

SHEET LAYOUT NOT TO SCALE

REFER TO SHEET C3.0, CSMP, FOR CONSTRUCTION WORK PHASE/SEQUENCING REQUIREMENTS.

# **GENERAL NOTES:**

EXISTING TOPOGRAPHIC INFORMATION IS FROM SURVEY PROVIDED BY BAKER & ASSOCIATES, JANUARY 02, 2013.

ELEVATIONS SHOWN ON THE DRAWINGS ARE BASED ON CITY OF EUGENE BENCHMARK NO. SE0582, SE BOLT OF RADIO TOWER AT 200 NORTH MONROE. ELEVATION = 413.00'. BASIS OF BEARING: CENTERLINE OF ASH STREET, PER CSF NO. 28319.

PERFORM WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENT.

4. NOTIFY THE CITY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY

WITH ALL OTHER REQUIREMENTS OF ORS 757.541 TO 757.571 INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT RELIEVE THE CONTRACTOR FROM ANY OBLIGATIONS TO PERFORM THE WORK IN STRICT

COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS. CONFORM TO OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY STORM WATER PERMIT NO. 1200C FOR CONSTRUCTION ACTIVITIES WHERE 1 ACRES OR MORE ARE DISTURBED. MORE THAN ONE ACRE OF GROUND DISTURBANCE WILL OCCUR WITH THIS PROJECT AND A 1200-C PERMIT IS REQUIRED. REFER TO

SHEET 3.0, CSMP, FOR REQUIRED PROJECT TEMPORARY EROSION CONTROL MEASURES.

REFER TO SHEETS <u>C5.0</u> & <u>5.1</u>, GRADING PLAN, FOR VERTICAL CONTROL. REFER TO SHEETS C4.0 & C4.1, FOR HORIZONTAL CONTROL AND SITE DIMENSIONING.

# **EXISTING UTILITIES & FACILITIES.**

LOCATION AND DESCRIPTION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS OR FIELD SURVEYS. THE OWNER AND UTILITY COMPANIES DO NOT GUARANTEE ACCURACY OR COMPLETENESS OF SUCH RECORDS. VERIFY SIZES AND LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

10. PER OREGON LAW, FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. RULES ARE SET FORTH IN OAR 952-001-00100 THROUGH OAR 952-001-0090. OBTAIN COPIES OF THE RULES FROM OREGON UTILITY NOTIFICATION CENTER (503) 232-1987 OR 1-800-332-2344).

LOCATE AND MARK EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. REPLACE MONUMENTS DISTURBED DURING

CONSTRUCTION OF PROJECT BY REGISTERED LAND SURVEY RETAINED AT THE CONTRACTOR'S EXPENSE. REPLACE DISTURBED MONUMENTS WITHIN A MAXIMUM OF 90 DAYS, AND NOTIFY COUNTY SURVEYOR IN WRITING AS REQUIRED BY ORS 209.150.

12. FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES WHERE NEW FACILITIES CROSS. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE MODIFICATION IS NECESSARY, NOTIFY THE ENGINEER FOR COORDINATION. MODIFICATIONS SHALL BE APPROVED PRIOR TO CONSTRUCTION. UTILITY CROSSING SHALL BE POT HOLED AS NECESSARY, PRIOR TO EXCAVATING OR BORING TO PREVENT GRADE ALIGNMENT CONFLICTS.

13. MAINTAIN EXISTING FACILITIES IN-PLACE UNLESS OTHERWISE SHOWN OR DIRECTED. TAKE PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. LEAVE EXISTING UTILITIES IN EQUAL OR

BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER AND CITY. 14. REMOVE UTILITIES OR INTERFERING PORTIONS OF UTILITIES ABANDONED IN PLACE TO EXTENT NECESSARY TO ACCOMPLISH WORK.

# GRADING, PAVING, & DRAINAGE:

REVIEW CONTRACT SPECIFICATIONS FOR EARTHWORK REQUIREMENTS. WORK SHALL CONFORM TO SPECIFICATIONS.

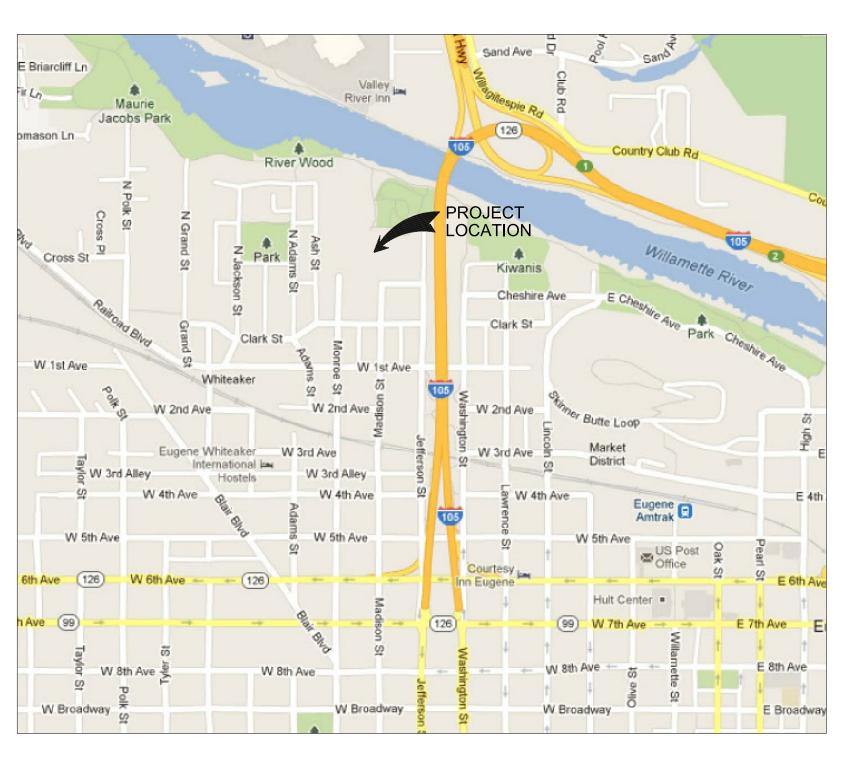
- MANAGE CONSTRUCTION ACTIVITIES TO INSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, DUST OR DEBRIS. MAINTAIN DUST ABATEMENT BY ADEQUATE WATERING OF THE SITE.
- 17. UNLESS OTHERWISE SHOWN ON DRAWINGS, STRAIGHT GRADES SHALL BE RUN BETWEEN ALL FINISH GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN. MATCH FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT EXISTING OR BE FEATHERED PAST JOINTS WITH EXISTING PAVEMENT AS REQUIRED TO PROVIDE SMOOTH, FREE DRAINING SURFACE.
- 18. ADJUST EXISTING OR CONSTRUCTED MANHOLES, CLEAN OUTS, MONUMENTS, WATER VALVES AND SIMILAR STRUCTURES TO MATCH FINISH GRADE OF PAVEMENT, SIDEWALK OR LANDSCAPED AREA WHERE IN THEY LIE.
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, NO CUT OR FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 4H:1V.

# GRADING SHOWN ON THE DRAWINGS IS CRITICAL TO FUNCTIONING OF STORM DRAIN SYSTEM AND SHALL BE STRICTLY FOLLOWED.

### **CURBS & SIDEWALKS**

- 21. UNLESS OTHERWISE SHOWN OR INDICATED ON THE DRAWINGS, 6-INCHES NOMINAL CURB USED FOR DESIGN OF ALL PARKING LOT AND ROAD GRADES. 22. CURB QUANTITIES SHOWN ARE FOR THE PURPOSE OF IDENTIFYING CURB TYPE. ACTUAL QUANTITIES MAY VARY. PROVIDE QUANTITIES REQUIRED FOR LAYOUT SHOWN.
- CONSTRUCT SIDEWALKS AND VEHICLE PAVEMENTS TO THE FULL THICKNESS SHOWN.
- WHERE WORK REQUIRES REMOVAL OF EXISTING PCC CURBS AND/OR SIDEWALKS, SAW CUT AND REMOVE THE CURBS AND/OR SIDEWALKS AT TOOLED JOINTS. SAW CUT LINES SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.





<u>VICINITY MAP</u> NOT TO SCALE

### PIPE UTILITIES:

COORDINATE WITH SERVING UTILITY COMPANY

ABANDON EXISTING STORM DRAINS NOT SCHEDULED TO REMAIN IN SERVICE - REMOVE OR FILL WITH CDF.

PROVIDE FITTINGS AS REQUIRED TO COMPLETE PIPE CONNECTIONS AND TRANSITIONS PER PLANS, CONFORMING TO TRENCHING REQUIREMENTS AND SITE GRADES.

MANHOLE RIM ELEVATIONS ARE APPROXIMATE. FINAL RIM ELEVATIONS MAY VARY AND SHALL MATCH ELEVATIONS OF ADJACENT SURFACES.

29. PROVIDE ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING UTILITY PIPING IN ACCORDANCE WITH CONSTRUCTION SPECIFICATIONS.

TRACER WIRE. AT NONMETALLIC WATER, SANITARY AND STORM SEWER PIPING PROVIDE ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN FOR STORM AND SANITARY PIPING. EXTEND TRACER WIRE UP INTO MANHOLES AND CATCH BASINS. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18-INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE STEPS. TIE TRACER WIRE TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORT TO ALLOW RETRIEVAL FROM OUTSIDE OF THE MANHOLE.

31. COORDINATE WITH PLUMBING INSPECTOR PRIOR TO CONNECTION OF PRIVATE STORM AND SANITARY SEWER PIPING TO EXISTING SYSTEMS.

