 1" = 1'-0" SECTION

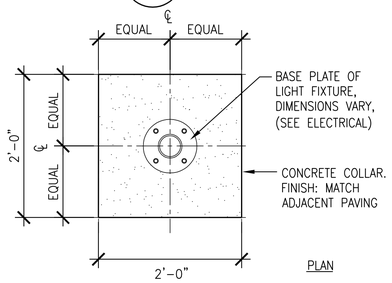


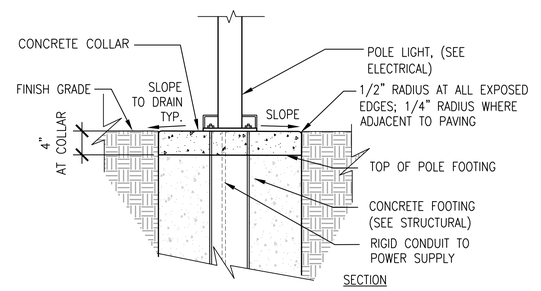
8 CONCRETE RETAINING WALL AT LAWN
SCALE: 1" = 1'-0" SECTION



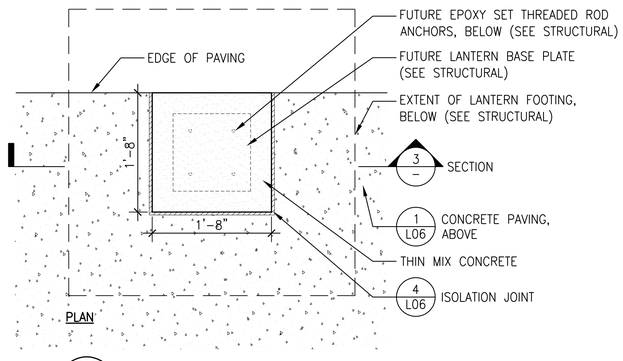


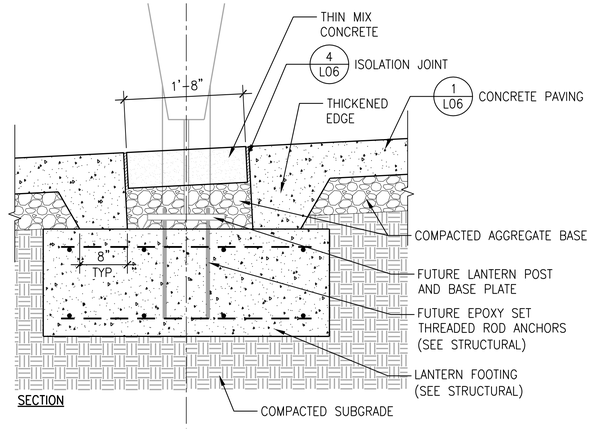
1 HANDRAIL AT RAMP
SCALE: 3/4" = 1'-0" SECTION





2 LIGHT POLE BASE
SCALE: 1" = 1'-0" SECTION





3 LANTERN MOUNTING THIN MIX BLOCK-OUT (FOR LANTERN LOCATIONS IN ALT. A)
SCALE: 1" = 1'-0"

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED LANDSCAPE ARCHITECT
MICHAEL W. ZILIS
5/19/2015
OREGON
222

PROJECT NUMBER: 1217
DRAWN BY: CM
REVIEWED BY: CM

PHASE:
BID DOCUMENTS

ISSUE DATE:
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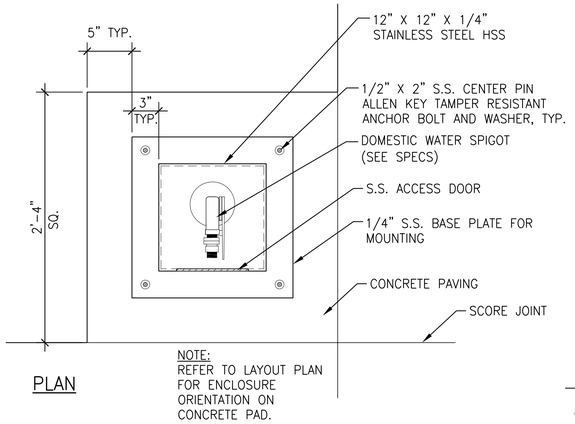
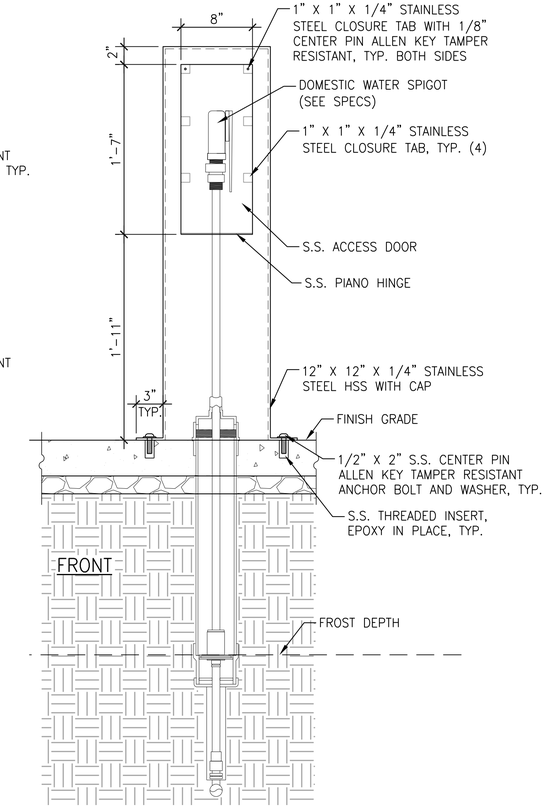
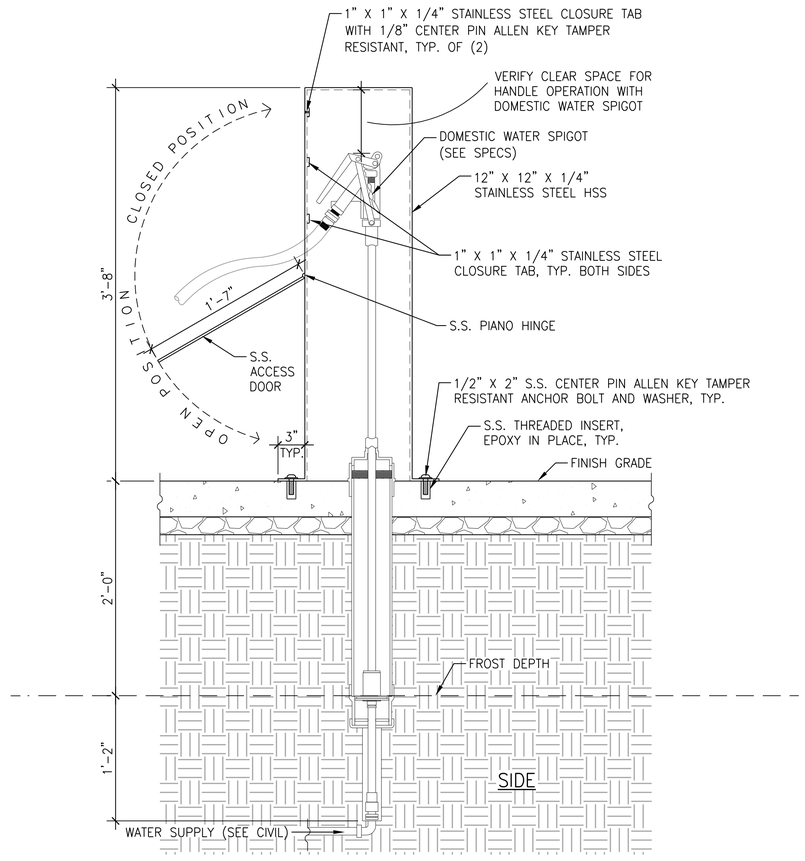
SITE DETAILS

L08

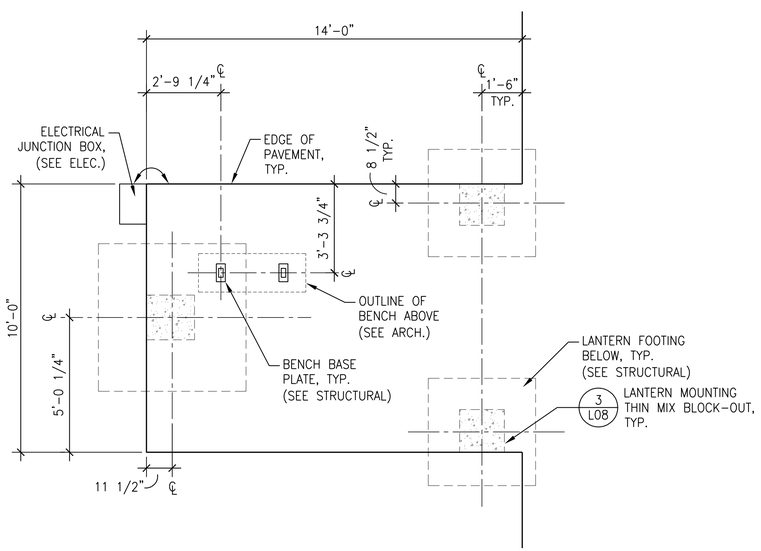


PLAN

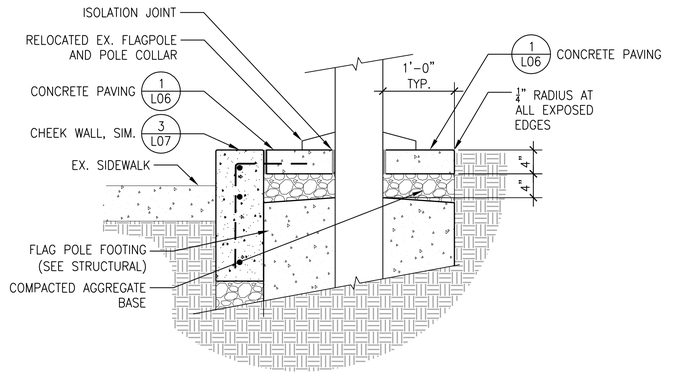




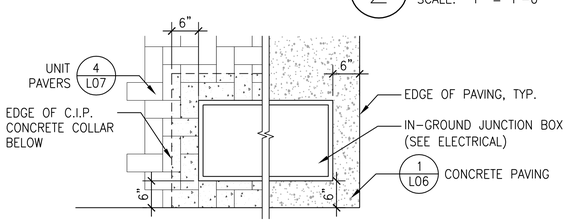
1 DOMESTIC WATER SPIGOT
SCALE: 3/4" = 1'-0"



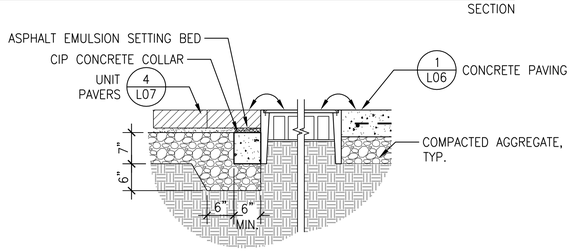
4 BENCH PAD LAYOUT
SCALE: 3/8" = 1'-0"
PLAN



2 FLAG POLE BASE
SCALE: 1" = 1'-0"
SECTION



PLAN



SECTION

3 ELECTRICAL JUNCTION BOX
SCALE: 3/4" = 1'-0"
PLAN/SECTION

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED LANDSCAPE ARCHITECT
222
MICHAEL W. ZILIS
10/16/1998
OREGON

PROJECT NUMBER: 1217
DRAWN BY: CM
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BID DOCUMENTS

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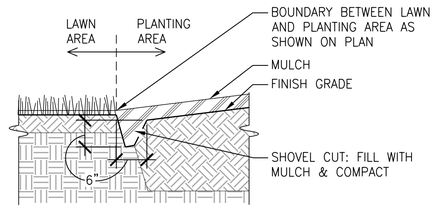
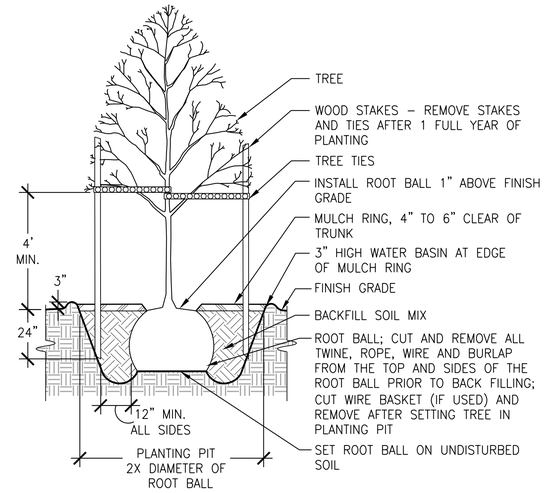
SITE DETAILS

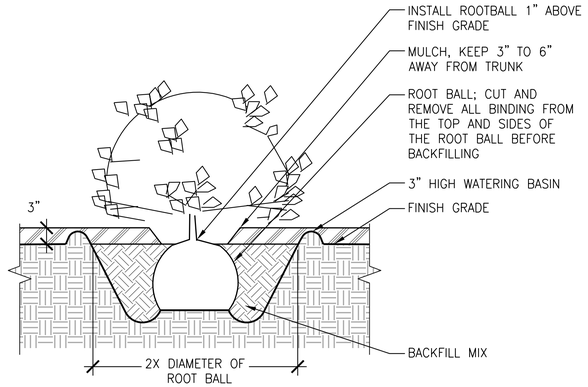
L09



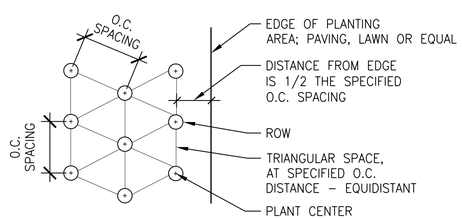
4 SHOVEL CUT
SCALE: 3/4" = 1'-0" SECTION



1 DECIDUOUS TREE PLANTING
SCALE: 3/8" = 1'-0" SECTION



2 SHRUB AND GROUNDCOVER PLANTING
SCALE: 3/4" = 1'-0" SECTION



NOTE:
- SEE PLANT SCHEDULE FOR EACH PLANT'S APPROPRIATE O.C. SPACING.
- PLANTING PLAN SHOWING INDIVIDUAL LOCATION OF A SHRUB AND OR GROUND COVER TAKE PRECEDENT OVER THIS DETAIL.