# **STORM DRAIN**

STORM DRAIN PIPE MATERIALS SHALL CONFORM TO THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS. USE UNIFORM PIPE MATERIAL ON EACH PIPE RUN BETWEEN STRUCTURES UNLESS OTHERWISE DIRECTED OR APPROVED. JOINTED HDPE PIPE SHALL NOT BE USED FOR SLOPES EXCEEDING TEN PERCENT (10%).

33. SET CATCH BASINS SQUARE WITH BUILDINGS OR WITH THE EDGE OF THE PARKING LOT OR STREET WHEREIN THEY LIE. ADJUST STORM DRAIN INLET STRUCTURES AND PAVING SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.

34. UNLESS OTHERWISE APPROVED, ALL STORM DRAIN CONNECTIONS SHALL BE MANUFACTURED TEES AND SADDLES. SWEEP (DEFLECT) STORM DRAIN PIPE INTO CATCH BASINS AND MANHOLES AS REQUIRED. MAXIMUM JOINT DEFLECTION SHALL NOT EXCEED 5 DEGREES OR MANUFACTURERS RECOMMENDATIONS, WHICHEVER IS LESS.

36. UNLESS OTHERWISE SPECIFIED OR DIRECTED, INSTALL STORM DRAIN PIPE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES.

# WATER

THE WORK SHALL BE PERFORMED IN A MANNER DESIGNATED TO MAINTAIN WATER SERVICE TO BUILDINGS SUPPLIED FROM THE EXISTING WATERLINES. IN NO CASE SHALL SERVICE TO ANY MAIN LINE OR BUILDING BE INTERRUPTED WITHOUT OWNER APPROVAL. SANITARY SEWER & WATERLINE CROSSINGS. WHERE SANITARY SEWER LINES CROSS ABOVE OR WITHIN 12-INCHES VERTICAL SEPARATION BELOW WATERLINE, SEWER MAINS AND/OR LATERALS SHALL BE REPLACED WITH C-900 PVC PIPE (DR 18) AT THE CROSSING IN CONFORMANCE WITH OAR 333. CENTER ONE FULL LENGTH OF AWWA C-900 PVC PIPE AT POINT OF CROSSING. CONNECT

TO EXISTING SEWER LINES WITH APPROVED RUBBER COUPLINGS. NOTE: FOR AN 8-INCH WATERLINE WITH 36-INCHES COVER, LATERAL

STORM DRAIN PIPES

INVERTS WITHIN 5.67-FEET (68-INCHES) OF FINISH GRADE MUST BE C-900 PVC.

EXISTING: 2,670 LF (RECORD DRAWINGS AND TOPO SURVEY) NEW/REPLACED: 900 LF THE NEW/REPLACED PIPE IS 34% OF THE KNOWN EXISTING PIPE.

# PARKING LOT PAVEMENT AREA:

EXISTING IMPERVIOUS PAVEMENT NOT REPLACED: 130.490 SF EXISTING IMPERVIOUS PAVEMENT REPLACED: 50,690 S.F. **NEW IMPERVIOUS PAVEMENT:** 11,600 S.F. TOTAL IMPERVIOUS PAVEMENT AREA: 192,780 S.F

# CITY OF EUGENE PRELIMINARY COORDINATION

LAND USE: THE EXISTING PARKING LOT IS LEGAL NON-CONFORMING. THE PROJECT DOES NOT TRIGGER UPDATES TO MEET CURRENT EUGENE CODE.

STORMWATER: MORE THAN 1,000 SF OF IMPERVIOUS SURFACE IS BEING REPLACED. BUT SINCE LESS THAN 50% (PIPE LENGTH) OF THE EXISTING STORM DRAIN SYSTEM IS BEING REPLACED; THE PROJECT EXISTING PAVEMENT REPLACEMENT AREAS ARE EXEMPT FROM THE CITY OF EUGENE POLLUTION REDUCTION STANDARDS.

THE NEW PAVED AREAS ARE REQUIRED TO MEET THE CITY OF EUGENE POLLUTION REDUCTION STANDARDS.

### **CONTACTS**

#### OWNER'S REPRESENTATIVE **BRUCE FOSTER** EUGENE SCHOOL DISTRICT 4J

715 W. 4TH AVE EUGENE, OR 97402 TEL (541) 790-7424 FAX (541) 790-7420

FAX (541) 461-5443

**CIVIL ENGINEER:** BARBARA ROBERTS, P.E. **ROBERTS CONSULTING & ENGINEERING** 2660 BOWMONT DRIVE, SUITE A EUGENE, OREGON 97405 TEL (541) 689-9197

### CIVIL SHEET INDEX

C1.0 GENERAL NOTES & LEGEND

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C7.1 PAVING PLAN - SOUTH PARKING LOT





# SURVEY LEGEND

- FIRE HYDRANT - WATER METER

- GAS VALVE - SANITARY MANHOLE

- SANITARY CLEANOUT

- STORM MANHOLE

- SIGN

- PP CONCRETE

- AREA DRAIN

- WOODEN POWER POLE

- STREET LIGHT

- CURB INLET

- ELECTRIC VAULT

- CONIFER TREE

- DECIDUOUS TREE

- CORNERS FOUND-5/8" REBAR WITH CAP PER CSF 28319 OR AS SHOWN

□ - CALCULATED POINT (NOT SET)

- SCHOOL DISTRICT PROPERTY LINE

CIVIL LEGEND							
SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION		
— 6"SD —	SD	NEW STORM DRAIN		EX	EXISTING		
— 4"SS —	SS	NEW SANITARY SEWER		FFE	FINISHED FLOOR ELEVATION		
<b></b>		DIRECTION OF PIPE FLOW		FL	FLOWLINE		
$\boxtimes$	СВ	CATCH BASIN		FS	FINISHED SURFACE		
co <sup>O</sup>	со	CLEANOUT		FT	FOOT		
		MANUTOLE		GPM	GALLONS PER MINUTE		
	MH	MANHOLE		LF	LINEAR FEET		
		STORM WATER SHEET FLOW		MAX	MAXIMUM		
X		CONSTRUCTION NOTE		ME	MATCH EXISTING		
				MIN	MINIMUM		
$\bigcirc$		SECTION REFERENCE		NWN	NORTHWEST NATURAL		
				NIC	NOT IN CONTRACT		
(C1.0)		DETAIL REFERENCE		ОС	ON CENTER		
				PCC	PORTLAND CEMENT CONCRETE		
	AC	ASPHALT CONCRETE	PSI	PSI	POUNDS PER		
	APPROX	APPROXIMATE			SQUARE INCH		
	CFS	CUBIC FEET PER SECOND		PT	POINT		
10% MAX	CL	CENTERLINE		RAD	RADIUS		
		SLOPE ARROW		S	SLOPE		
	BLDG	BUILDING		SF	SQUARE FOOT		
	CONST	CONSTRUCT		SPD	SPEED		
	DESC	DESCRIPTION		TC	TOP OF CURB		
	DIA	DIAMTER		TG	TOP OF GRAVEL		
	DIST	DISTANCE		TP	TOP OF PAVEMENT		
	ELEV	ELEVATION		TW	TOP OF WALK		

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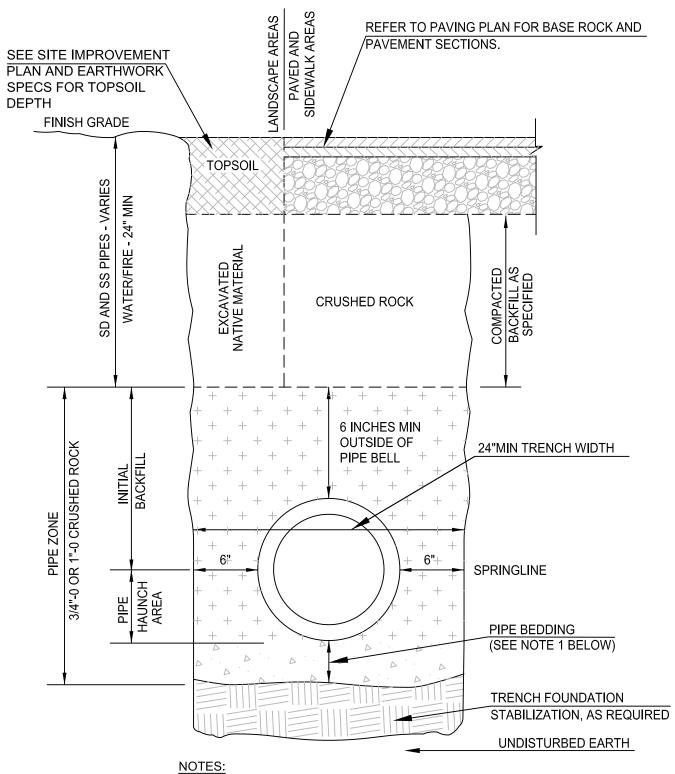
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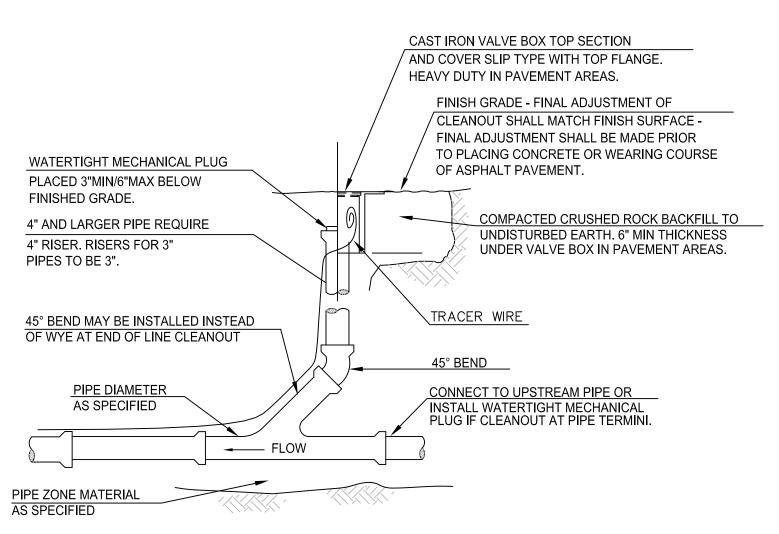
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- 1. MINIMUM PIPE BEDDING SHALL BE AS FOLLOWS:
- 4" FOR PIPE 12" IN DIAMETER OR LESS 6" FOR PIPE 15" TO 36" IN DIAMETER
- 8" FOR PIPE 42" IN DIAMETER OR GREATER 2. WATER LINES PARALLEL TO AND WITHIN 10 FEET
- OF SEWER PIPE SHALL BE INSTALLED A MINIMUM OF 12 INCHES ABOVE SEWER PIPE.

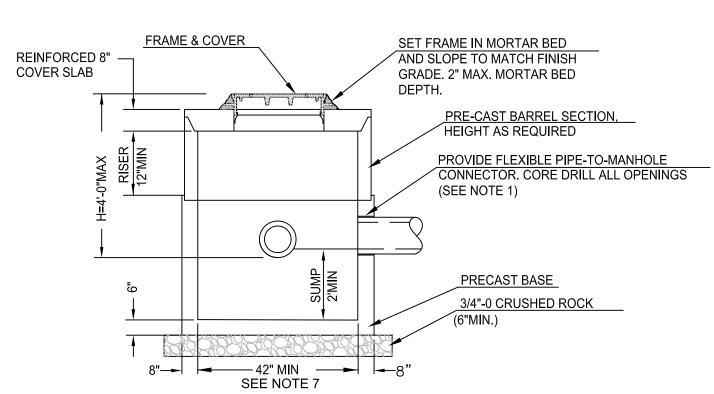




1. TRACER WIRE SHALL BE WRAPPED AROUND THE TOP OF THE RISER PIPE. LEAVE 18 INCHES OF FREE WIRE COILED INSIDE OF THE VALVE BOX.

2. CLEANOUT PIPE AND FITTINGS SHALL BE THE SAME MATERIAL AS THE MAIN PIPE.





## NOTES:

1. FLEXIBLE PIPE-TO-MANHOLE CONNECTIONS SHALL BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS. INSTALL SEAL OR GROUT, AS SPECIFIED, BETWEEN MANHOLE AND PIPE TO FORM A WATERTIGHT SEAL. PIPES TO BE TRIMMED FLUSH WITH MANHOLE INTERIOR. GROUT BETWEEN TRIMMED PIPE AND MANHOLE WALL TO PROVIDE A SMOOTH TRANSITION. 2. WATER TIGHT JOINTS, O-RING OR MASTIC KEYLOCK JOINTS REQUIRED (GROUT JOINTS SMOOTH AT MANHOLE INTERIOR).

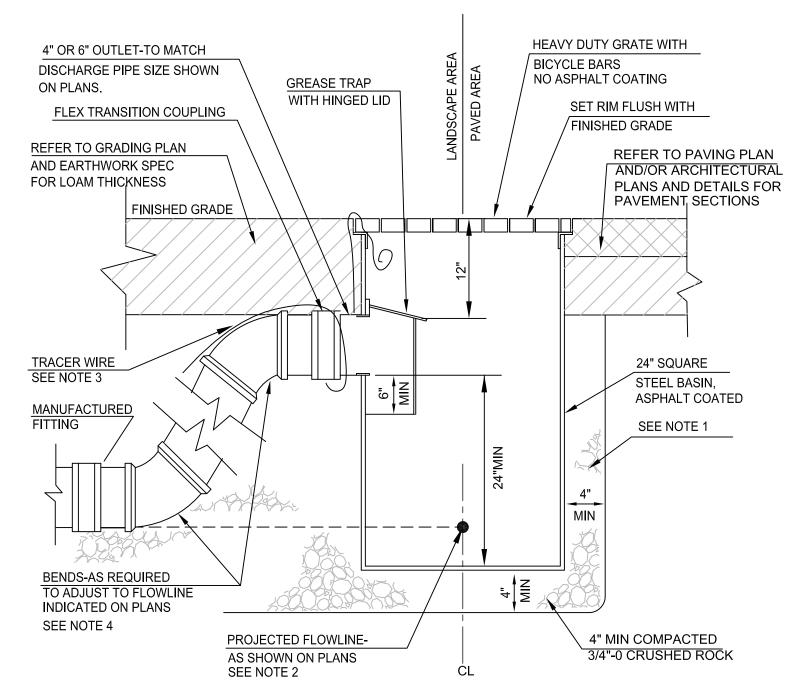
3. ALL MANHOLE SECTIONS MUST MEET OR EXCEED ASTM C 478. 4. TRACER WIRE: WIRE SHALL ENTER STRUCTURE UNDER RISER AND

DIRECTLY ABOVE THE PIPE THAT WIRE IS TRACING. PROVIDE ENOUGH FREE WIRE TO EXTEND 18" ABOVE TOP OF MANHOLE COVER TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME 5. BACKFILL AROUND BASE SECTION USING CRUSHED ROCK IN PAVED OR SIDE-WALK AREAS, OR NATIVE MATERIALS IN LANDSCAPE AREA.

6. LOCATION SPECIFIED ON PLAN INDICATES CENTER BASE SECTION

7. OR AS REQUIRED TO ACCOMMODATE PIPE SIZES AND INSTALLATION LOCATIONS/ANGLES.



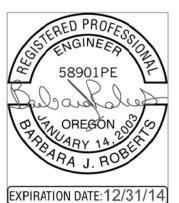


### NOTES:

- 1. BACKFILL AROUND BASIN IN PAVED OR SIDEWALK AREAS TO BE CRUSHED ROCK , NATIVE MATERIALS IN LANDSCAPE AREAS.
- 2. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF BASIN
- 3. TRACERWIRE SHALL BE WRAPPED AROUND PIPE OUTSIDE AREA DRAIN. EXTEND WIRE INTO TOP OF AREA DRAIN, COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER GRATE. LEAVE ENOUGH WIRE TO EXTEND 18" ABOVE AREA DRAIN RIM.
- 4. PIPE AND FITTINGS FROM CATCH BASIN OUTLET TO VERTICAL TRANSITION TO BE DUCTILE IRON, SCHEDULE 40 OR C900 PVC MATERIAL.





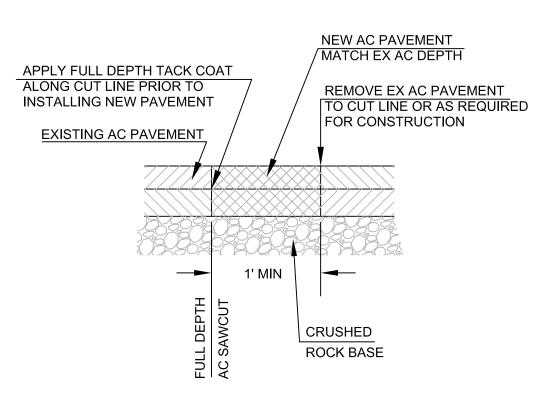




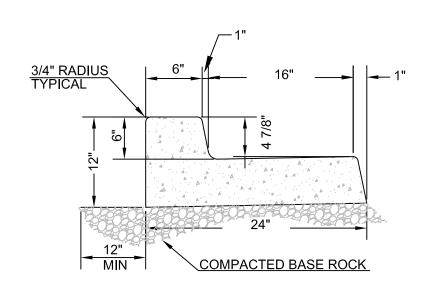
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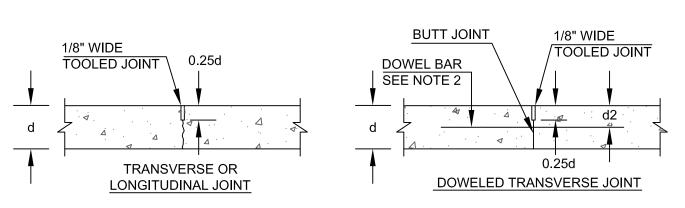
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# TYPICAL SAWCUT SECTION NO SCALE

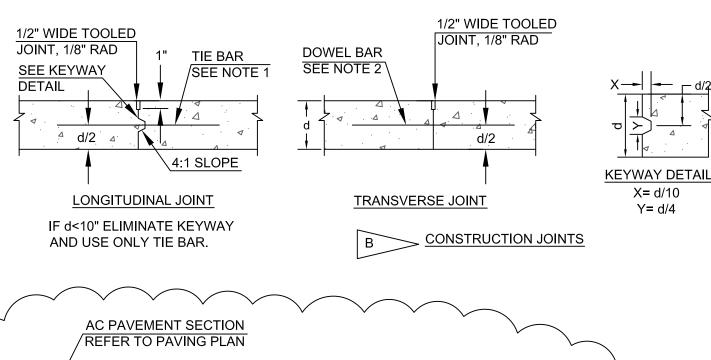


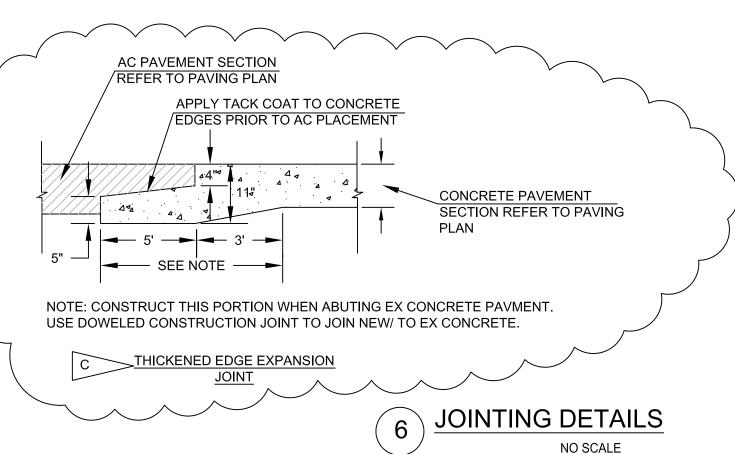
# **CURB AND GUTTER** NO SCALE

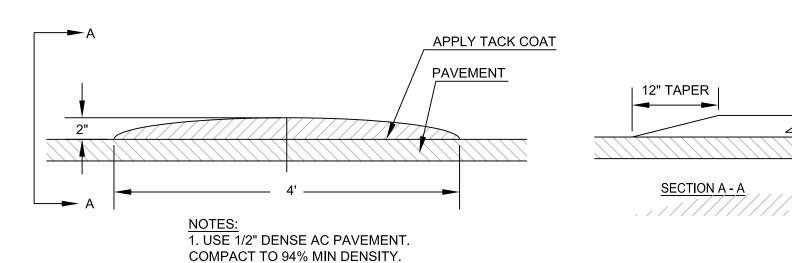


NOTE: PROVIDE DOWELED JOINTS WHERE INDICATED ON PLANS. ALL OTHER CONTRACTION JOINTS TO BE NON-DOWELED.