3 SHRUB AND GROUNDCOVER SPACING
SCALE: 3/4" = 1'-0" SECTION

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City of Milwaukie, Oregon

REGISTERED 222
MICHAEL W. ZILIS
10/16/2005
OREGON
LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
DRAWN BY: CM
REVIEWED BY: CM

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BID DOCUMENTS

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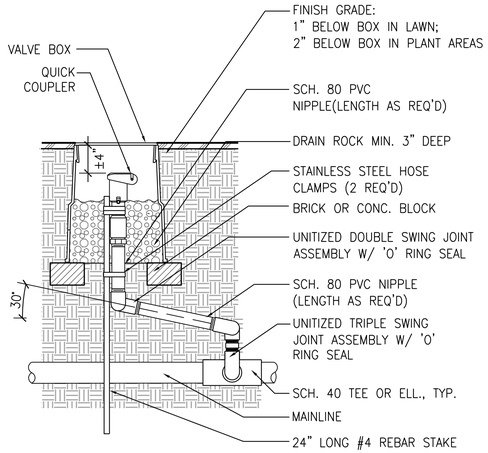
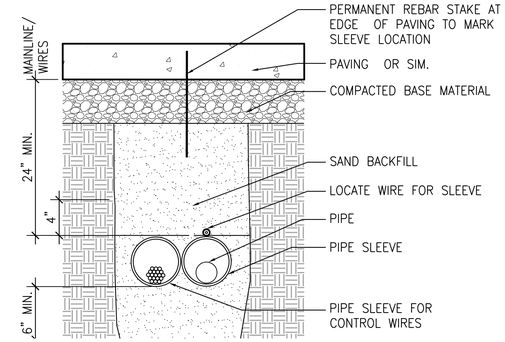
REVISIONS:

PLANTING DETAILS

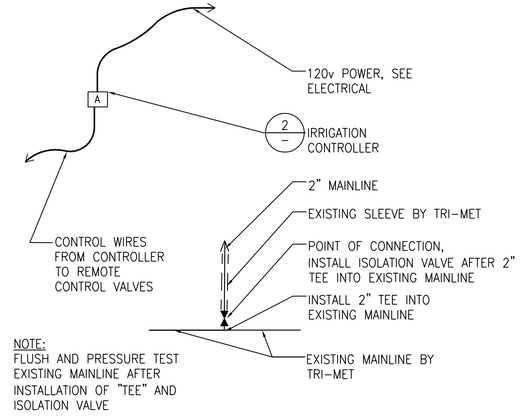
L10



7 QUICK COUPLER VALVE
SCALE: NTS SECTION

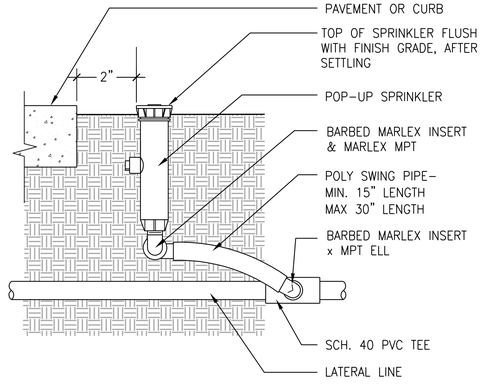


4 PIPE SLEEVE
SCALE: NTS SECTION



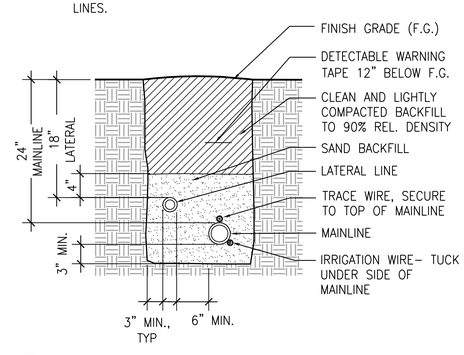
NOTE:
FLUSH AND PRESSURE TEST EXISTING MAINLINE AFTER INSTALLATION OF "TEE" AND ISOLATION VALVE

1 IRRIGATION POINT OF CONNECTION
SCALE: NTS DIAGRAM

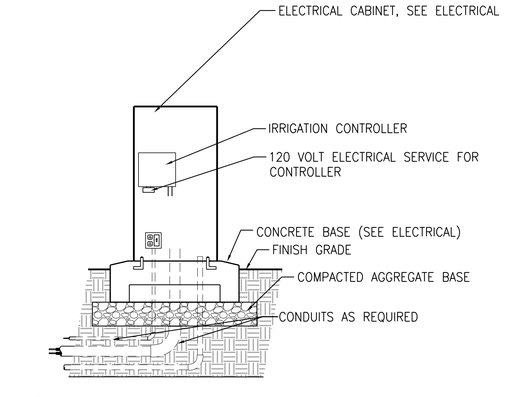


8 SPRAY HEAD
SCALE: NTS SECTION

NOTE:
OTHER UTILITIES SHALL NOT SHARE THE SAME TRENCH WITH IRRIGATION LINES.

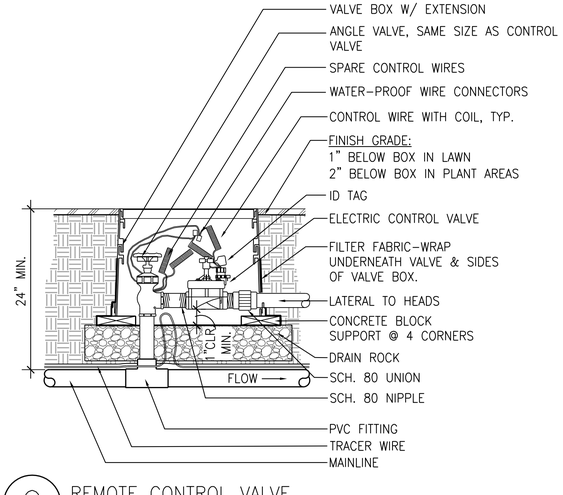


5 PIPE TRENCH
SCALE: NTS SECTION

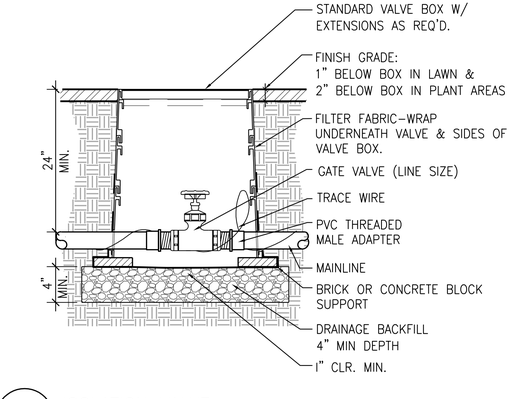


NOTES:
-ALL WIRE TO BE INSTALLED AS PER LOCAL ELECTRICAL CODE.
-VERIFY LOCATION PRIOR TO INSTALLATION.
-INSTALL CONTROLLER PER MANUFACTURER'S INSTRUCTIONS.

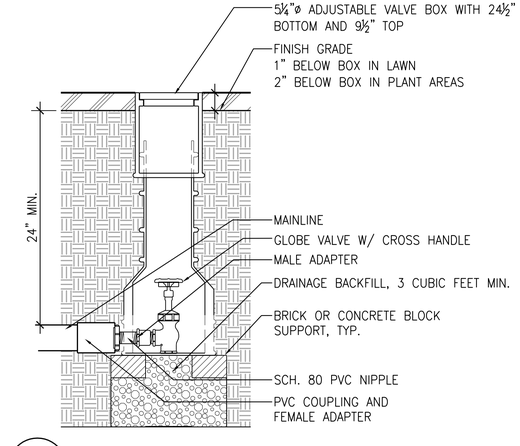
2 IRRIGATION CONTROLLER
SCALE: NTS SECTION



9 REMOTE CONTROL VALVE
SCALE: NTS SECTION



6 ISOLATION VALVE
SCALE: NTS SECTION



3 DRAIN VALVE
SCALE: NTS SECTION

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED 222 MICHAEL W. ZILIS 12/31/1985 OREGON LANDSCAPE ARCHITECT

PROJECT NUMBER: 1217
DRAWN BY: CM REVIEWED BY: CM

PHASE:
BID DOCUMENTS

ISSUE DATE:
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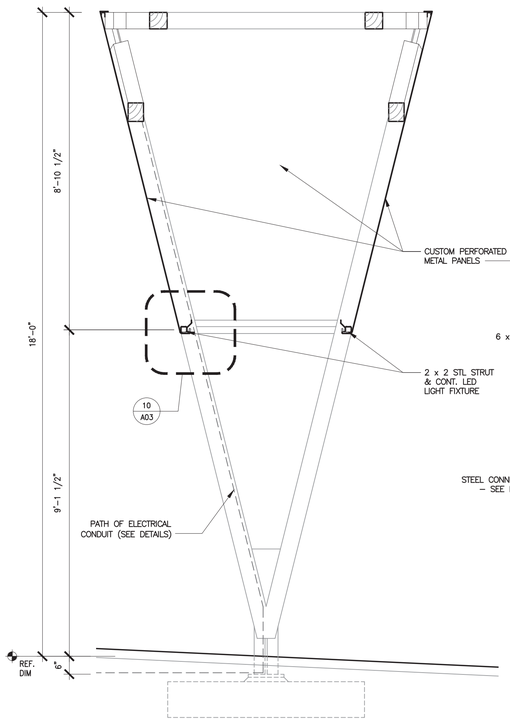
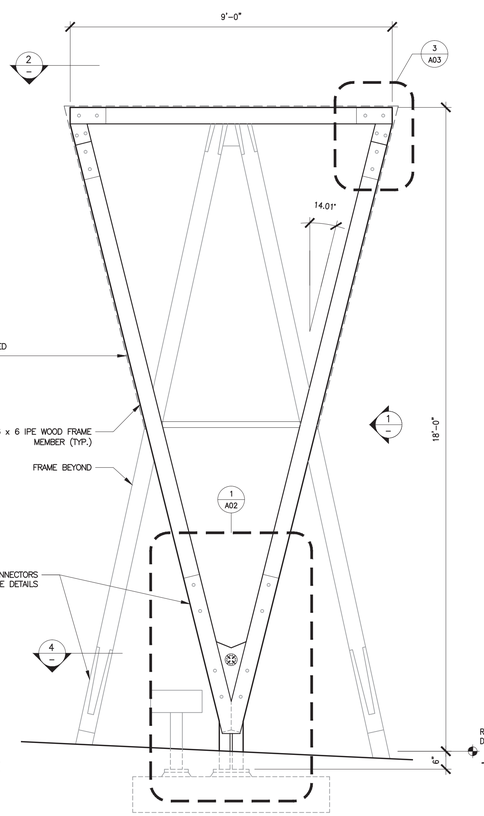
REVISIONS:

IRRIGATION DETAILS

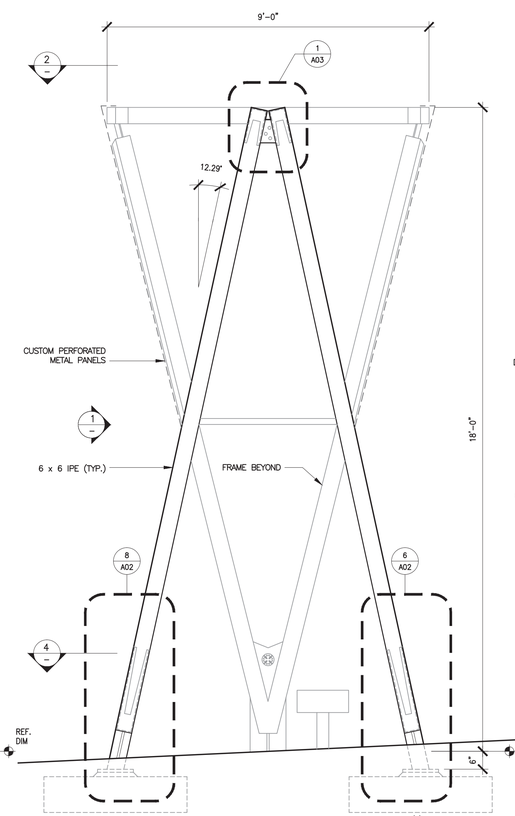
L11



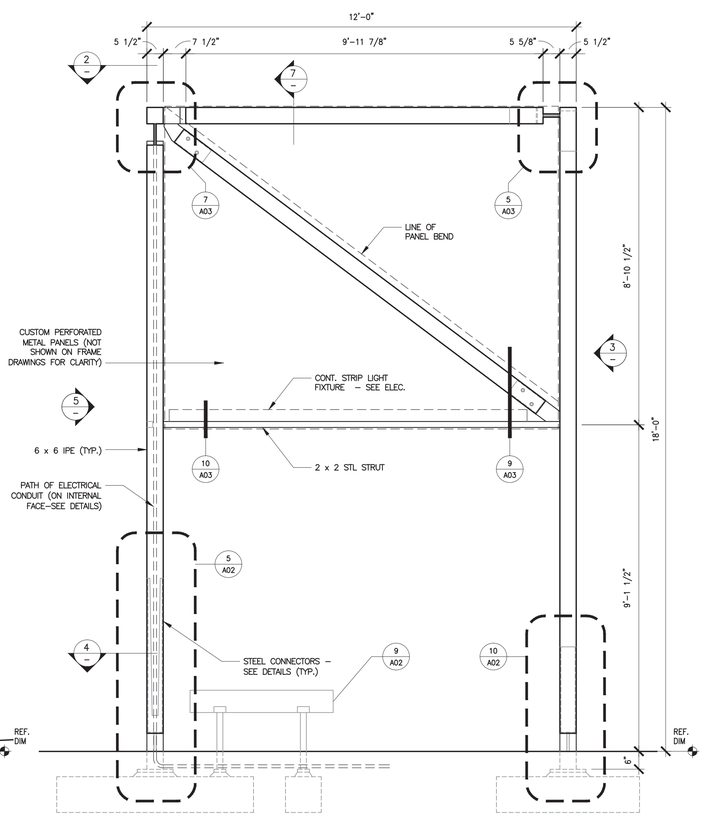
7 SECTION
1/2" = 1'-0"



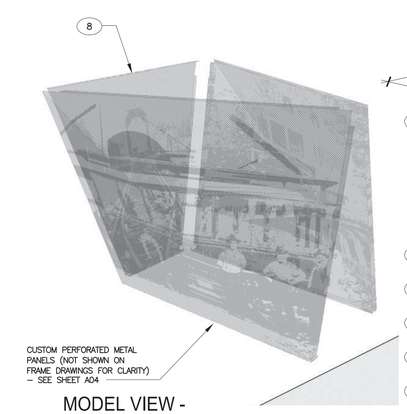
5 ELEVATION - REAR VIEW
1/2" = 1'-0"