CONTRACTION (CONTROL) JOINTS





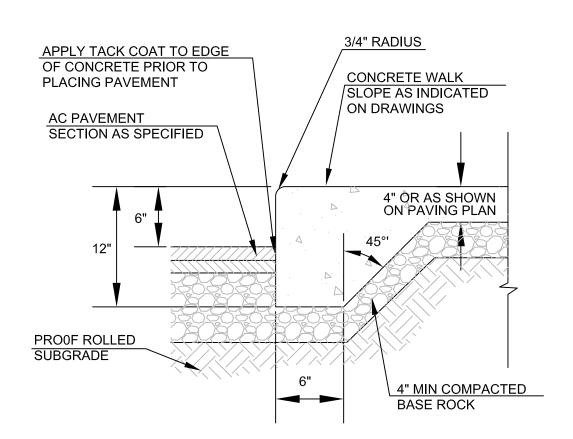


SECTION A - A

OR AS SHOWN

ON PLANS

SPEED BUMP NO SCALE



THICKENED EDGE SIDEWALK NO SCALE



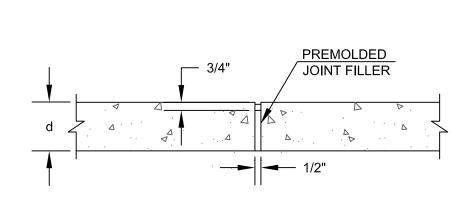
DEFORMED GRADE 40 OR BETTER, EPOXY COATED. 2. DOWEL BARS SHALL BE SIZED AS SHOWN IN THE TABLE, SMOOTH ROUND GRADE 60 OR BETTER, EPOXY COATED AND GREASED. 3. NEW TO EX JOINTS: USE DOWEL BARS FOR TRANSVERSE JOINTS, TIE BARS FOR LONGITUDINAL JOINTS. 4. JOINT OFFSETS AT RADIUS POINTS SHOULD BE AT LEAST 1'-6" LONG 5. WHEN A JOINT IS CLOSER THAN 1'-0" TO A CASTING, THEN A MINOR ADJUSTMENT IN THE JOINT LOCATION SHOULD BE MADE BY SKEWING OR SHIFTING THE JOINT ALIGNMENT TO MEET THE CASTING AT 90° OR NORMAL TO THE CASTING.

6. DOWEL BARS SHALL NOT BE PLACED WITHIN

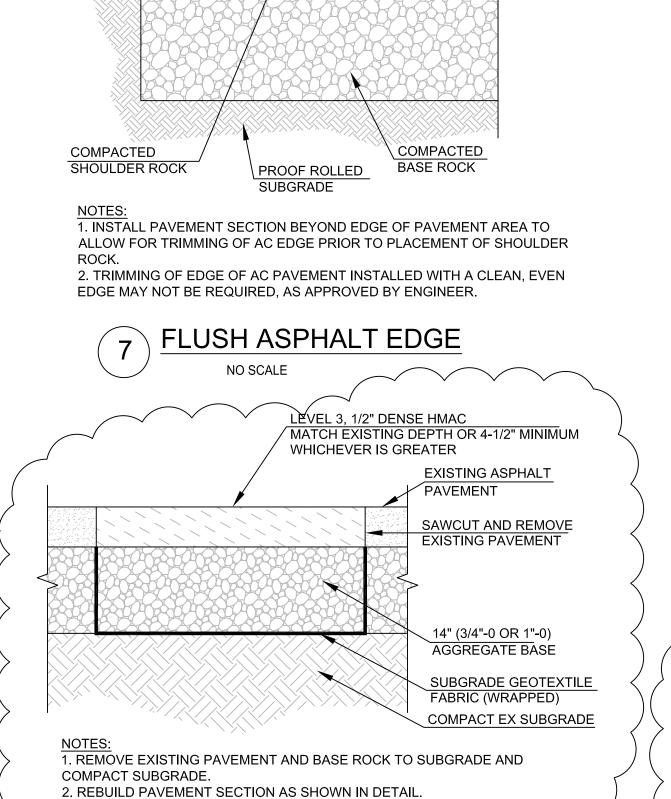
1'-0" OF THE EDGE OF PAVEMENT OR A PARALLEL

> ISOLATION JOINT

1. TIE BARS SHALL BE (#5) 5/8"X2'-6" @ 3'-0",



JOINT



PAVEMENT REPAIR

NO SCALE

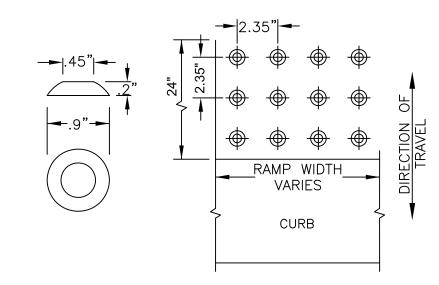
SAWCUT AC TO FORM A UNIFORM/VERTICAL EDGE

ASPHALT PAVEMENT

SECTION AS SPECIFIED

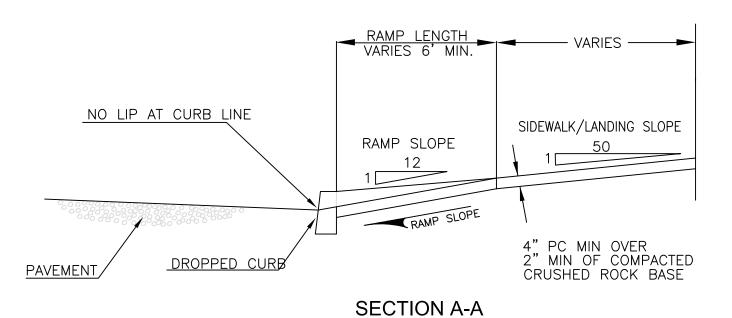
PRIOR TO PLACING SHOULDER ROCK.

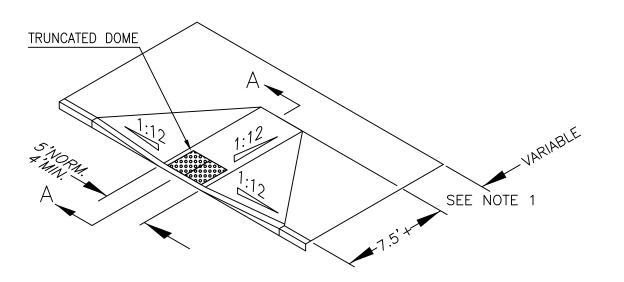
SEE NOTES 1 AND 2.



**DETECTABLE WARNING SURFACE:** 1. 2'x4' MIN. DETECTABLE WARNING SURFACE TO BE TRUNCATED DOMES. LOCATE IN THE LOWER 24" OF RAMP THROAT. ARRANGE DOMES USING IN-LINE PATTERN ONLY, AS SHOWN IN TRUNCATED DOME DETAIL. USE 2' x 2' TACTILE PANELS CENTERED IN RAMP. COLOR OF DETECTABLE SURFACE AREA TO BE YELLOW. STANDARD BROOM FINISH ALL OTHER SIDEWALK AREAS.

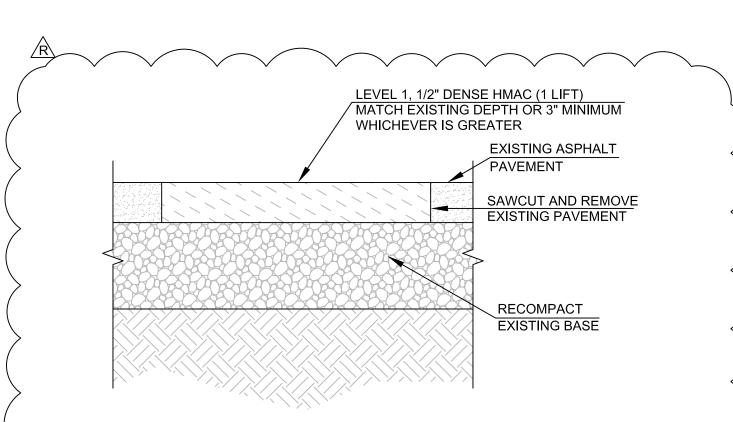
# TRUNCATED DOME DETAIL



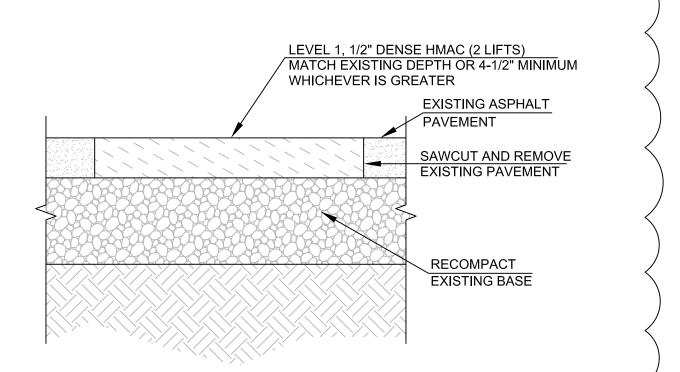


1. IF 4' OR GREATER THE SLOPE OF THE FLARED SIDES MAY INCREASE TO 1:10



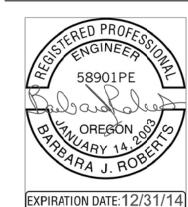






PAVEMENT REPLACEMENT - HEAVY SECTION NO SCALE

& Engineering, Inc. 2660 Bowmont Dr. Office: 541-689-9197 Eugene, OR 97405 Fax: 541-461-5443 bjr@rceinc.net