3 ELEVATION - FRONT VIEW
1/2" = 1'-0"

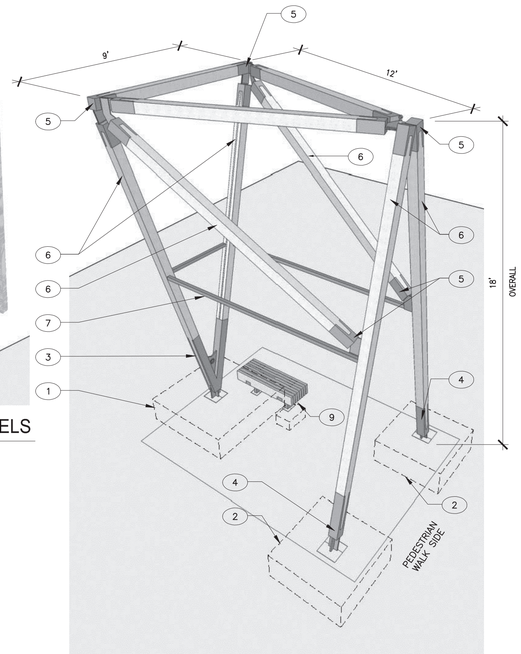


1 ELEVATION - SIDE VIEW
1/2" = 1'-0"

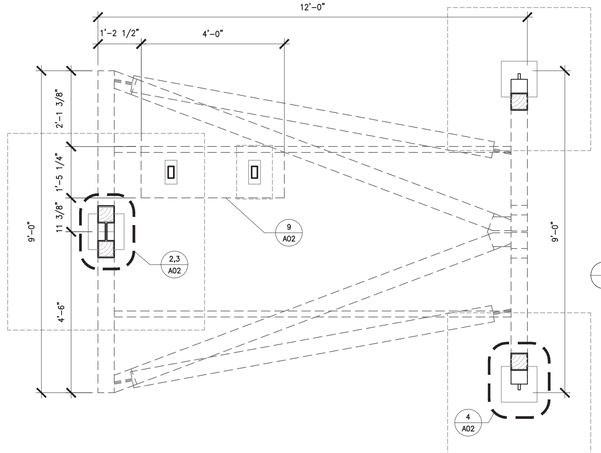


MODEL VIEW - CUSTOM PERFORATED METAL PANELS
PERSPECTIVE - NO SCALE

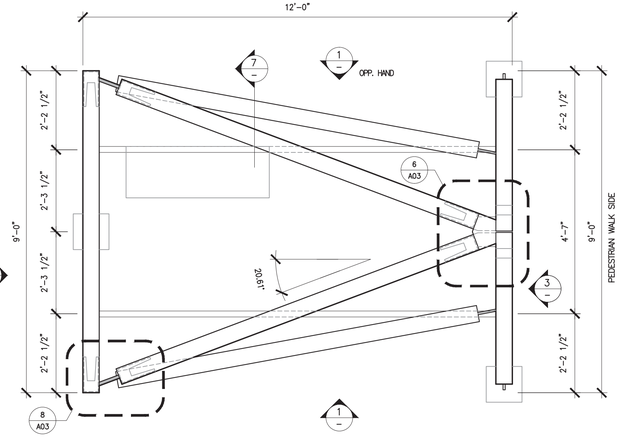
8



6 MODEL VIEW OF FRAME - MATERIAL KEYPLAN
PERSPECTIVE - NO SCALE



4 PLAN - SECTION VIEW
1/2" = 1'-0"



2 PLAN - TOP VIEW
1/2" = 1'-0"

KEYNOTES

1. CONCRETE FOOTING TYPE A – AT BASE CONNNECTION CONDITION A – SEE STRUCTURAL.
2. CONCRETE FOOTING TYPE B – AT BASE CONNNECTION CONDITION B – SEE STRUCTURAL.
3. BASE CONNECTION TYPE A – 2 LEG V–CONFIGURATION– EACH LEG 5 1/2" WIDE x 3/8" THK BENT PLATES, WELDED AND TAPER SHAPED, LENGTH AS SHOWN ON DRAWINGS, OR SHAPED 3/8" THK TS, CUT TO TAPER SHAPE, WELDED TO EACH OTHER AND 1/2" THK LASERCUT STIFFENER PLATE, AND TO BASE PLATE W/CRUCIFORM STIFFENER PLATES – SEE STRUCTURAL.
4. BASE CONNECTION TYPE B – 5 1/2" WIDE x 3/8" THK BENT PLATE, WELDED AND TAPER SHAPED, LENGTH AS SHOWN ON DRAWINGS, OR SHAPED 3/8" THK TS, CUT TO TAPER SHAPE, WELDED TO BASE PLATES W/CRUCIFORM STIFFENER PLATES – SEE STRUCTURAL.
5. UPPER CONNECTIONS – TYPICAL
   OPTION A – 5 1/2" WIDE x 3/8" THK BENT PLATE, WELDED AND TAPER SHAPED, 12" LENGTH, OR SHAPED 3/8" THK TS, CUT TO TAPER SHAPE, (ALL THE SAME), WITH 3/8" THK CONNECTOR PLATES WELDED TO BENT COMPONENTS – SEE STRUCTURAL.
   OPTION B – SIMILAR SIZE CONNECTORS – END CAPS FABRICATED OF CAST STEEL (ALL THE SAME), WITH 3/8" THK CONNECTOR PLATES WELDED TO CAST COMPONENTS.
6. 6 x 6 IPE HARDWOOD STRUCTURAL MEMBERS
7. 2" x 2" x 1/4" STL TUBE HORIZONTAL MEMBERS
8. CUSTOM PERFORATED METAL PANELS – 14ga. STAINLESS STEEL GRAPHIC ARTWORK PANELS – EACH LONG SIDE FORMED OF (4) APPROX. 3' x 9' PANELS, BENT AT INTERMEDIATE STRUT, (2) APPROX. 4.5' X 9' SIDE PANELS, ANCHORED TOP AND BOTTOM. SEE SHEET A04 FOR ADDITIONAL INFORMATION.
9. CUSTOM BENCH – SEE DETAIL 9/A02

SEE ELECTRICAL SHEETS AND SPECIFICATIONS FOR ADD'L INFO ON LIGHTING.

DRAWINGS INDICATE MATERIALS, GEOMETRY AND LAYOUT – REFER TO STRUCTURAL DETAILS FOR MEMBER SIZING, WELDS, FOUNDATIONS, AND OTHER STRUCTURAL INFORMATION.

SEE SPECIFICATION SECTIONS 901 AND 1001 FOR FINISHES.

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Adams Street Connector

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REGISTERED ARCHITECT JOANN D. LE PORTLAND, OREGON STATE OF OREGON

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PHASE:
BID DOCUMENTS

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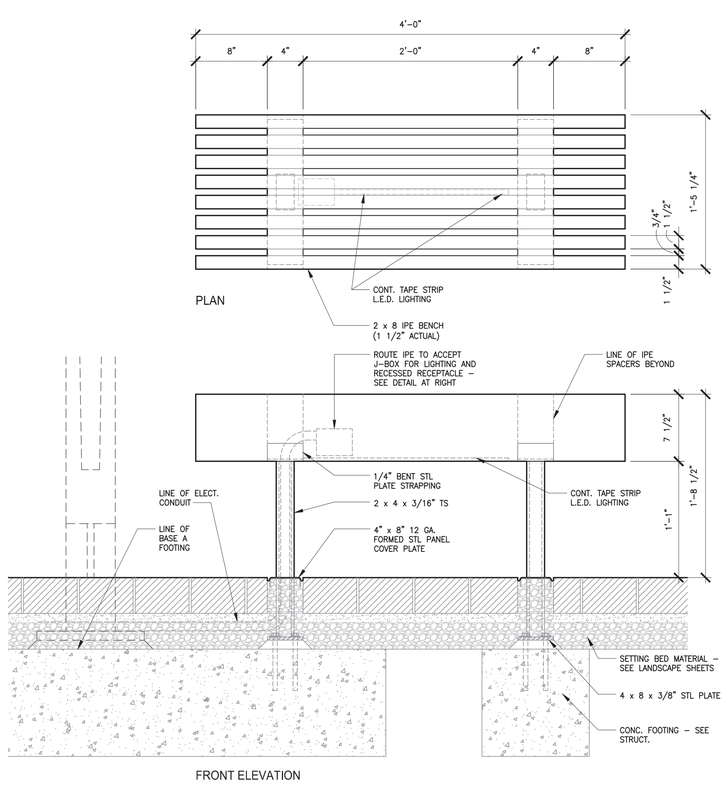
REVISIONS:

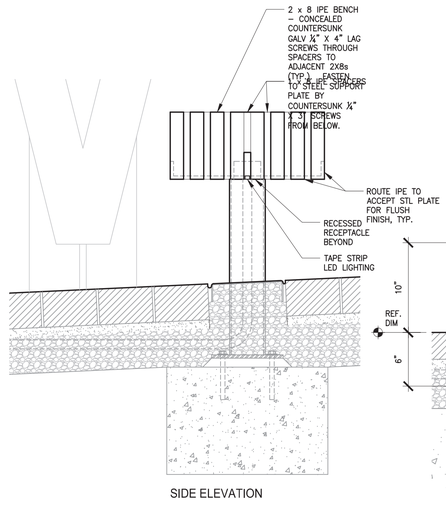
LANTERN BEACONS PLANS, ELEVATIONS, SECTION

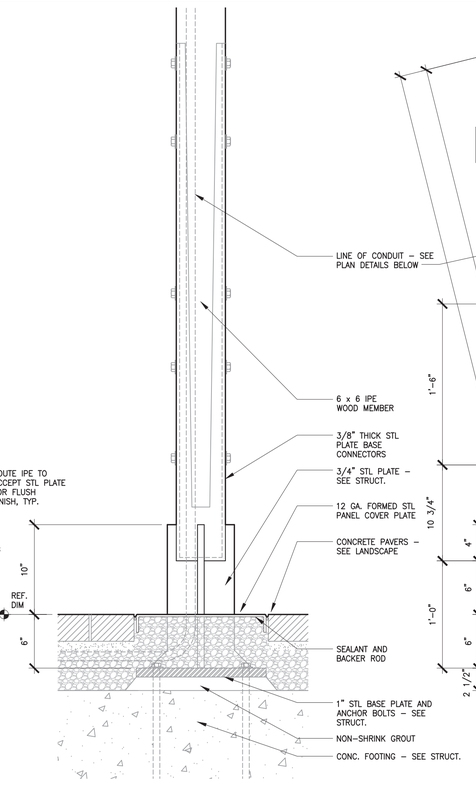
A01



9 ELEV. DETAIL - BENCH

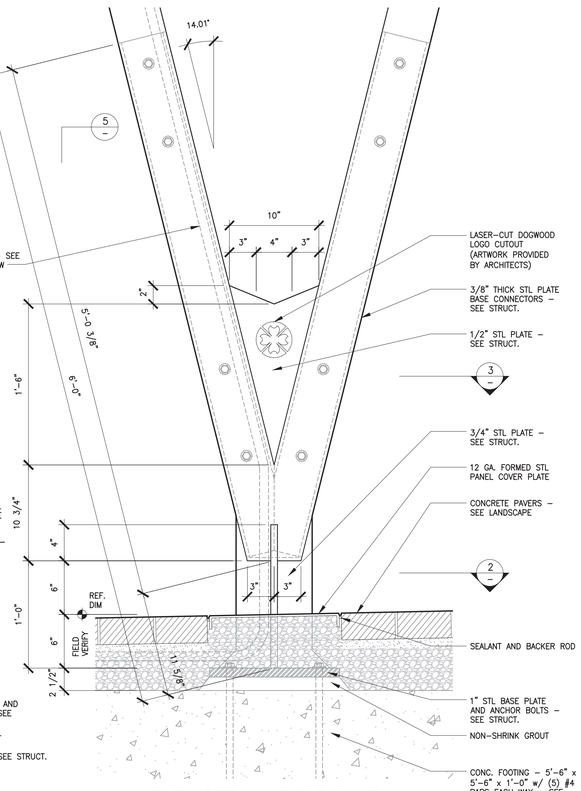
1-1/2" = 1'-0"





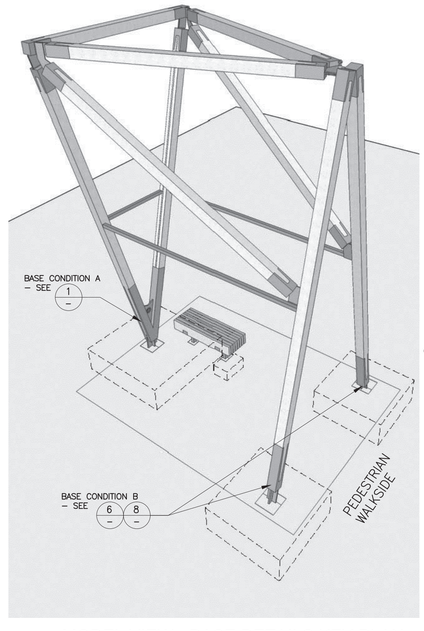
5 ELEV. DETAIL - BASE COND. A

1-1/2" = 1'-0"



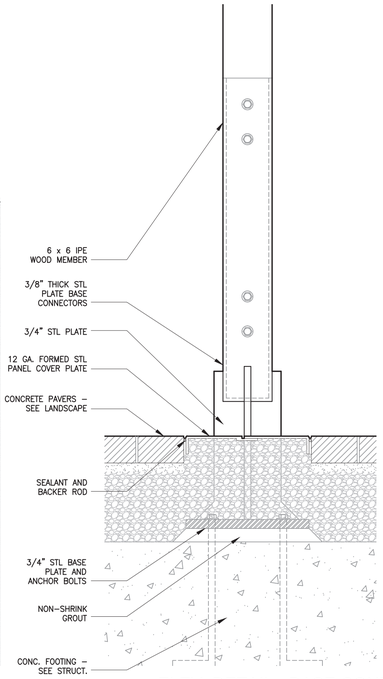
1 ELEV. DETAIL - BASE COND. A

1-1/2" = 1'-0"



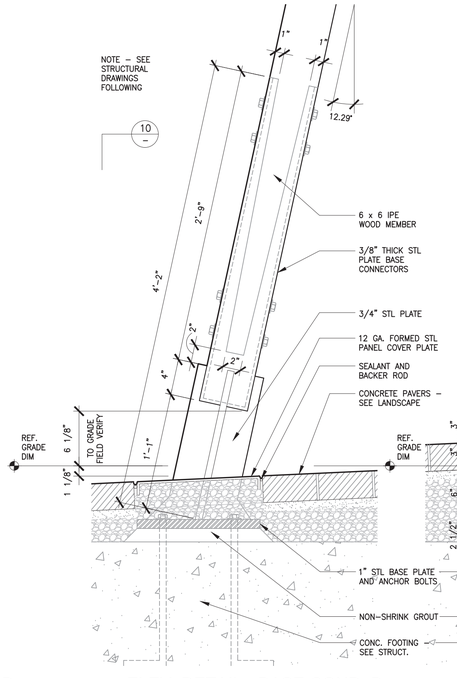
12 MODEL VIEW - BASE DETAILS KEY PLAN

PERSPECTIVE - NO SCALE



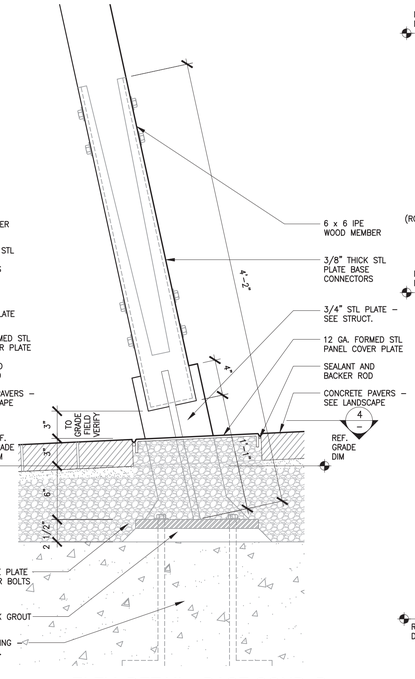
10 ELEV. DETAIL - BASE COND. B

1-1/2" = 1'-0"



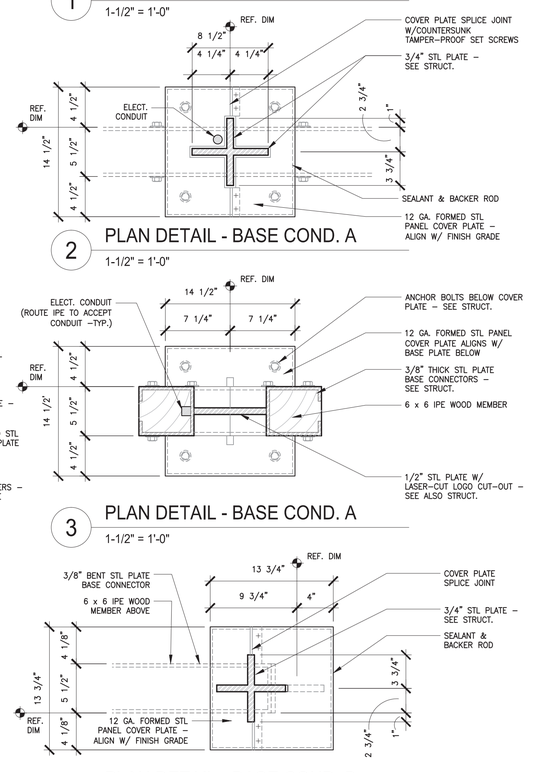
8 ELEV. DETAIL - BASE COND. B

1-1/2" = 1'-0"