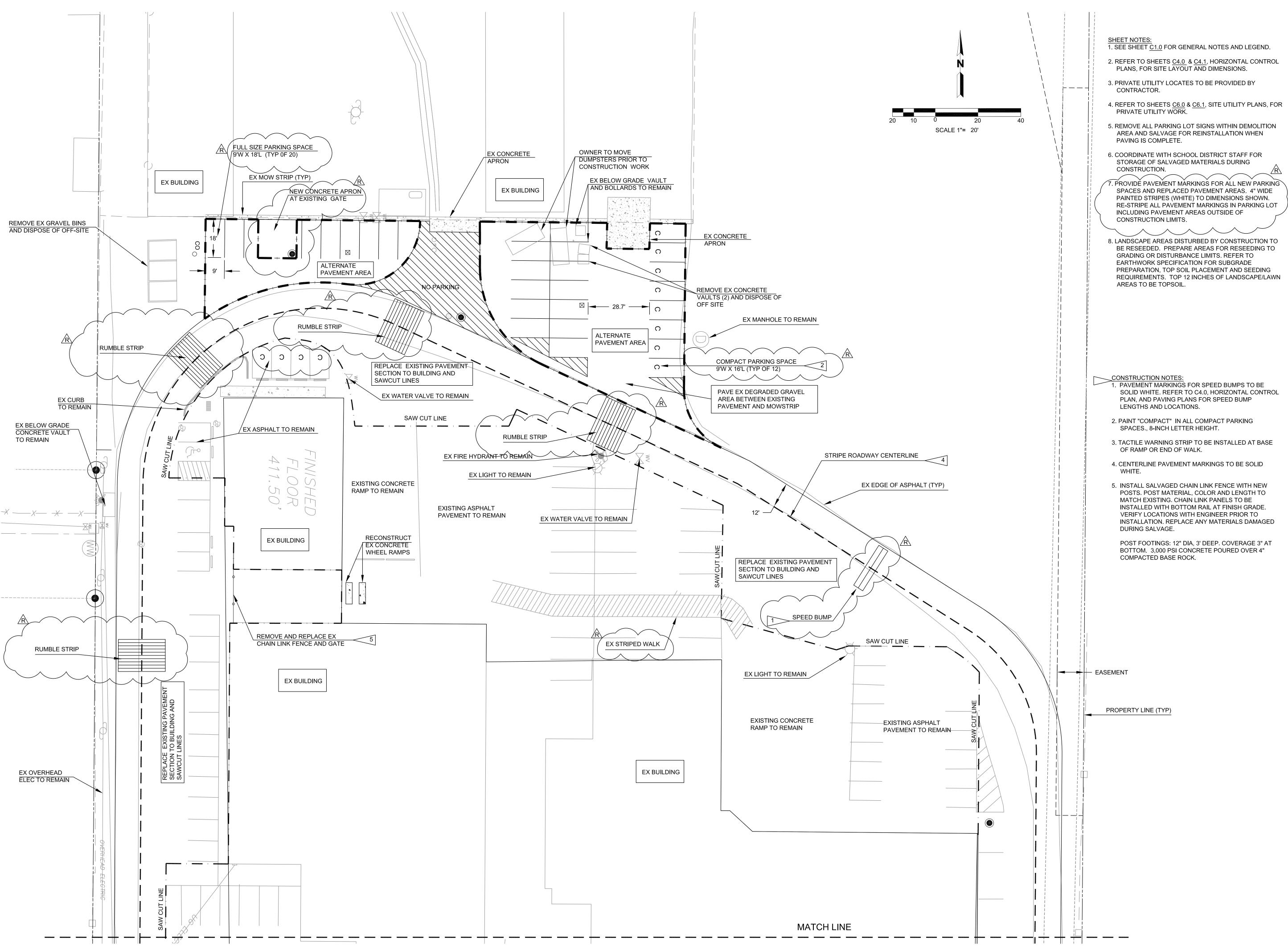




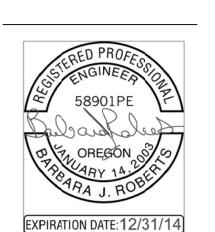
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EDUCATION CENTER
DRIVE LANE REPLACMENT

REVISIONS
SYM DATE REFERENCE

D3/04/14 REV COMMENTS

PROJECT: 121603

DRAWN: BJR

CHECKED: BJR

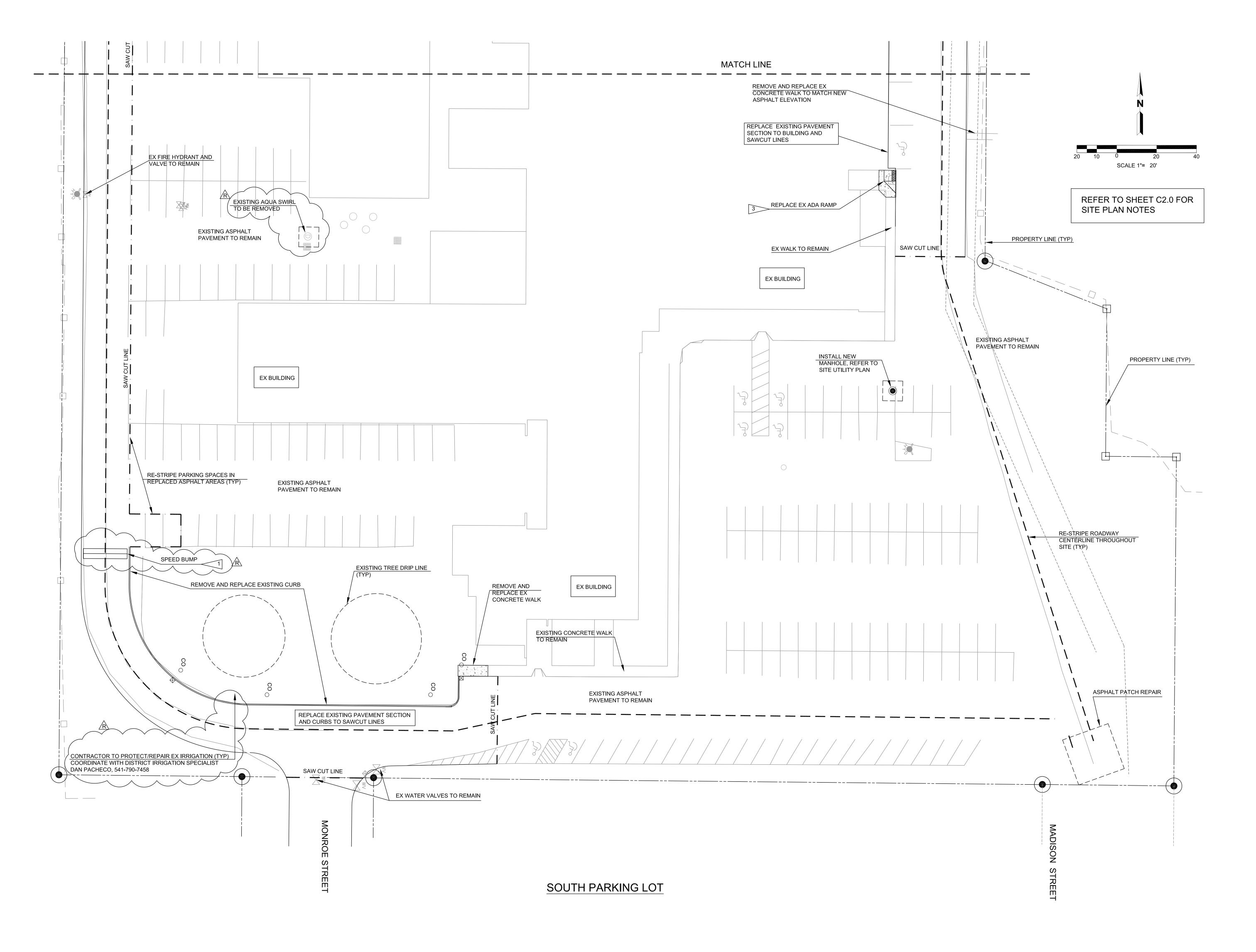
DATE: 04/22/2013

DRAWING TITLE

SITE PLAN
NORTH PARKING LOT

C20

NORTH PARKING LOT









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EDUCATION CENTER
DRIVE LANE REPLACMENT

REVISIONS
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A 03/04/14 REV COMMENTS