6 ELEV. DETAIL - BASE COND. B

1-1/2" = 1'-0"



2 PLAN DETAIL - BASE COND. A

1-1/2" = 1'-0"

3 PLAN DETAIL - BASE COND. A

1-1/2" = 1'-0"

4 PLAN DETAIL - BASE COND. B

1-1/2" = 1'-0"

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED ARCHITECT JOANN D. LE PORTLAND, OREGON STATE OF OREGON

PROJECT NUMBER: 1217

DRAWN BY: | REVIEWED BY:

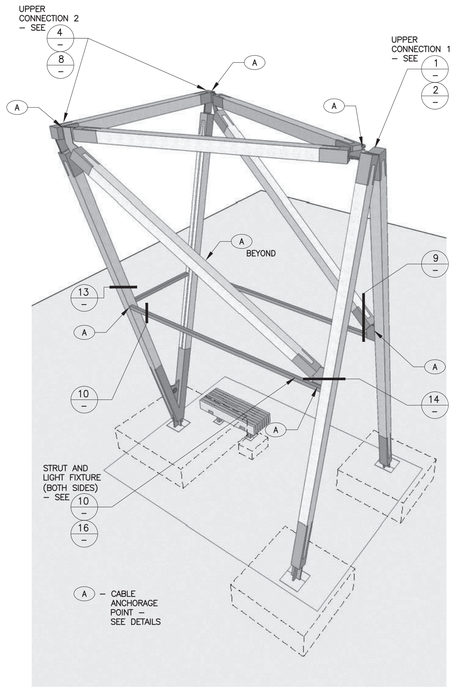
PHASE: BID DOCUMENTS

ISSUE DATE: 03-06-2015

REVISIONS:

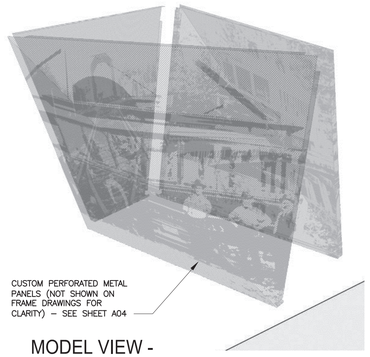
LANTERN BEACONS DETAILS

A02



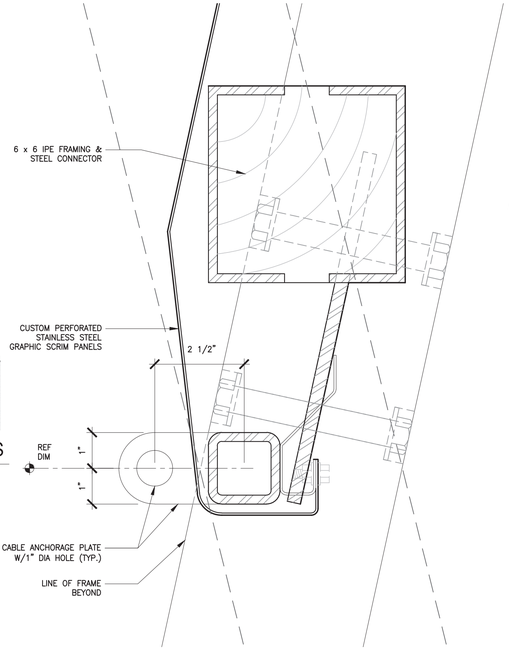
15 MODEL VIEW - DETAIL KEY PLAN

PERSPECTIVE - NO SCALE



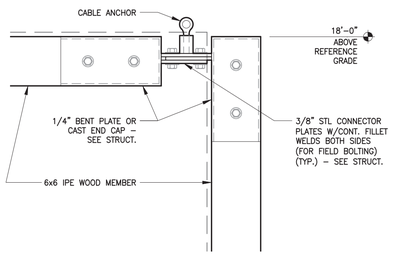
11 MODEL VIEW - CUSTOM PERFORATED METAL PANELS

PERSPECTIVE - NO SCALE



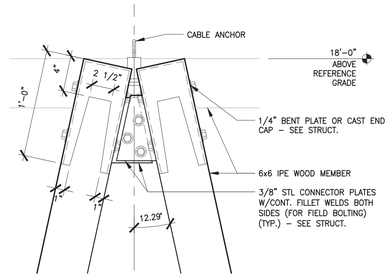
9 SECT. DETAIL - STRUT AND LIGHT FIXT.

6" = 1'-0"



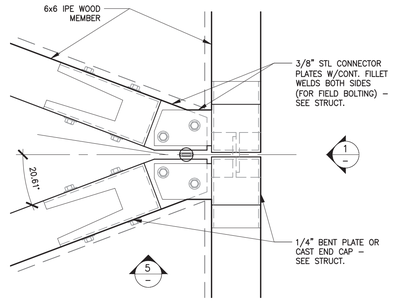
5 ELEV. DETAIL - UPPER CONNECT. 1

1-1/2" = 1'-0"



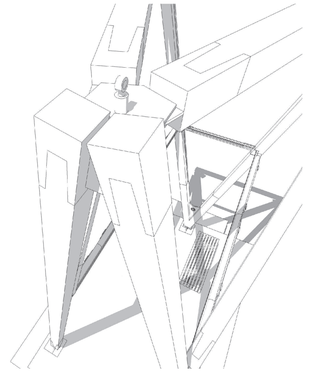
1 ELEV. DETAIL - UPPER CONNECT. 1

1-1/2" = 1'-0"



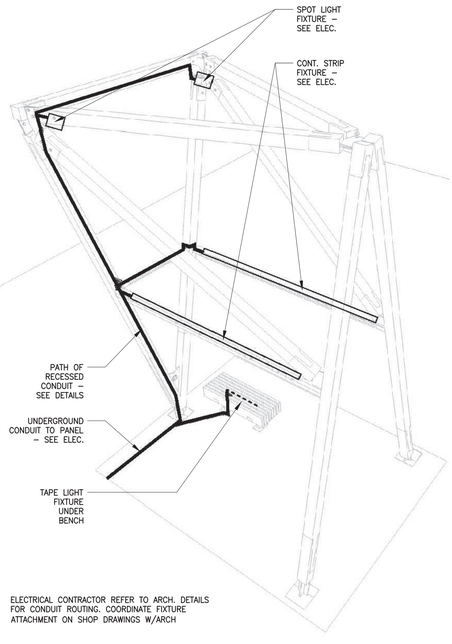
6 PLAN DETAIL - UPPER CONNECT. 1

1-1/2" = 1'-0"



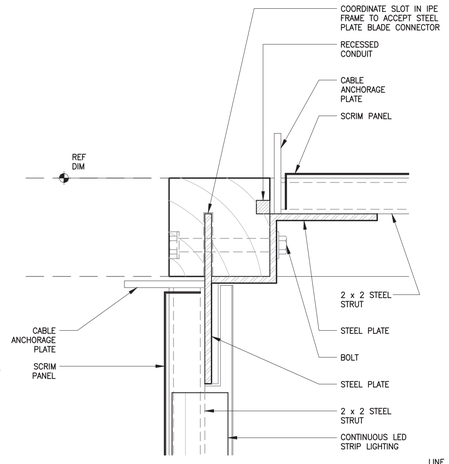
2 MODEL VIEW - UPPER CONNECT. 1

PERSPECTIVE - NO SCALE



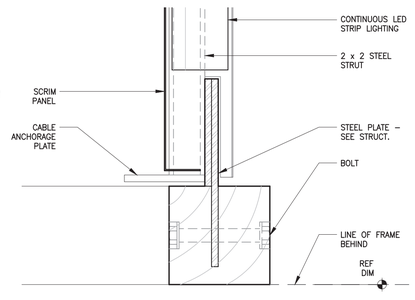
16 MODEL VIEW - WIRING DIAGRAM

PERSPECTIVE - NO SCALE



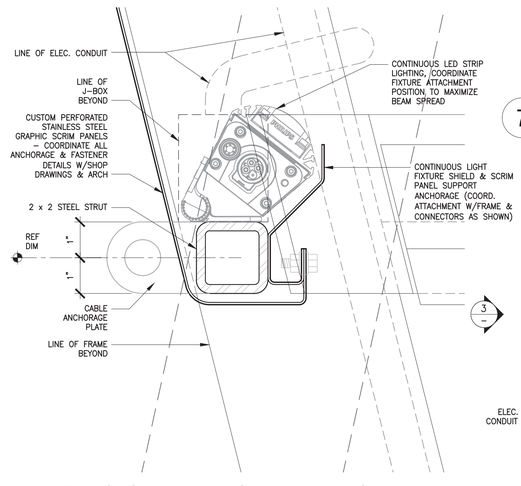
13 PLAN DETAIL - STRUT

3" = 1'-0"



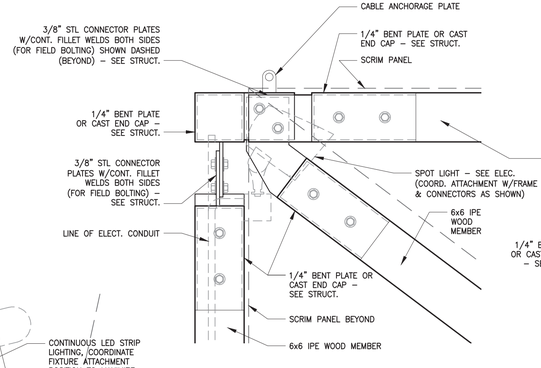
14 PLAN DETAIL - STRUT

3" = 1'-0"



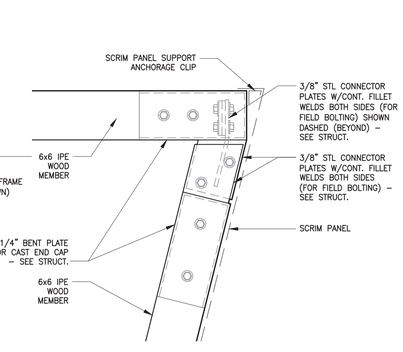
10 SECT. DETAIL - STRUT AND LIGHT FIXT.

6" = 1'-0"



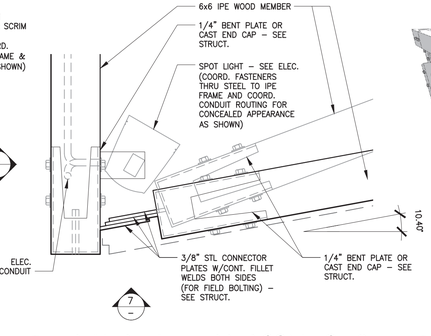
7 ELEV. DETAIL - UPPER CONNECT. 2

1-1/2" = 1'-0"



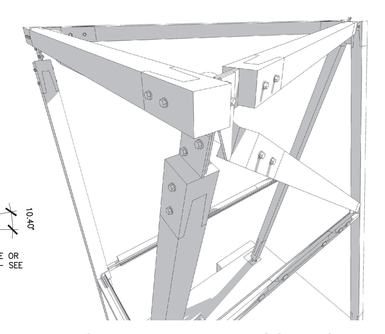
3 ELEV. DETAIL - UPPER CONNECT. 2

1-1/2" = 1'-0"



8 PLAN DETAIL - UPPER CONNECT. 2

1-1/2" = 1'-0"



4 MODEL VIEW - UPPER CONNECT. 2

PERSPECTIVE - NO SCALE

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DRAWN BY: | REVIEWED BY:

PHASE: BID DOCUMENTS

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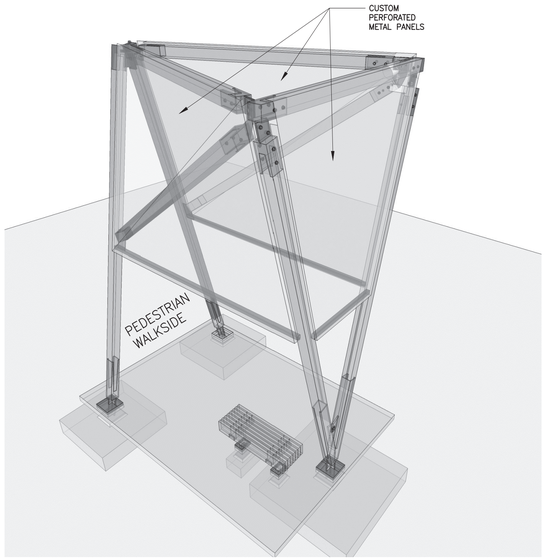
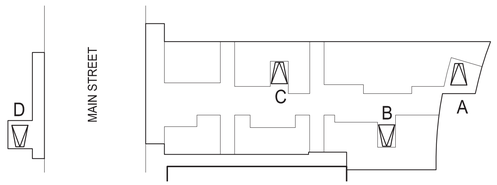
LANTERN BEACONS DETAILS

A03



13 MODEL VIEW - CUSTOM PERFORATED METAL PANELS

PERSPECTIVE - NO SCALE



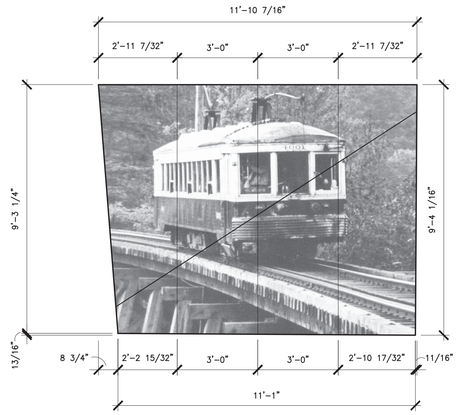
A -- TRANSPORTATION - FOCUSED LANTERN
B -- INDUSTRY / AGRICULTURE - FOCUSED LANTERN
C -- CULTURAL EVENTS - FOCUSED LANTERN
D -- RIVER / CREEK - FOCUSED LANTERN

14 KEY PLAN

1" = 20'

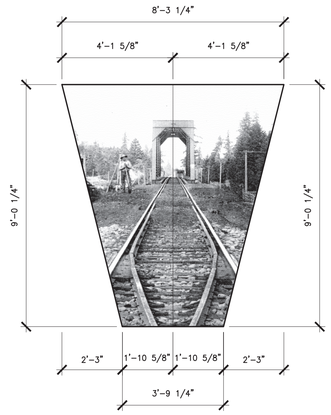
N

SEE SPECIFICATIONS AND PROVIDE FULL SHOP DRAWINGS FOR APPROVAL, INCLUDING MATERIAL INFORMATION, DIMENSIONS, AND ATTACHMENT DETAILS FOR ALL PANELS.