PROJECT: 121603

DRAWN: BJR

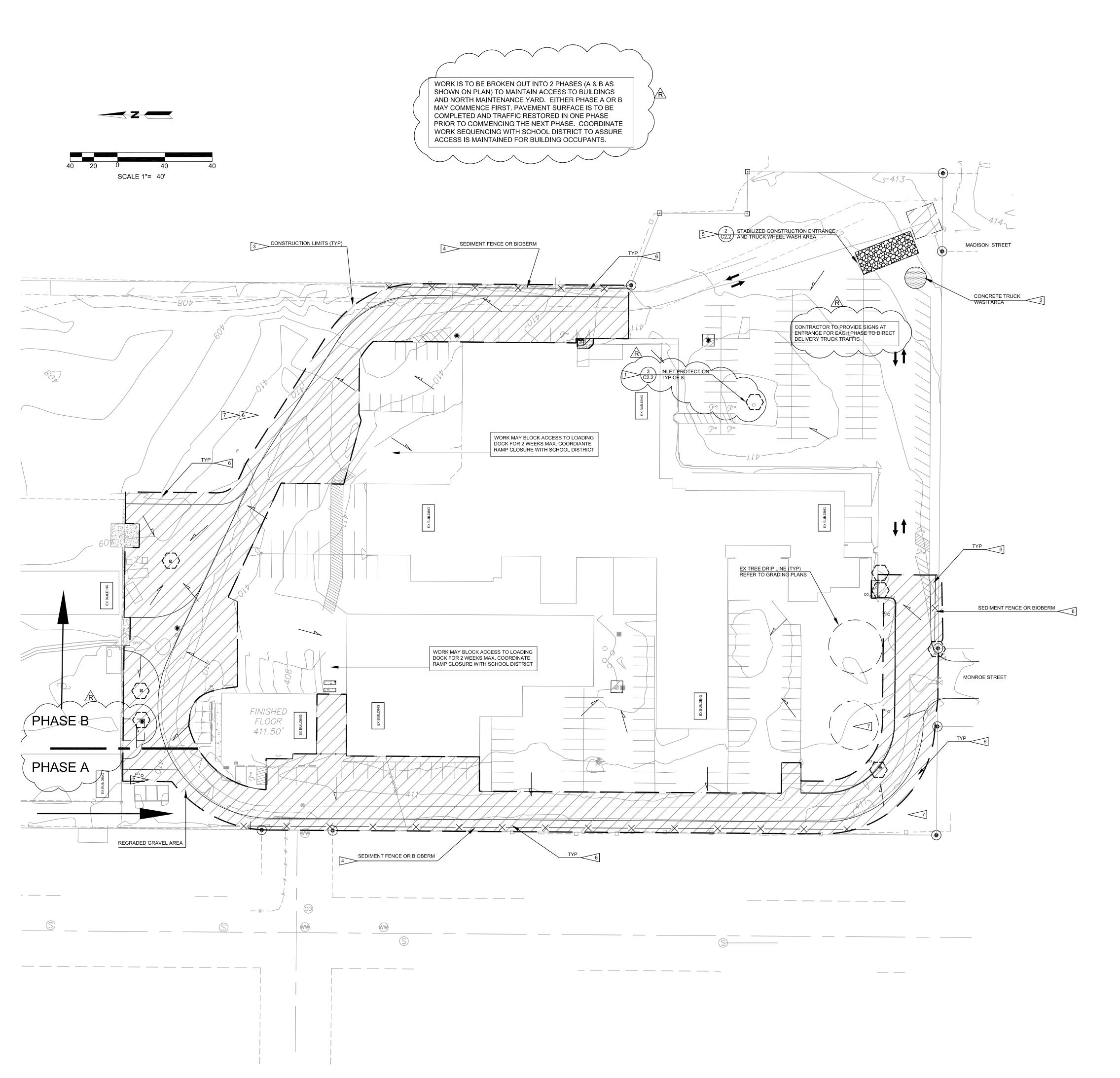
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DATE: 04/22/2013

SITE PLAN SOUTH PARKING LOT

DRAWING TITLE

**C2**.



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1. SEE <u>C1.0</u>, FOR CIVIL GENERAL NOTES AND LEGEND.

2. MORE THAN 1 ACRE WILL BE DISTURBED DURING CONSTRUCTION. CONSTRUCTION EROSION CONTROL PERMIT (1200-C) IS REQUIRED FOR THIS PROJECT. CONTRACTOR IS TO ADHERE TO ANY SITE PERMIT REQUIREMENTS, CONSTRUCTION SITE MANAGEMENT PLAN AND STANDARD EROSION CONTROL PRACTICES FOR THE DURATION OF CONSTRUCTION ACTIVITIES.



### BMP RATIONALE AND IMPLEMENTATION

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S 1200-C PERMIT APPLICATION AND ESCP GUIDANCE DOCUMENT HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE LISTED BMPS (SHEET C3.1) WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESCPS, AN ACTION PLAN WILL BE SUBMITTED.



## CONSTRUCTION NOTES:

1. INSTALL INLET PROTECTION, PER DETAIL 3/C3.1. BIO-BAGS MAY BE INSTALLED AROUND INLET PERIMETERS IN LIEU OF INSERTS, IF APPROVED BY ENGINEER.

2. CONSTRUCT CONCRETE WASH AREA IN ACCORDANCE WITH CSMP NOTES. LOCATION(S) SHOWN ARE APPROXIMATE, BUT SHALL BE LOCATED 50 FEET AWAY FROM ANY STORM DRAIN INLETS.

3. PROJECT CONSTRUCTION LIMITS ARE APPROXIMATE AND REFLECT THE SITE WORK CONSTRUCTION LIMITS AND ACCESSES. LIMITS SHALL BE DETERMINED AT THE PRE CONSTRUCTION MEETING AND CLEARLY FLAGGED OR FENCED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. DURING CONSTRUCTION NO DISTURBANCE BEYOND THE CONSTRUCTION LIMITS WILL BE PERMITTED. THE FLAGGING OR FENCING DENOTING THE CONSTRUCTION LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

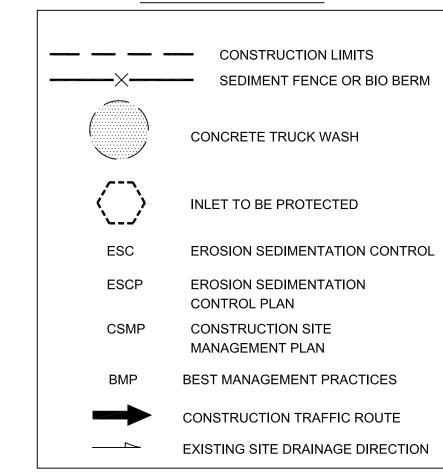
4. LOCATE SEDIMENT FENCE ADJACENT THE CONSTRUCTION LIMITS AND INSTALL PER DETAIL 1/C3.1. BIO BERM MAY BE INSTALLED INSTEAD OF SILT FENCE WHERE INDICATED ON PLAN. INSTALL BIO BERM PER DETAIL 4/C3.1.

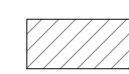
5. CONSTRUCTION ENTRANCE LOCATION IS APPROXIMATE. EXISTING PAVEMENT AREA TO SERVE AS STABILIZED CONSTRUCTION ENTRANCE AND GRAVEL ENTRANCE IS NOT REQUIRED. ENTRANCES AND LOCATIONS TO BE DETERMINED WITH THE CONTRACTOR AT THE PRE CONSTRUCTION MEETING.

6. RESEED DISTURBED AREAS PER SHEETS C2.0 & C2.1, SITE IMPROVEMENT PLANS, AND SPECIFICATIONS. STRIP AND STOCK PILE EXISTING TOPSOIL ON-SITE FOR REUSE IN THIS AREA ONLY. IMPORTED TOPSOIL/LOAM NOT REQUIRED IN THIS AREA.

7. GRAVEL AND LANDSCAPE AREAS ADJACENT ROADWAY SERVES AS VEGETATED FILTER FOR EROSION PROTECTION OF ADJACENT PROPOERTIES.

# **CSMP LEGEND**





DISTURBANCE AREA

DISTURBANCE AREA = GROUND DISTURBING ACTIVITIES. INCLUDES EXISTING PAVEMENT AREAS THAT ARE TO BE REMOVED AND REPLACED AND VEGETATED AREAS THAT ARE TO BE REGRADED AND/OR CONSTRUCTION TRAFFIC AREAS. EXISTING PAVEMENT AREAS USED FOR CONSTRUCTION TRAFFIC ARE NOT INCLUDED.

CONSTRUCTION EQUIPMENT TO STAY WITHIN THESE AREAS UNLESS APPROVED BY OWNER AND ESC MEASURES ARE ADJUSTED TO PROTECT AGAINST EROSION AND SEDIMENT TRANSPORT AND TO MEET PERMIT REQUIREMENTS.



PROJECT TITLE



Facilities Management School District 4J 715 W. 4th Avenue Eugene, OR 97402 (541) 687-3257

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REVISIONS /M DATE REFERENCE A 03/04/14 REV COMMENTS PROJECT: 121603 DRAWN: BJR CHECKED: BJR DATE: 04/22/2013 DRAWING TITLE

> CONSTRUCTION SITE MANAGEMENT PLAN

DRAWING NUMBER

1. INSPECT AND MAINTAIN FILTER FENCE ON A DAILY BASIS.

2. ATTACH FILTER MATERIAL TO WIRE BACKING, WHERE INDICATED, WITH STEEL HOG-RINGS OR TIES.

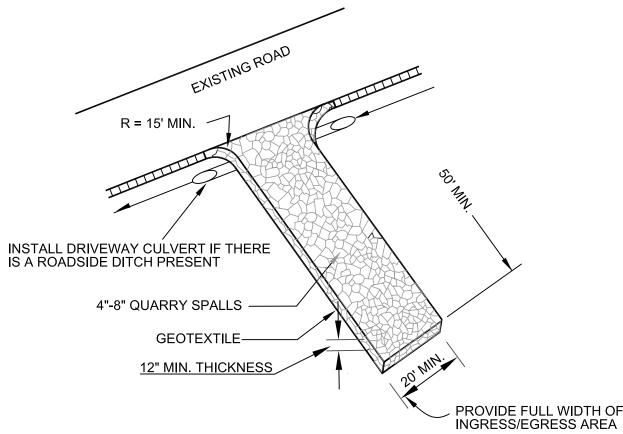
3. FENCE SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE. 4. JOINTS IN FILTER FABRIC SHALL BE SPLICED AT POSTS WITH A MINIMUM 6"

5. 1:1 MAX SLOPE PERPENDICULAR TO FENCELINE.

6. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF CONSTRUCTION LIFE AT A

TEMPERATURE RANGE OF 0°F TO 120°F. 7. BIO BERM MAY BE INSTALLED AT BASE OF FILTER FABRIC IN LIEU OF BURYING BOTTOM, IF APPROVED BY ENGINEER.



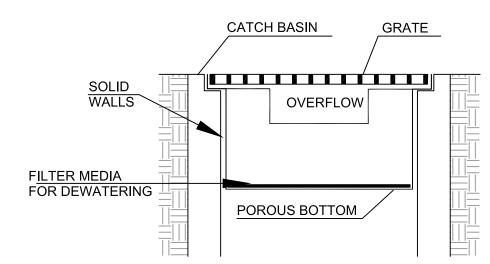


1. IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS

2. EXISTING PAVEMENT AREAS MAY BE USED AS STABILIZED ENTRANCE IN LIEU OF GRAVEL ENTRANCE IF SHOWN ON THE CONSTRUCTION SITE MANAGEMENT PLAN.

# STABILIZED





1. THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN O.6 C.F OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.



#### CSMP PROJECT NOTES AND EXISTING SITE CONDITIONS:

1. ESTIMATED TOTAL PROJECT SITE IS 12.9 ACRES.

ESTIMATED TOTAL DISTURBED AREA IS 1.79 ACRES. 3. EXISTING SURFICIAL SOIL TYPES ARE SILTY CLAY AND SILTY CLAY LOAM. NATURAL RESOURCES CONSERVATION SERVICE (NRCS) SOIL CLASSIFICATION ISMALABON-URBAN LAND COMPLEX SOIL, HYDROLOGIC GROUPS C. ERODIBILITY FOR THESE SOILS IS MODERATE.

4. APPROXIMATE DURATION OF LAND DISTURBING ACTIVITIES IS TO BE 2 MONTHS.

5. SITE IS ALREADY FULLY DEVELOPED. EXISTING VEGETATION CONSISTS OF GRASS LAWN. 6. EXISTING CONTOURS ARE SHOWN ON THE CSMP PLAN. REFER TO THE GRADING PLAN FOR PROPOSED ELEVATIONS, CONTOURS AND FINISH FLOOR ELEVATIONS.

7. REFER TO GRADING PLANS FOR PERMANENT VEGETATION. 8. HAUL ROUTES SHALL BE AS SHOWN ON THE CONSTRUCTION SITE MANAGEMENT PLAN (CSMP), UNLESS OTHERWISE APPROVED BY THE OWNER. 9. CONTRACTOR TO PROVIDE CONSTRUCTION SCHEDULE, IF REQUIRED FOR THE PERMIT.

1. REFER TO CONSTRUCTION SITE MANAGEMENT PLAN (CSMP) FOR CONSTRUCTION ENTRANCE AND VEHICLE WHEEL WASH AREA LOCATION(S).

2. INSTALL GRAVEL CONSTRUCTION ENTRANCE IMMEDIATELY. 3. IF GRAVEL PAD DOES NOT ADEQUATELY REMOVE DIRT AND MUD FROM VEHICLE WHEELS SUCH THAT MUD AND DIRT TRACKING IS EVIDENT OFF-SITE, ADDITIONAL BMPS ARE REQUIRED. ADDITIONAL BMPS MAY INCLUDE WASHING OFF WHEELS BEFORE VEHICLES LEAVE THE SITE OR OTHER CONSTRUCTION TECHNIQUES/WORK OPERATION MODIFICATIONS. WHEEL WASHING SHALL BE DONE ON THE GRAVEL PAD OR AN APPROVED WHEEL WASH STRUCTURE LOCATED ON-SITE, ADJACENT TO THE GRAVEL PAD.

4. WHEEL WASH: WHEEL WASH STRUCTURES SHALL BE ON A RELATIVELY FLAT GRADE (1 PERCENT) WITH A MINIMUM 50 FOOT RUN OUT AREA AFTER THE WASH. THE WASH ITSELF SHALL BE 18 INCHES DEEP WITH A CONSTANT MINIMUM 12-INCH DEEP WATER POOL. WASH WATER SHALL BE DRAINED THROUGH A SEDIMENT-TRAPPING STRUCTURE

5. MAINTAIN CONSTRUCTION ENTRANCE IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD OFF-SITE. APPLY ADDITIONAL GRAVEL OR WASH AND REWORK EXISTING MATERIAL, AS REQUIRED. REPAIR AND/OR CLEANOUT ANY SEDIMENT TRAP STRUCTURES.

1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2 INCH X 2 INCH POSTS AND ATTACH

2. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.

3. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. ALL EXCAVATED MATERIALS FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACKFILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.

4. STANDARD OR HEAVY DUTY FILTER FABRIC FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2 INCH X 2 INCH POST INSTALLATION. STITCHED LOOPS SHALL BE INSTALLED ON THE UP HILL SIDE OF THE SLOPED AREA.

5. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.

6. FILTER FABRIC FENCES SHALL BE INSPECTED BY APPLICANT/CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

STORM DRAIN INLET PROTECTION:

1. AT NO TIME SHALL MORE THAN 50% OF THE STORAGE CAPACITY BE ALLOWED TO ACCUMULATE WITHIN CATCH BASINS. 2. AT NO TIME WILL MORE THAN SIX INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE AGAINST STORM INLET PROTECTION BMPS. SEDIMENT SHALL BE REMOVED AND INLET

PROTECTION BMP RESTORED AS NEEDED TO MAINTAIN THEIR SEDIMENT TRAPPING AND FILTERING CAPABILITY. 3. INLET PROTECTION TO REMAIN IN PLACE UNTIL PERMANENT VEGETATION HAS BEEN REESTABLISHED.

1. PERMANENT OR TEMPORARY GRASS COVER BMPS SHALL BE FULLY ESTABLISHED BY OCTOBER 1 (SEEDED BY SEPTEMBER 1) OR OTHER COVER BMPS (MULCH, BLANKETS,

ET.) ARE REQUIRED UNTIL ADEQUATE GRASS COVER IS ACHIEVED.

2. NATIVE GRASS MIXES THAT CAN BE INCORPORATED INTO PERMANENT VEGETATIVE COVER SHALL BE USED, AS APPROVED BY THE ENGINEER.

A. STRAW: 2 INCHES MIN. OF STRAW MUCH, AIR DRIED, FREE FROM SEEDS AND COARSE MATERIAL

B. COMPOST: 3 INCHES MIN. COARSE GRADE, WELL COMPOSTED MATERIAL, FREE OF COARSE FOREIGN MATERIAL.

C. ORGANIC MULCH: 3 INCHES MIN. ORGANIC MULCH.

1. STOCK PILES EXPOSED DURING WET WEATHER SEASON (OCTOBER 1 - APRIL 30) SHALL BE COVERED WITH POLYETHYLENE PLASTIC SHEETING, MIN. 6 MIL

2. COVERING SHALL BE INSTALLED EITHER OVERLAPPING SIDE-TO-SIDE OR TOP-TO-BOTTOM. SHEETING SHALL BE MAINTAINED TIGHTLY IN PLACE BY USING SAND BAGS ON ROPES WITH A MAX. 10' GRID SPACING. ALL SEAMS SHALL BE TAPED, WEIGHTED DOWN THE FULL LENGTH WITH AT LEAST A 12-INCH OVERLAP AT ALL SEAMS. NO RUNOFF SHALL RUN UNDER THE PLASTIC SHEETING

3. COLLECTION TRENCHES SHALL BE PLACED AT THE TOP AND AROUND THE BASE OF ANY STOCKPILE OR OTHER AREA USING PLASTIC SHEETING. THE TOP TRENCH SHALL DIRECT WATERS AWAY FROM THE SHEETING. THE BOTTOM TRENCH IS TO ROUTE AND CONTROL FLOWS FROM THE SHEETING SURFACE.

4. PLASTIC SHEETING TO BE VISUALLY INSPECTED EVERY TWO WEEKS AND AFTER EVERY STORM FOR TEARS OR WEAK POINTS.

# **CONCRETE WASH OUT:**

1. CONSTRUCT CONCRETE TRUCK WASH AREA ADJACENT TO CONSTRUCTION ENTRANCES, AS SHOWN ON THE PLAN.

2. CONCRETE TRUCK WASH WATER TO BE DISCHARGED INTO CONTAINED WASH AREAS ONLY. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN

3. CONCRETE WASH AREAS SHALL CONSIST OF A SHALLOW DEPRESSION IN THE GROUND AND BE CONSTRUCTED OF ONE OF THE FOLLOWING:

A. STRAW BALE BARRIER WITH PLASTIC LINER.

B. STACKED SAND BAGS OR BIO-BAGS AS A BARRIER WITH PLASTIC LINER. C. PORTABLE CONTAINMENT POND.

4. TRUCK MOUNTED RECYCLING SYSTEM ECO-PAN OR RETURNING DIRTY TRUCKS BACK TO PLANT MAY BE USED INSTEAD OF THE WASHOUT AREA.

5. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.

CONSTRUCTION SEQUENCE: 1. HOLD A PRE-CONSTRUCTION MEETING.