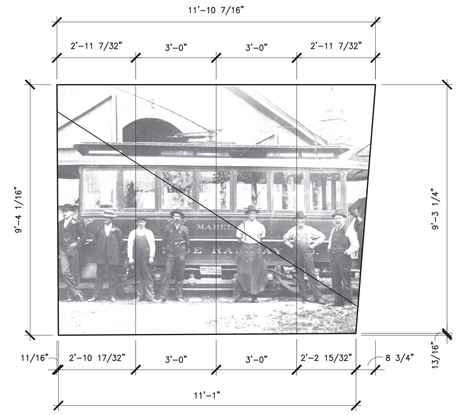
3 LANTERN A - EAST PANEL

1/2" = 1'-0"



2 LANTERN A - NORTH PANEL

1/2" = 1'-0"

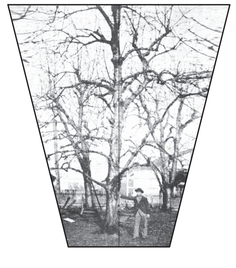


1 LANTERN A - WEST PANEL

3/8" = 1'-0"

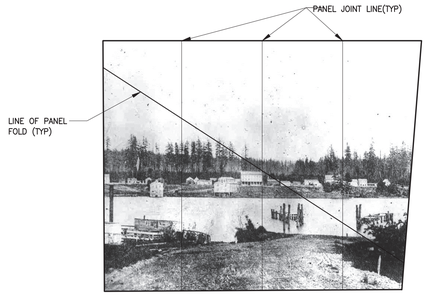
6 LANTERN B - WEST PANEL

1/2" = 1'-0"



5 LANTERN B - SOUTH PANEL

1/2" = 1'-0"

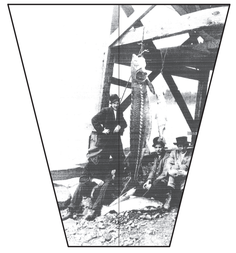


4 LANTERN B - EAST PANEL

3/8" = 1'-0"

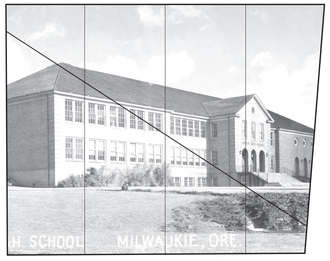
9 LANTERN C - EAST PANEL

1/2" = 1'-0"



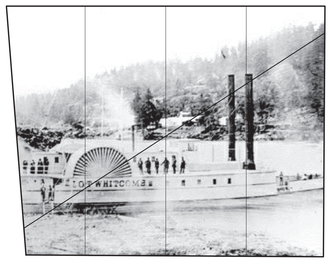
8 LANTERN C - NORTH PANEL

1/2" = 1'-0"



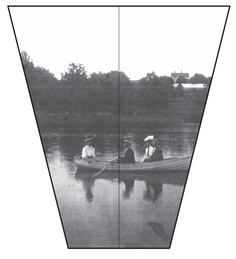
7 LANTERN C - WEST PANEL

3/8" = 1'-0"



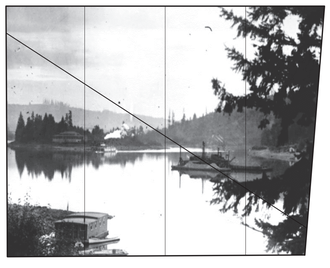
12 LANTERN D - WEST PANEL

1/2" = 1'-0"



11 LANTERN D - SOUTH PANEL

1/2" = 1'-0"



10 LANTERN D - EAST PANEL

3/8" = 1'-0"

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Adams Street Connector

City of Milwaukie, Oregon

REGISTERED ARCHITECT
JOANN D. LIE
PORTLAND, OREGON
STATE OF OREGON

PROJECT NUMBER: 1217

DRAWN BY:

REVIEWED BY:

PHASE: BID DOCUMENTS

ISSUE DATE: 03-06-2015

REVISIONS:

LANTERN BEACONS PERFORATED PANELS

A04

GENERAL STRUCTURAL NOTES

CODE REQUIREMENTS:
CONFORM TO THE INTERNATIONAL BUILDING CODE (I.B.C.), 2010 EDITION, AS AMENDED BY THE STATE OF OREGON.

TEMPORARY CONDITIONS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER THE FINAL CONFIGURATION ONLY.

DESIGN CRITERIA:
DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE 1997 UNIFORM BUILDING CODE. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN.

ALLOWABLE SOIL BEARING PRESSURE	1,500	PSF (ASSUMED TO BE VERIFIED BY SOILS ENGINEER PRIOR TO FOUNDATION CONSTRUCTION)
WIND	100 PSF - EXPOSURE B	

SEISMIC DESIGN WAS BASED UPON THE FOLLOWING:
SITE CLASSIFICATION D, SS = 72%, S1= 39% OF G.
R= 1.5 (CANTILEVER COLUMN)
I = 1.0

SUBMITTALS:
SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING:
A) STRUCTURAL STEEL & ALL METAL FABRICATIONS.

INSPECTION:
SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR SHALL BE PERFORMED FOR THE FOLLOWING:
1)CONCRETE PLACEMENT AND CYLINDER TESTING
2)STEEL FABRICATION AND ERECTION, ALL WELDS SHALL BE VISUALLY INSPECTED

CONCRETE:
CONCRETE WORK SHALL CONFIRM TO CHAPTER 26 OF THE UNIFORM BUILDING CODE. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

	ABSOLUTE WATER-CEMENT RATIO BY WEIGHT		
F' C (PSI)	NON AIR-ENTRAINED	AIR-ENTRAINED	USE
3,000	58	.46	ALL USES UNLESS OTHERWISE NOTED

HIGHER WATER/CEMENT RATIOS THAN SHOWN ABOVE MAY BE USED IF SUBSTANTIATED IN ACCORDANCE WITH ACI 318-89, CHAPTER 5. MINIMUM CEMENT CONTENT PER CUBIC YARD SHALL BE AS FOLLOWS:

F' C (PSI)	MINIMUM CEMENT PER CUBIC YARD
3,000	470 LBS.

FLYASH CONFORMING TO UBC STANDARD NO. 26-9, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY THE TEST DATA.
THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS, ALONG WITH TEST DATA AS REQUIRED, A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE.
A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, USED IN STRICT ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATION, SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING (HRWR) ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDING THAT THE SLUMP DOES NOT EXCEED 10". AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C250 SHALL BE USED IN CONCRETE MIXES FOR EXTERIOR HORIZONTAL SURFACES EXPOSED TO WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE 5% + 1% BY VOLUME.
SLEEVES, OPENING, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE POURING.
CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER. PROVIDE ¾" CHAMFERS ON ALL EXPOSED CONCRETE EDGES UNLESS NOTED OTHERWISE.

REINFORCING STEEL:
REINFORCING STEEL SHALL CONFORM TO ASTM A615, INCLUDING S1, GRADE 60, FOR DEFORMED BARS AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. BARS IN BEAMS AND SLABS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF THE STAND PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315. SHOP DRAWINGS SHALL INCLUDE ELEVATIONS OF ALL BEAMS AND COLUMNS SHOWING BAR LOCATIONS. LAP ALL REINFORCING BARS AT SPLICES 36 DIAMETERS, WITH A MINIMUM LAP OF 18", EXCEPT AS NOTED. MECHANICAL SPLICES NOTED ON THE PLANS SHALL BE DAYTON BAR-GRIP SPLICES OR APPROVED WITH A CURRENT ICBO APPROVAL REPORT.

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS:

USE	COVER
FOOTING BARS	3"

SLAB BARS SHALL BE HOOKED INTO WALLS, OR HOOKED DOWELS SHALL BE PROVIDED TO MATCH SLAB REINFORCING. PROVIDE TWO #4, 4'-0" LONG DIAGONALLY AT EACH RE-ENTRANT CORNER IN SLABS. PROVIDE HOOKED DOWELS FROM FOOTING TO MATCH VERTICAL WALL REINFORCING.

CONCRETE ACCESSORIES:
HEADED SHEAR STUDS SHALL BE NELSON HEADED ANCHORS WITH FLUXED ENDS OR APPROVED. DEFORMED BAR ANCHORS (DBA) SHALL BE NELSON, TYPE D2L, OR APPROVED. STUDS AND DBA SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT IN ACCORDANCE WITH THEIR RECOMMENDATIONS.
EXPANSION BOLTS SHALL BE HILTI KWIK BOLT-II OR APPROVED WITH EQUIVALENT ICBO ALLOWABLE TENSION AND SHEAR VALUES.
PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED, GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED. NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER CASTING.

STRUCTURAL STEEL & METAL FABRICATIONS:
STEEL SHALL BE ASTM A36, AS NOTED. TUBES SHALL BE ASTM A500, GRADE B (FY=46KSI). PIPES SHALL BE ASTM A501 OR ASTM A53, GRADE B. DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". BOLTS SHALL CONFORM TO THE ASTM SPECIFICATION FOR A307. WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS. PREQUALIFIED WELDING PROCEDURES ARE TO BE USED, UNLESS AWS QUALIFICATION IS SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION. VISIBLE WELDS ON BASE, STRUT, AND UPPER CONNECTIONS SHALL BE NEAT & CLEAN, OR GROUND SMOOTH AS DIRECTED. SEE ALSO SAMPLES REQUIRED IN SPECIFICATIONS 901, METAL FABRICATIONS.

SAWN LUMBER:
SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE THE SPECIES AND GRADE NOTED BELOW. SEE ALSO SAMPLES REQUIRED IN SPECIFICATIONS 1001, CARPENTRY.

USE	GRADE	FB(PSI) (BASE VALUE)
5½" X 5½" FRAME MEMBERS	RECLAIMED IPE	2250

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Adams Street Connector

City of Milwaukie, Oregon

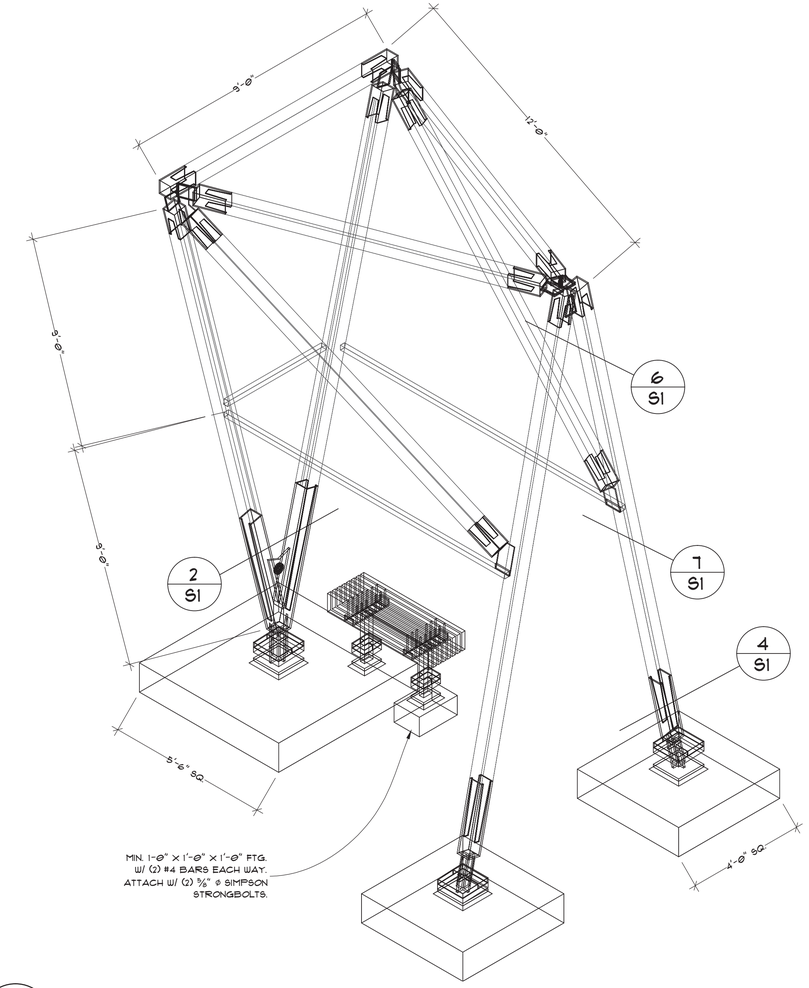
REGISTERED PROFESSIONAL ENGINEER 14775 OREGON JAN. 23, 1998 ROBERT GRUMMEL
EXPIRES 6/30/15

PROJECT NUMBER: 212187
DRAWN BY: D.H.S. REVIEWED BY: J.J.W.

ISSUE DATE:
BID DOCUMENTS
REVISIONS:
03-06-2015

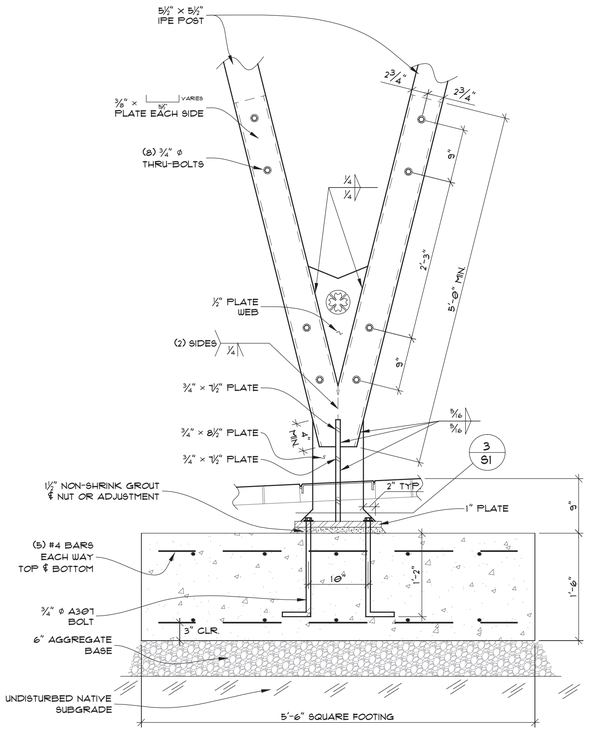
General Structural Notes

S00



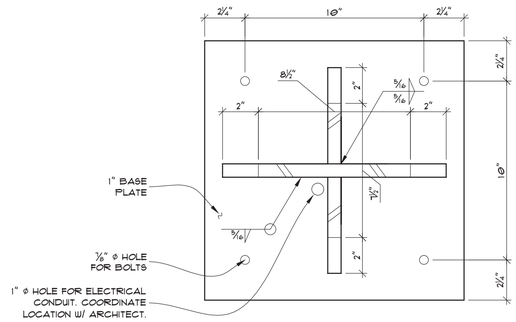
1 / S01 FRAME MODEL VIEW

NOT TO SCALE



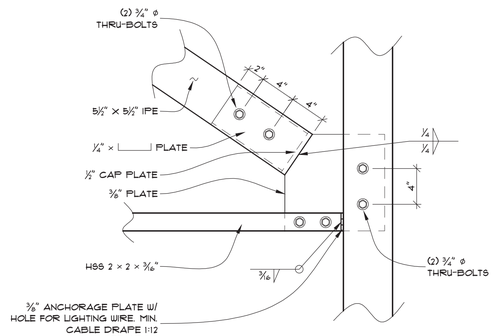
2 / S01 V-POST FOOTING DETAIL

SCALE: 1" = 1'-0"



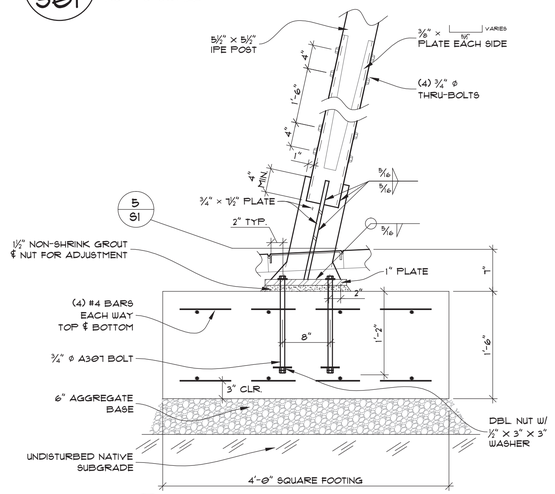
3 / S01 BASE PLATE DETAIL @ V-POST

SCALE: 3" = 1'-0"



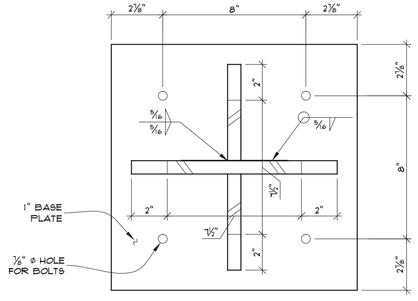
7 / S01 CONNECTION DETAIL

SCALE: 1½" = 1'-0"



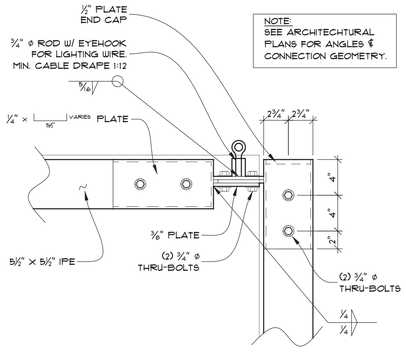
4 / S01 POST DETAIL

SCALE: ¾" = 1'-0"



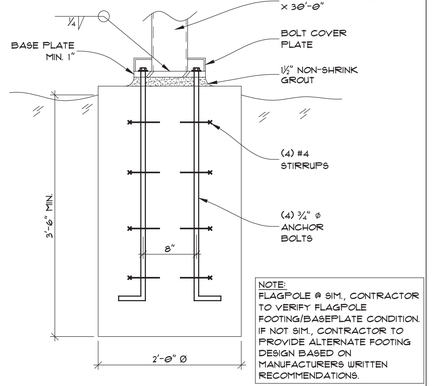
5 / S01 BASE PLATE DETAIL

SCALE: 3" = 1'-0"



6 / S01 CONNECTION DETAIL

SCALE: 1½" = 1'-0"



8 / S01 LIGHT POLE FOOTING

SCALE: 1½" = 1'-0"

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03-06-2015

Structural Details

S01

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMP
A	AMPERE (AMP)	KVAR	KILOVOLT AMPS REACTIVE
AL	ALUMINUM	LA	LIGHTNING ARRESTOR
ARCH	ARCHITECT / ARCHITECTURAL	LTG	LIGHTING
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW VOLTAGE
CB	CIRCUIT BREAKER	MATV	MASTER ANTENNA TELEVISION
C	CONDUIT	MCA	MINIMUM CIRCUIT AMPS
CCTV	CLOSED CIRCUIT TELEVISION	MCB	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL
CT	CURRENT TRANSFORMER	MECH	MECHANICAL
CU	COPPER	MH	METAL HALIDE
DN	DOWN	MLO	MAIN LUGS ONLY
EMERG	EMERGENCY	MV	MERCURY VAPOR
EMT	ELECTRIC METALLIC TUBING	MTS	MANUAL TRANSFER SWITCH
EP	EXPLOSION PROOF	NIC	NOT IN CONTRACT
EPO	EMERGENCY POWER OFF	NL	NIGHT LIGHT CIRCUIT
EWC	ELECTRIC WATER COOLER	PA	PUBLIC ADDRESS
FA	FIRE ALARM	PE	PHOTO ELECTRIC CELL
FLA	FULL LOAD AMPS	PF	POWER FACTOR
FLUOR	FLUORESCENT	PNL	PANELBOARD
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	PVC	POLYVINYL CHLORIDE CONDUIT
		PWR	POWER
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	SDP	SUB-DISTRIBUTION PANEL
		STR	STARTER
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	SV	SOLENOID VALVE
		SW	SWITCH
GFP	GROUND FAULT PROTECTION	TD	TIME DELAY
GFI	GROUND FAULT INTERRUPTER	TP	TAMPERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELEPHONE TERMINAL BOARD
GRC	GALVANIZED RIGID CONDUIT	TTC	TELEPHONE TERMINAL CABINET
GRD	GROUND	TV	TELEVISION
HP	HORSEPOWER	TYP	TYPICAL
HPS	HIGH PRESSURE SODIUM	UG	UNDERGROUND
HV	HIGH VOLTAGE	UPS	UNINTERRUPTABLE POWER SUPPLY
HZ	HERTZ	V	VOLTAGE
IG	ISOLATED GROUND	VA	VOLT AMPERES
INC	INCANDESCENT	VP	VAPOR PROOF
JB	JUNCTION BOX	W	WATTS
KW	KILOWATT	WP	WEATHER PROOF
KWH	KILOWATT HOUR	XFMR	TRANSFORMER
KV	KILOVOLT	XFSW	TRANSFER SWITCH

LIGHTING

- WALL LUMINAIRE: SURFACE, RECESSED
- FLUORESCENT LUMINAIRE: BARE LAMP
- POLE LIGHT: LUMINAIRES AS SHOWN
- BOLLARD
- $ $_2$ — WALL SWITCH: 1 POLE, 2 POLE
- $_3$ $_4$ — WALL SWITCH: 3 WAY, 4 WAY
- $_K$ $_M$ — WALL SWITCH: KEY LOCK, MOMENTARY
- $_{LV}$ $_P$ — WALL SWITCH: LOW VOLTAGE, PILOT
- $_T$ $_D$ — WALL SWITCH: TIMER, MANUAL DIMMER
- A — DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)
- NL — DESIGNATES NIGHT LIGHT CIRCUIT
- PE PE — PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED

POWER

- WALL RECEPTACLE: SINGLE, DUPLEX
- WALL RECEPTACLE: EMERGENCY, 4-PLEX
- WALL RECEPTACLE: ISOLATED GROUND
- CEILING RECEPTACLE: DUPLEX
- CONNECTION TO EQUIPMENT PROVIDED BY OTHERS
- DENOTES RECEPTACLE ABOVE COUNTER
- SPECIAL PURPOSE OUTLET AS NOTED, EMERGENCY
- J — JUNCTION BOX
- 60A 45F F — DISCONNECT SWITCH: FUSED, NON-FUSED
- C R S — CONTACTOR, RELAY, SOLENOID
- 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.

SIGNAL

TELECOMMUNICATIONS

- E — WALL OUTLET: TELEPHONE, EMERGENCY TELEPHONE, DATA
- D,U,R — WALL OUTLET: COMBINATION TELEPHONE/DATA
- CABLE/JACK QUANTITY
- M I A — WALL OUTLET: MICROPHONE, INTERCOM, AUDIO JACK

SECURITY

- CCTV CAMERA
- E — MANUAL EMERGENCY SECURITY STATION

ONE-LINE

- CIRCUIT BREAKER
- SWITCH, FUSED SWITCH
- BUSS
- METER
- XXX XX — PANEL
- X — FEEDER CALLOUT
- XXX — FAULT CURRENT CALLOUT

EQUIPMENT

- ELECTRICAL EQUIPMENT
- PANELBOARD: SURFACE, RECESSED
- CABINET: SURFACE, RECESSED
- T — TRANSFORMER
- GROUND ROD, IN TEST WELL
- GROUND PAD
- EQUIPMENT WITH DERIVED GROUND
- KWH PF — METER: KILOWATT HOUR, POWER FACTOR
- CT — CURRENT TRANSFORMER

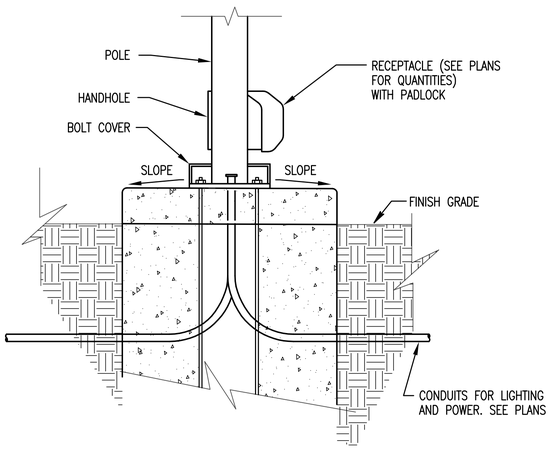
DESIGNATION SYMBOLS

- 123 — EQUIPMENT DESIGNATOR SEE SCHEDULE.
- E X — EXISTING TO REMAIN, EXISTING TO BE REMOVED
- R F — EXISTING TO BE RELOCATED, FUTURE
- N C — NEW, CONNECT TO
- 1 — NOTE

NOTE

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

CONTRACTOR SHALL PROVIDE ALL REQUIRED PERMITS AND APPLICABLE FEES.



GENERAL NOTES:

1. REFER TO STRUCTURAL ENGINEERING DRAWING FOR ADDITIONAL INFORMATION.

1 / E01 TYPICAL POLE BASE DETAIL

SCALE: NTS

LUMINAIRE SCHEDULE

Tag	Image	Description	Size	Watts	Lamp(s)	Ballast	Voltage	Product	Mounting	Finish	Notes
S1		**Pole for Adjustable LED Spotlight**	6" dia. X 30 pole length					Valmont, General Structures, Hapco or approved	Ground mount Pole, see pole base detail	As selected by Architect	BASE BID
S1A		**Adjustable LED Pole Mounted Light (6 Head Assembly)**	8 1/16" dia. 11 1/8" h 13 9/16" d	40W	LED 3000K	electronic	universal	ERCO Beamer 34469.000, Bega 7550LED or approved	Pole Mount	IP65 rated; As selected by architect	Spherolit lens, oval flood distribution BASE BID
S2		**Adjustable LED Color changing spotlight**	4 1/2" dia. 7" h 10" d	17.5W	LED RGB	DMX	universal	Color Kinetics ColorBurst Compact Powercore	Surface, SEE LANTERN DETAIL	IP66 rated; As selected by architect	23 degree spread lens SEE ALTERNATES
S3		**Linear LED RGBW**	3.8" w 2.5" h 39.4" l	60W	LED RGBW	DMX	universal	Acclaim Rebel Bar HIP AC series, Traxon or approved	Surface, SEE LANTERN DETAIL	IP65 rated; As selected by architect	SEE ALTERNATES
S4		**Linear LED Flexible Tape**	3/5" w 1/5" h length as indicated on plan	2.1W/FT.	LED 3000K	electronic power supply, remote	universal	Modalight Aqua Flex	Surface, SEE LANTERN DETAIL	IP67 rated	BASE BID

GENERAL NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING AND ROUTING REQUIREMENTS AT LANTERN STRUCTURE.
2. CATALOG NUMBERS DO NOT INCLUDE HANGER BARS, CLIPS AND/OR OTHER REQUIRED MOUNTING ACCESSORIES. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND PROVIDING THESE AND ALL OTHER PARTS, INCLUDING LAMPS, BALLASTS, TRANSFORMER, CABLES, ETC. NECESSARY FOR A COMPLETE, PROPER AND CODE COMPLYING INSTALLATION.
3. LOCATE ALL REMOTE DRIVERS AND BALLASTS PER MANUFACTURERS RECOMMENDATION WHERE NOT A PART OF THE LUMINIARE. CONNECT PER MANUFACTURERS RECOMMENDATION FOR DISTANCE AND CONDUCTOR TYPE/SIZE.

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Adams Street Connector

City of Milwaukie, Oregon

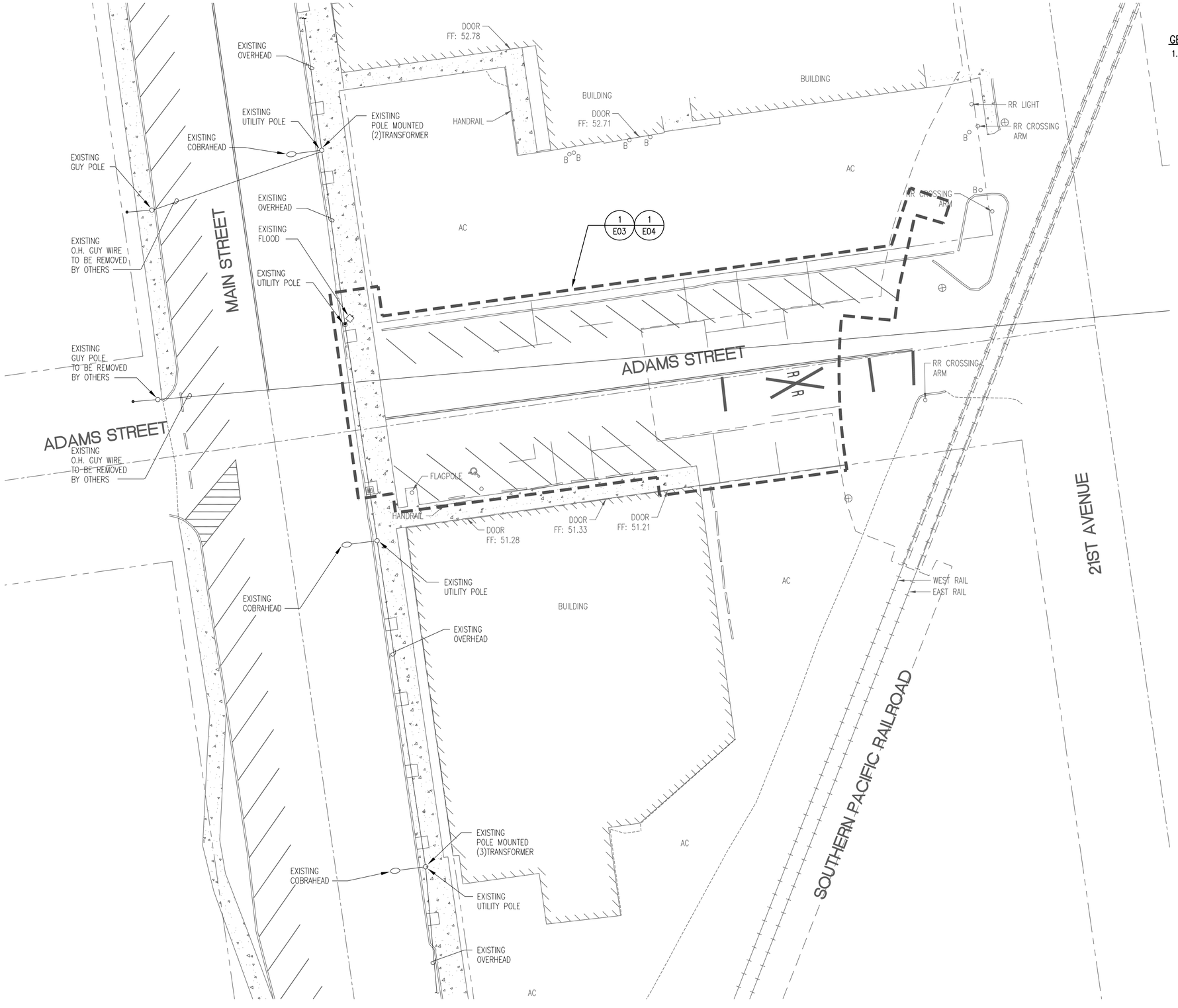
REGISTERED PROFESSIONAL ENGINEER 44775 OREGON JUN 13, 1995 GRANT R. PARTHEMER
EXPIRES 12-31-16
3/6/15

PROJECT NUMBER: 1217
DRAWN BY: TCN
REVIEWED BY: GP

PHASE: BID DOCUMENTS
ISSUE DATE: 03-06-2015
REVISIONS:

LEGENDS AND SYMBOLS ELECTRICAL

E01



GENERAL NOTES:

1. MAINTAIN INTEGRITY OF ALL CIRCUITS PASSING THROUGH THE DEMOLITION AREA THAT SERVE LOADS TO REMAIN IN USE. COORDINATE WITH CITY FOR ANY SHUTDOWNS THAT ARE REQUIRED. GUY WIRE TO BE REMOVED BY OTHERS – COORDINATE AS REQUIRED.

1 E02 **SITE PLAN – EXISTING – ELECTRICAL**

SCALE: 1/16" = 1'-0"

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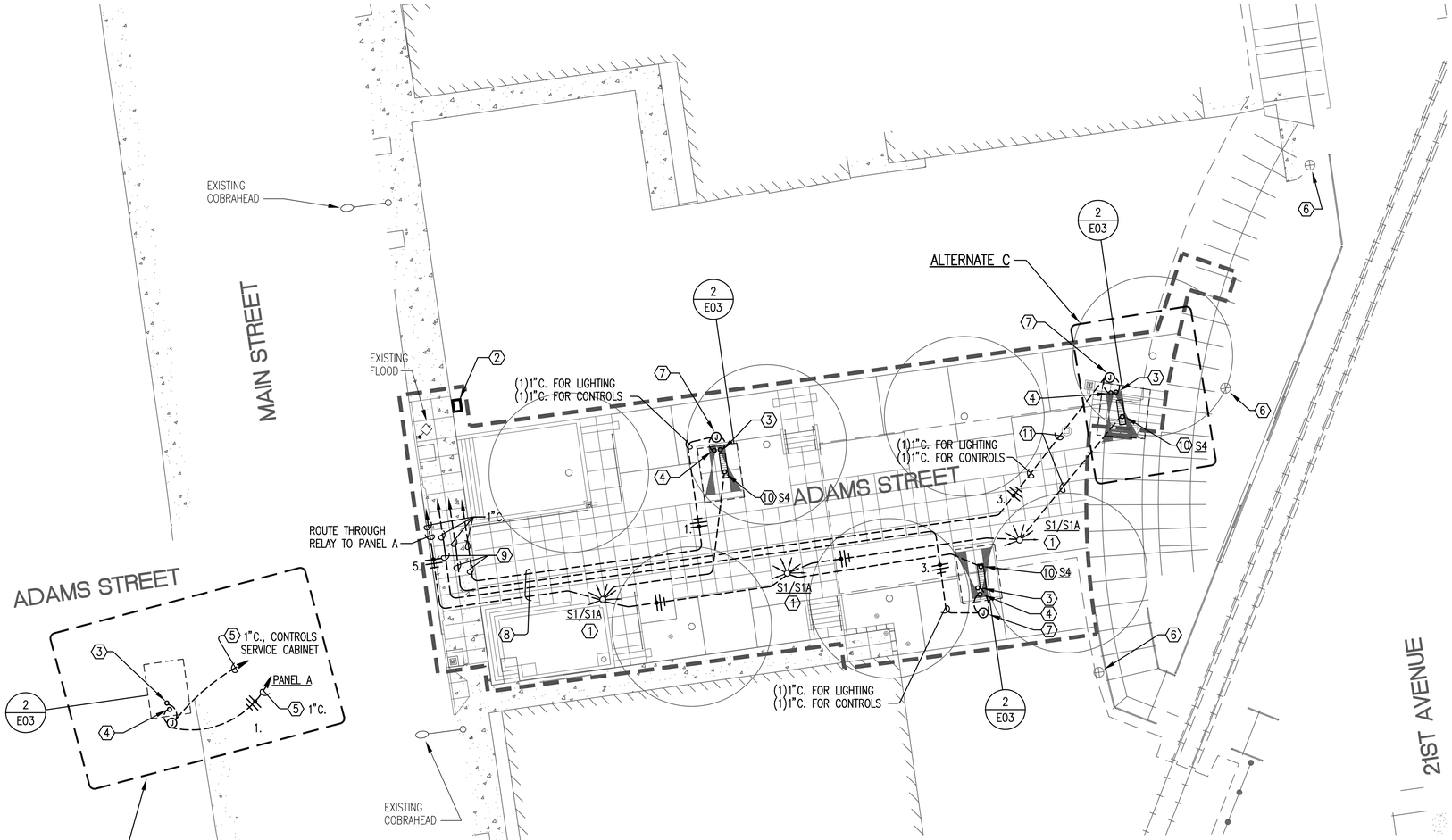
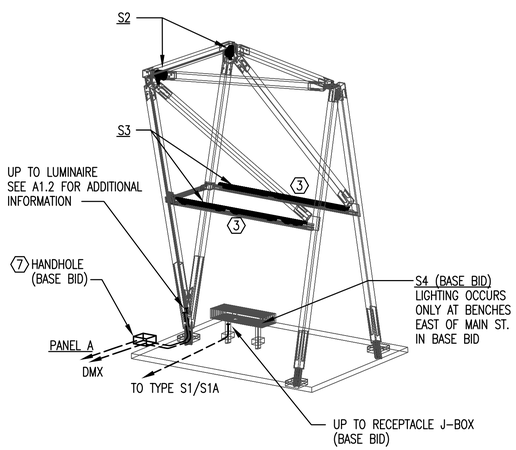
SITE PLAN EXISTING ELECTRICAL

E02

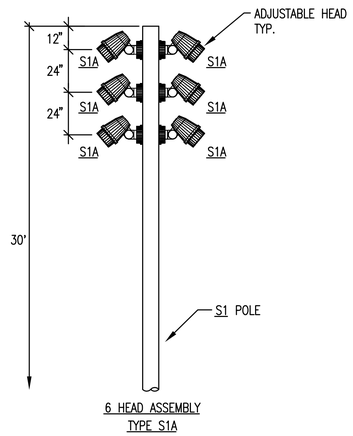


1 E03 **SITE PLAN – LIGHTING**
SCALE: 1/16" = 1'-0"

N



2 E03 **TYPICAL LANTERN LIGHTING DETAIL (ALT)**
SCALE: NTS



3 E03 **TYPICAL MAST LIGHT DETAIL**
SCALE: NTS

GENERAL NOTES:

1. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATIONS.
2. ALL CIRCUITING AND CONTROL CONDUITS AT LANTERNS AND BENCHES SHALL BE ROUTED WITHIN THE STRUCTURE WHERE POSSIBLE. WHERE SURFACE ROUTING IS NECESSARY, CONCEAL AND COORDINATE WITH ARCHITECT.
3. USE LONG SWEEPS TO MAKE BENDS FOR ALL CONDUIT.
4. COORDINATE WITH LANDSCAPE ARCHITECT FOR EXACT CONDUIT ROUTING PRIOR TO TRENCHING.

NOTES:

1. REFER TO DETAIL 3/E03 FOR MAST LIGHT DETAIL.
2. LOCATE DMX EQUIPMENT/INTERFACE IN NEW ELECTRICAL CABINET. SEE DETAIL 1/E06.
3. CONNECT DMX CONTROL TO ALL FIXTURES ON THE LANTERN. WIRE PER MANUFACTURERS RECOMMENDATION. ROUTE DMX CONTROL WIRE IN CONDUIT. TIGHT AND CONCEAL. REFER TO SHEET A1.2 AND GENERAL NOTE 2 FOR ROUTING INFORMATION.
4. EXTEND POWER TO LUMINAIRES MOUNTED IN STRUCTURE. CONCEAL CONDUIT FROM SIGHT. ROUTE TIGHT TO STRUCTURE. COORDINATE FINAL CONDUIT ROUTING. REFER TO SHEET A1.2 AND GENERAL NOTE 2 FOR ADDITIONAL INFORMATION.
5. BORE CONDUIT UNDER STREET OR TRENCH AND PATCH AS REQUIRED ACROSS STREET PER CITY OF MILWAUKIE. COORDINATE WITH CITY OF MILWAUKIE FOR REQUIREMENTS. INCLUDE ALL STREET CLOSURE PERMITS AND COST.
6. NOT IN CONTRACT. LIGHTING BY OTHERS.
7. PROVIDE 18"x18"x12" HANDHOLE FOR LIGHTING. COORDINATE WITH LANDSCAPE PRIOR TO INSTALL. PROVIDE LINE VOLTAGE AND LOW VOLTAGE SEPARATION.
8. ROUTE ALL BRANCH CIRCUITS IN A COMMON TRENCH TO MITIGATE SITE DISTURBANCE AND ALLOW EASE OF MAINTENANCE.
9. ROUTE POWER TO PANEL A. ROUTE 1" C. TO DMX CONTROLLER AND WIRE PER MANUFACTURERS RECOMMENDATIONS FOR CONTROL INTENT.
10. ROUTE TO FIXTURE TYPE S4 IN BENCH. CONTROL WITH TYPE S1 THROUGH RELAY.
11. PROVIDE CONDUIT TO HANDHOLE IF ALTERNATE C IS NOT ACCEPTED. PROVIDE PULL STRING CAP AND MARK FOR FUTURE.

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REGISTERED PROFESSIONAL ENGINEER 44775 OREGON JULY 13, 1999 GRANT R. PARTHEMER
EXPIRES 12-31-16
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PROJECT NUMBER: 1217
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REVIEWED BY: ZS

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SITE PLAN LIGHTING

E03

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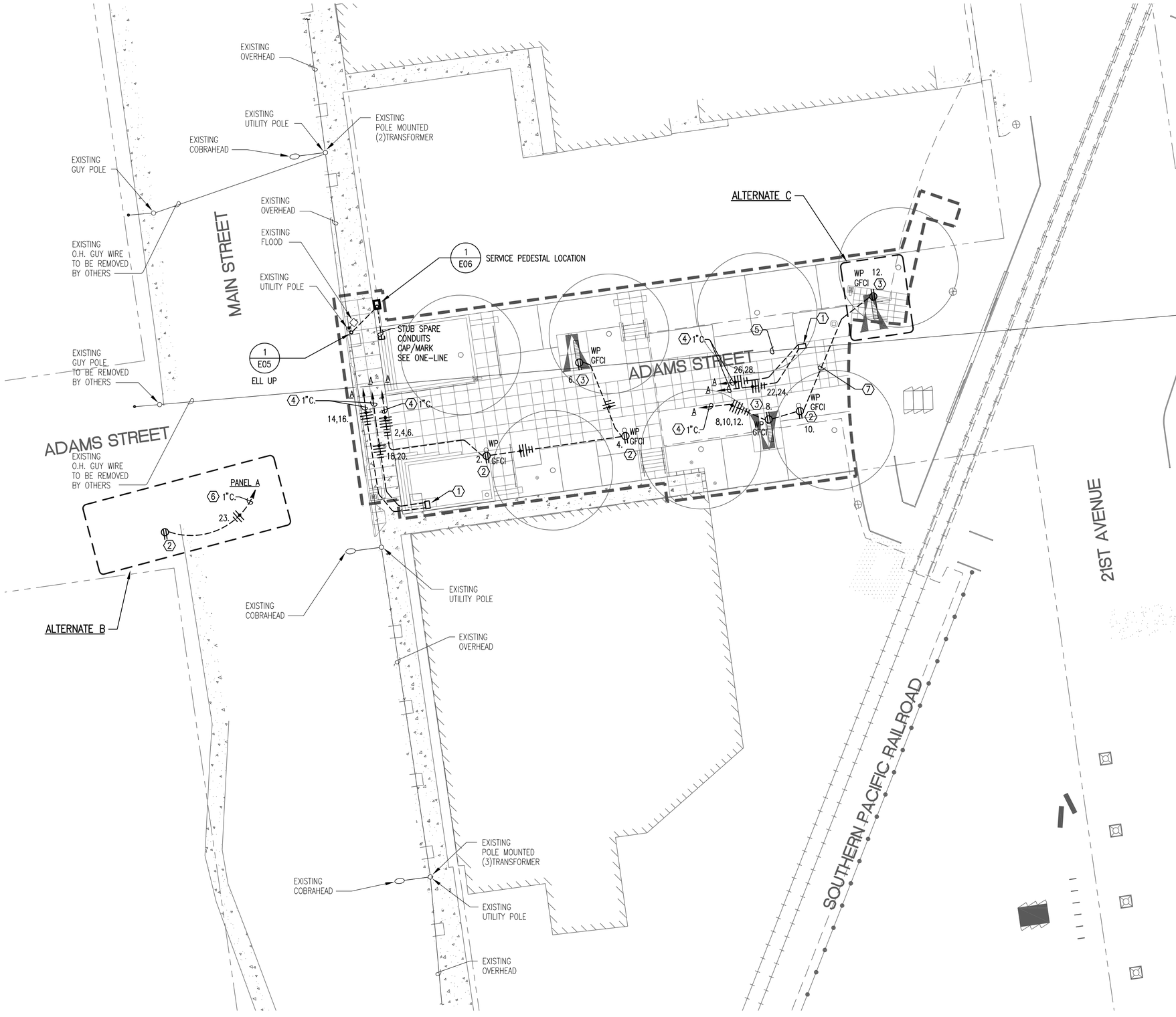

1 E04 **SITE PLAN – POWER**
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

1. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATIONS.
2. ALL CIRCUITING AND CONTROL CONDUITS AT LANTERNS AND BENCHES SHALL BE ROUTED WITHIN THE STRUCTURE WHERE POSSIBLE. WHERE SURFACE ROUTING IS NECESSARY, CONCEAL AND COORDINATE WITH ARCHITECT.
3. USE LONG SWEEPS TO MAKE BENDS FOR ALL CONDUIT.
4. COORDINATE WITH LANDSCAPE ARCHITECT FOR EXACT CONDUIT ROUTING PRIOR TO TRENCHING.

NOTES:

1. PULL BOX WITH WP GFCI RECEPTACLE. SEE 2/E06 FOR DETAILS. COORDINATE WITH LANDSCAPE ARCHITECT FOR EXACT PLACEMENT AND WITHIN LANDSCAPE.
2. MOUNT GFCI INUSE WP RECEPTACLE HUBBEL #WP26M WITH PADLOCK. AT BOTTOM OF S1 POLE. COORDINATE WITH POLE MANUFACTURER FOR REQUIREMENTS.
3. MOUNT WP GFCI RECEPTACLE AT BENCH. COORDINATE FOR EXACT LOCATION PRIOR TO ROUGH IN. REFER TO ARCHITECTURAL DRAWING DETAILS FOR MOUNTING DETAIL.
4. REFER TO E03 FOR COMMON CONDUIT TRENCH ROUTING.
5. GUY WIRE TO BE REMOVED BY OTHERS COORDINATE AS REQUIRED.
6. BORE CONDUIT UNDER STREET OR TRENCH AND PATCH AS REQUIRED ACROSS STREET PER CITY OF MILWAUKIE. COORDINATE WITH CITY OF MILWAUKIE FOR REQUIREMENTS. INCLUDE ALL STREET CLOSURE PERMITS AND COST.
7. PROVIDE CONDUIT TO HANDHOLE IF ALTERNATE C IS NOT ACCEPTED. PROVIDE PULL STRING CAP AND MARK FOR FUTURE.

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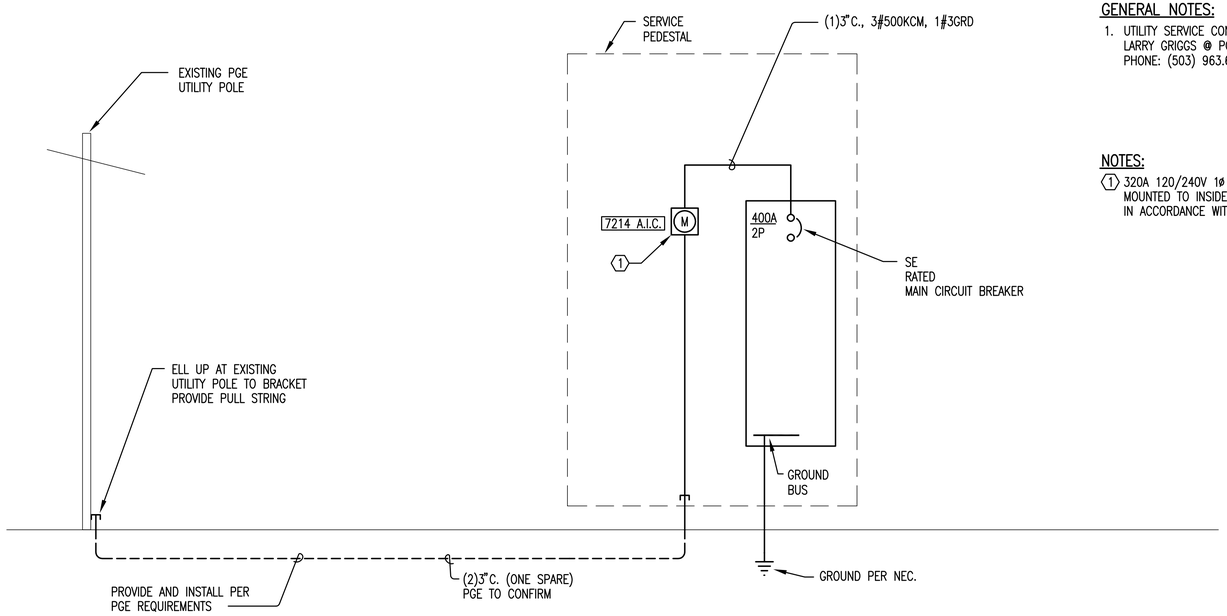
REVISIONS:

SITE PLAN POWER

E04

Date: 3/6/15 Time: 9:36am File: P:\2012\12-1621.00 – Adams Street Connector\01 Drawings\CAD\12-1621E04.dwg User: johnm

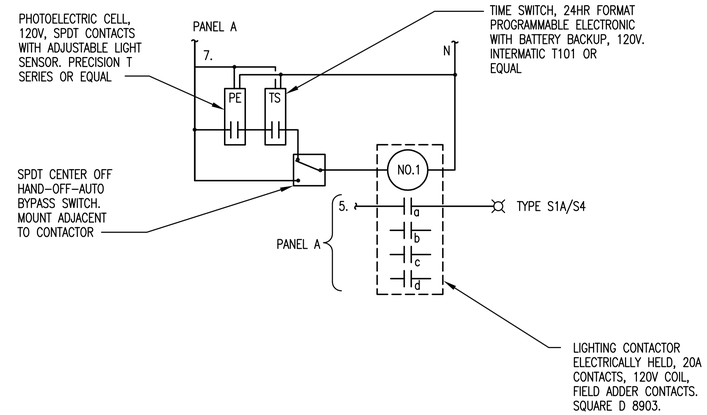


GENERAL NOTES:

1. UTILITY SERVICE CONTACT:
   LARRY GRIGGS @ PGE
   PHONE: (503) 963.6860

NOTES:

(1) 320A 120/240V 1ø 3W METER BASE MOUNTED TO INSIDE OF PEDESTAL IN ACCORDANCE WITH PGE STANDARDS.



1 E05 ONE-LINE DIAGRAM 240/120V, 1-PHASE, 3 WIRE - ELECTRICAL

SCALE: NONE

DESIGNATION: PANEL A		PROJECT NAME: Adam Street Connector					LOCATION: SERVICE PEDESTAL
VOLTAGE: 240Y/120V - 1 Ph - 3 Wire	BUS RATING(A): 400	MAIN(A): 400	SCCR(KA): 10	AVAILABLE FAULT(A): 7068	MOUNTING: Surface	ENCLOSURE: NEMA 3R	NOTES:

NOTES	DESCRIPTION	DEMAND CATEGORY	VA	BKR A/P	CIRCUIT #	PHASE	CIRCUIT #	BKR A/P	VA	DEMAND CATEGORY	DESCRIPTION	NOTES
	LANTERN AND BENCH LIGHTING	NLighting	854	20/1	1	A	2	20/1	180	NReceptacles	RECEPTACLE AT LIGHT POLE	
	LANTERN AND BENCH LIGHTING	NLighting	854	20/1	3	B	4	20/1	180	NReceptacles	RECEPTACLE AT LIGHT POLE	
	POLE MAST LIGHT	NLighting	784	20/1	5	A	6	20/1	180	NReceptacles	RECEPTACLE AT BENCH	
	TIME CLOCK	NEquipment	250	20/1	7	B	8	20/1	180	NReceptacles	RECEPTACLE AT LIGHT POLE	
	IRRIGATION CONTROLLER	NEquipment	500	20/1	9	A	10	20/1	180	NReceptacles	RECEPTACLE AT BENCH	
	DMX CONTROLLER	NEquipment	500	20/1	11	B	12	20/1	180	NReceptacles	RECEPTACLE AT BENCH	
	SPARE			20/1	13	A	14	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	SPARE			20/1	15	B	16	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	SPARE			20/1	17	A	18	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	SPARE			20/1	19	B	20	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	SPARE			20/1	21	A	22	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	RECEPTACLE AT BENCH (ALT B)	NReceptacles	180	20/1	23	B	24	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
	RECEPTACLE IN PEDESTAL	NReceptacles	360		25	A	26	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
					27	B	28	20/1	1500	NReceptacles	IN GROUND RECEPTACLE	
					29	A	30					
					31	B	32					
					33	A	34					
					35	B	36					
					37	A	38					
					39	B	40					
					41	A	42					

DEMAND CATEGORY	Aph(VA)	Bph(VA)	Cph(VA)	TOTAL
NLighting	1967	1067	0	3035
NReceptacles	5207	4937	0	10143
NEquipment	500	750	0	1250
DESIGN LOAD:	7674	6754	0	14428

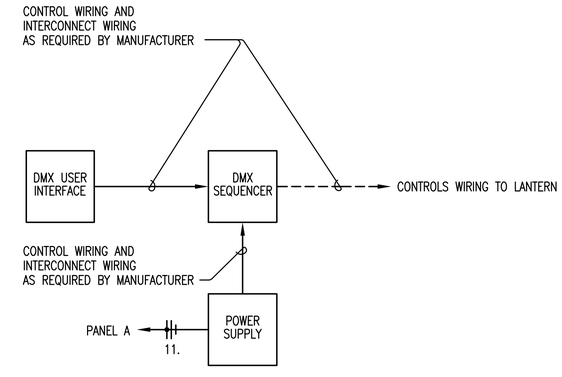
TOTAL CONNECTED LOAD	VA:	17298
	AMPS:	66.1
TOTAL DESIGN LOAD	VA:	14428
	AMPS:	55.4

2 E05 PANEL SCHEDULE - ELECTRICAL

SCALE: NONE

3 U3.0 CONTROL DIAGRAM - ELECTRICAL

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



GENERAL NOTES:

1. SEE 1/E06 FOR LOCATION OF EQUIPMENT WITHIN PEDESTAL. CONFIRM MOUNTING REQUIREMENTS.

4 E05 DMX CONTROL DIAGRAM (ALT A)

SCALE: NONE

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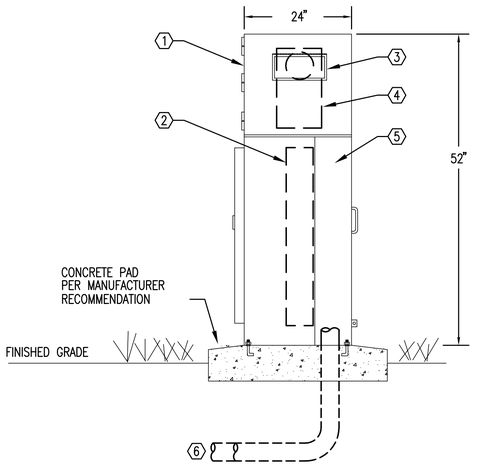
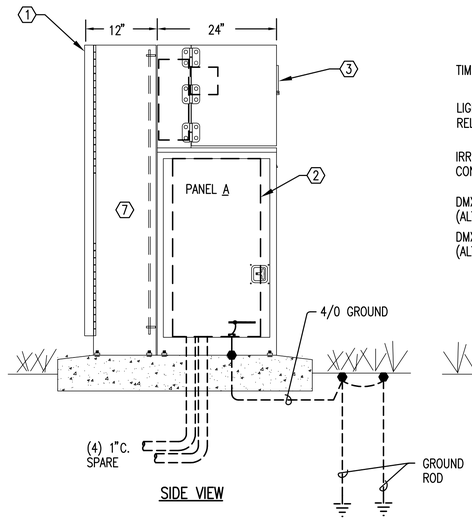
DETAILS ELECTRICAL

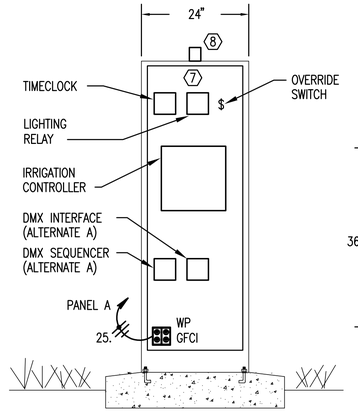
E05



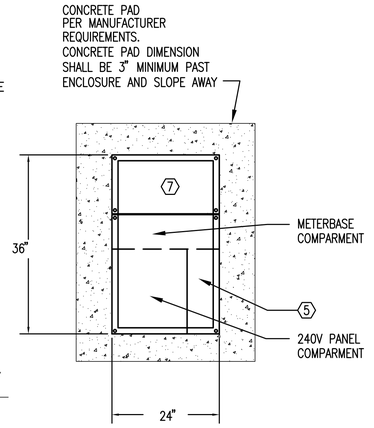
FRONT VIEW



SIDE VIEW



REAR VIEW



PLAN VIEW

GENERAL NOTES:

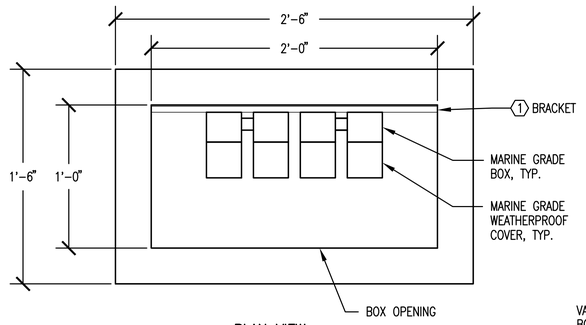
1. INSTALL ALL COMPONENTS PER MANUFACTURERS REQUIREMENTS.
2. PROVIDE IN USE WP ACRYLIC COVERS ON ALL RECEPTACLES. EQUAL TO TAYMAC. (NOTE: ACRYLIC ONLY IN SERVICE PEDESTAL, MARINE GRADE ELSEWHERE).
3. SERVICE PEDESTAL SHALL ACCOMMODATE ALL EQUIPMENT AS NOTED.

SHEET NOTES:

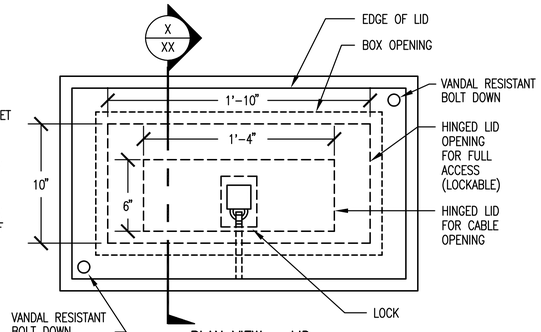
1. SERVICE CABINET STAINLESS STEEL NEMA 3R, TESCO CONTROLS 28-600 SERIES, STRONG BOX, MILLBANK OR APPROVED
2. CUSTOM PANEL A FURNISHED WITH SERVICE CABINET PROVIDE BREAKERS AS SHOWN PANEL SCHEDULE.
3. VIEWING WINDOW.
4. METER BASE SQUARE D, CIRCLE AW OR EQUAL. PROVIDE PER PGE REQUIREMENTS.
5. UTILITY COMPARTMENT.
6. CONDUIT TO UTILITY TRANSFORMER. SEE 1/E05.
7. CUSTOMER COMPARTMENT.
8. PROVIDE 120V PHOTOCELL ON TOP OF CABINET. MOUNT FACING NORTH. SEE 3/E05 FOR WIRING DIAGRAM.

1/E06 SERVICE PEDESTAL DETAILS – ELECTRICAL

SCALE: NONE



PLAN VIEW



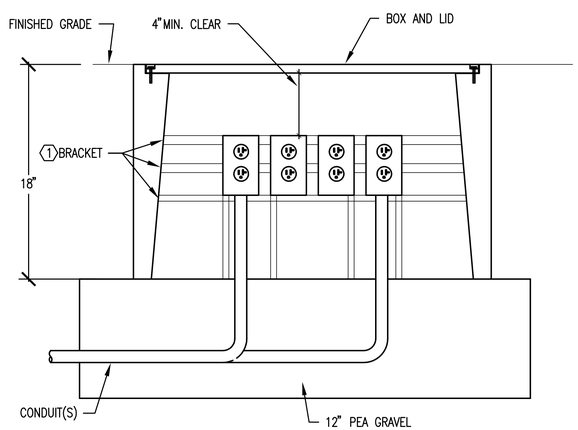
PLAN VIEW – LID

GENERAL NOTES:

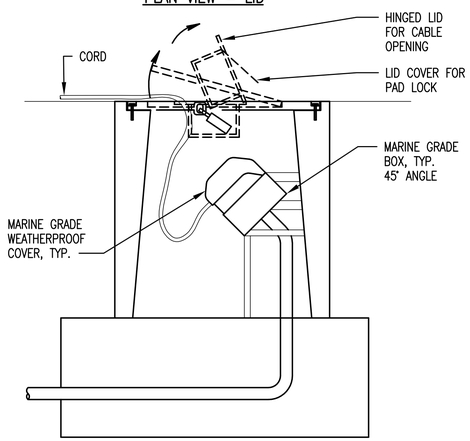
1. THIS DESIGN IS BASED ON CONCAST BOX FH-18-30-18 WITH UNITED SALES ASSOCIATES MANUFACTURER CUSTOM LID, CONTRACTOR MAY SUBMIT ALTERNATE MANUFACTURER. WET LABEL WEATHER PROOF FOR DIRECT RAIN.
2. PROVIDE SHOP DRAWINGS TO OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION.

NOTES:

1. PROVIDE UNISTRUT BRACKET TO ELEVATE RECEPTACLE BOX ABOVE DRAIN GRAVEL AS REQUIRED.



SECTION VIEW



SECTION X/XX

2/E06 IN GROUND RECEPTACLE MOUNTING DETAIL

SCALE: NONE

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E06