2. FLAG OR FENCE CONSTRUCTION LIMITS (AS SHOWN ON APPROVED PLANS).

3. INSTALL CATCH BASIN/INLET PROTECTION. 4. INSTALL PERIMETER PROTECTION (SEDIMENT FENCE, MULCH BERM, WATTLE, ETC...)

5. CALL TO SCHEDULE AN ON-SITE INSPECTION OF ALL EROSION MEASURES AFTER INSTALLATION

6. INSTALL CONSTRUCTION ENTRANCE(S).

7. CONSTRUCT SEDIMENT PONDS AND TRAPS. 8. GRADE AND STABILIZE PARKING LOT.

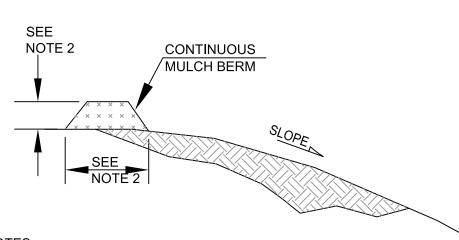
9. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF EUGENE STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. 10. UPDATE ESC MEASURES TO HANDLE ANY MAJOR CHANGES IN THE SITE CONDITIONS.

11. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER

MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT. 12. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.

13. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.

14. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMP'S IF APPROPRIATE.



1. PLACE BERM PARALLEL TO THE BASE OF THE SLOPE, OR AROUND THE PERIMETER

OF AFFECTED AREAS. 2. SLOPES <5%: CONSTRUCT 1' TO 1.5' HIGH X 2' TO 3' WIDE BERM.

SLOPES >5%: CONSTRUCT 1.5' TO 2' HIGH X 3' TO 4' WIDE BERM (2.5 FT MIN BERM WIDTH AT TOP).

3. BERM TO BE CONSTRUCTED OF APPROVED COMPOST: DECOMPOSED WEED-FREE, OF ORGANIC SOURCE. 4.WHERE WARRANTED, UTILIZE A PNEUMATIC BLOWER FOR APPLICATION, CAPABLE OF

UNIFORMLY APPLYING MATERIAL WITH PARTICLES UP TO 3" TO 4" IN LENGTH BY  $\frac{1}{2}$ " IN WIDTH, AND 60% OR LESS MOISTURE CONTENT. 5. COMPOST SHALL BE DERIVED FROM A WIDE VARIETY OF ORGANIC SOURCES, HAVE

NO OBJECTIONABLE ODORS WITH LESS THAN 1% MAN-MADE FOREIGN MATTER. PARTICLE SIZE SHOULD CARRY WITHIN A MAXIMUM O LENGTH OF 3". MOISTURE CONTENT SHALL BE 33% TO 55%. PH SHALL BE 5.5 TO 8.0. COMPOST SHALL BE WELL COMPOSTED AND CONTAIN NO SUBSTANCES TOXIC TO PLANTS.



#### CITY OF EUGENE CONSTRUCTION SITE MANAGEMENT PLAN (CSMP) GENERAL NOTES

1. PRIOR TO ANY GROUND DISTURBANCE ON THE SITE ONE INSPECTION WITH EROSION PREVENTION STAFF IS REQUIRED.

2. THE CONSTRUCTION SITE MANAGEMENT PLAN DOES NOT AUTHORIZE CONSTRUCTION ACTIVITIES. GRADING, BUILDING, PEPI, AND OTHER PERMITS MAY BE REQUIRED. ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.

3. ISSUANCE OF AN EROSION PREVENTION PERMIT APPROVES PROTECTION MEASURES, NOT CONSTRUCTION OR GROUND DISTURBING ACTIVITIES. IT DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM OTHER PERMITTING REQUIREMENTS.

4. CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE CITY AMENDED OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND CITY STANDARD DRAWINGS.

5. EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER NATURAL RESOURCE PROTECTION FENCING AND BARRIERS, SHOWN ON THE CSMP ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, MEASURES SHALL BE UPGRADED, AS NEEDED OR AS DIRECTED BY THE CITY

6. IMPLEMENTATION OF THE CSMP, INCLUDING CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF EROSION AND SEDIMENT CONTROL MEASURES AND PROTECTION FENCING, IS THE RESPONSIBILITY OF THE PERMIT HOLDER AND/OR THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND VEGETATION/LANDSCAPING IS ESTABLISHED AND APPROVED.

7. BOUNDARIES OF THE CLEARING AND GRADING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING AND GRADING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. IN ADDITION, WETLAND AND RIPARIAN AREAS SHALL BE IDENTIFIED AND PROTECTED WITH APPROPRIATE FENCING AS NOTED ON CSMP PRIOR TO CONSTRUCTION AND SHALL NOT BE DISTURBED UNLESS THE PROPER PERMITS ARE OBTAINED.

8. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS CSMP MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE STORMWATER SYSTEM, ROADWAYS, ADJACENT PROPERTY OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. WHEN DESIGNING AND IMPLEMENTING MEASURES, THE PERMIT HOLDER AND/OR THE CONTRACTOR SHALL CONSIDER THE SEASONAL VARIATION OF RAINFALL, TEMPERATURE, AND OTHER CLIMATIC FACTORS RELATIVE TO THE TIMING OF LAND DISTURBANCE ACTIVITIES.

9. EROSION AND SEDIMENT CONTROL MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. ANY REQUIRED REPAIRS OR ADJUSTMENTS SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY MONTH AND/OR WITHIN 48 HOURS FOLLOWING STORM EVENTS. ADDITIONALLY SITES COVERED UNDER DEPARTMENT OF PUBLIC IMPROVEMENT DESIGN STANDARDS MANUAL, NOVEMBER 2011 A - 2 NOTES - 2 ENVIRONMENTAL QUALITY (DEQ) PERMITS (1200-C, 1200-CN) MUST COMPLY WITH THOSE PERMIT MONITORING AND RECORD-KEEPING REQUIREMENTS.

10. DURING THE WET WEATHER SEASON (OCTOBER 15 TO APRIL 30), ALL EXPOSED SOIL AND STOCKPILE AREAS SHALL BE COVERED, OR OTHERWISE PROTECTED BY A FACILITY (OR COMBINATION OF FACILITIES) THAT RESULT IN NO STORMWATER RUNOFF LEAVING THE SITE DURING A 5-YEAR STORM EVENT. FOR DEVELOPMENT SITES OVER 40 ACRES, THE DESIGN STORM SHALL BE A 10-YEAR STORM EVENT CONSISTENT WITH AN APPROVED CSMP.

11. ALL ADJACENT PROPERTIES, WATER FEATURES, AND RELATED NATURAL RESOURCES ARE TO BE KEPT FREE OF DEPOSITS OR DISCHARGES OF SOIL. SEDIMENT OR CONSTRUCTION-RELATED MATERIAL FROM THE CONSTRUCTION

12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND THE SITE IS PERMANENTLY STABILIZED. ANY MEASURES THAT ARE DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

13. STABILIZE ALL DISTURBED AREAS WITHIN 50 FEET OF WATERWAYS, WETLANDS OR OTHER SENSITIVE AREAS WITHIN 7 DAYS OF EXPOSURE.

14. STREETS ADJACENT TO CONSTRUCTION ENTRANCES AND ALONG HAUL ROUTES SHALL BE SWEPT AS NEEDED OR WHEN DIRECTED BY THE CITY INSPECTOR TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS.

15. WHEN TRUCKING SATURATED SOILS TO OR FROM THE SITE, EITHER WATER-TIGHT TRUCKS SHALL BE USED OR LOADS SHALL BE DRAINED PRIOR TO TRANSPORT UNTIL DRIPPING HAS BEEN REDUCED TO NO MORE THAN ONE GALLON PER HOUR. SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO ENTER THE STORMWATER SYSTEM.

16. EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DISCHARGING SEDIMENT TO ADJACENT PROPERTIES, THE CITY'S STORMWATER SYSTEM, WATER FEATURES, OR RELATED NATURAL RESOURCES. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS AND SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT THAT WOULD DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. APPROVAL OF THE DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET THE OUTCOMES OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE SYSTEM WILL BE REQUIRED IF THE OUTCOMES CANNOT BE MET. AT NO TIME WILL SEDIMENT LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.

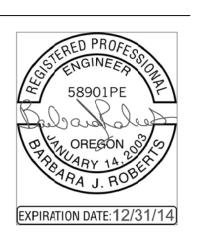
17. A SUPPLY OF MATERIALS NECESSARY TO MEET THE OUTCOMES AND IMPLEMENT THE CSMP OR OTHER EROSION PRACTICES UNDER ALL WEATHER CONDITIONS SHALL BE MAINTAINED AT ALL TIMES ON THE CONSTRUCTION SITE.

18. NO HAZARDOUS SUBSTANCES, SUCH AS PAINTS, THINNERS, FUELS AND OTHER CHEMICALS SHALL BE RELEASED ONTO THE SITE, ADJACENT PROPERTIES, OR INTO WATER FEATURES, THE CITY'S STORMWATER SYSTEM, OR RELATED NATURAL RESOURCES.

19. NO DISCHARGE INTO THE CITY'S STORMWATER SYSTEM OR RELATED NATURAL RESOURCES OF CONSTRUCTION RELATED CONTAMINANTS RESULTING FROM ACTIVITIES SUCH AS, BUT NOT LIMITED TO, CONCRETE SAWING, CLEANING OR WASHING OF EQUIPMENT, TOOLS, OR VEHICLES, SHALL OCCUR.

20. ALL WORK PERFORMED BY UTILITY COMPANIES FOR THIS PROJECT, INCLUDING PLACEMENT OF APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES, FINISHED GRADING, SEEDING, MULCHING AND CLEAN UP IS GOVERNED BY THE CONDITIONS AND REQUIREMENTS OF THIS CSMP. COMPLIANCE WITH THESE REQUIREMENTS IS THE RESPONSIBILITY OF THE PERMIT HOLDER.





PROJECT TITLE



Facilities Management School District 4J 715 W. 4th Avenue Eugene, OR 97402 (541) 687-3257

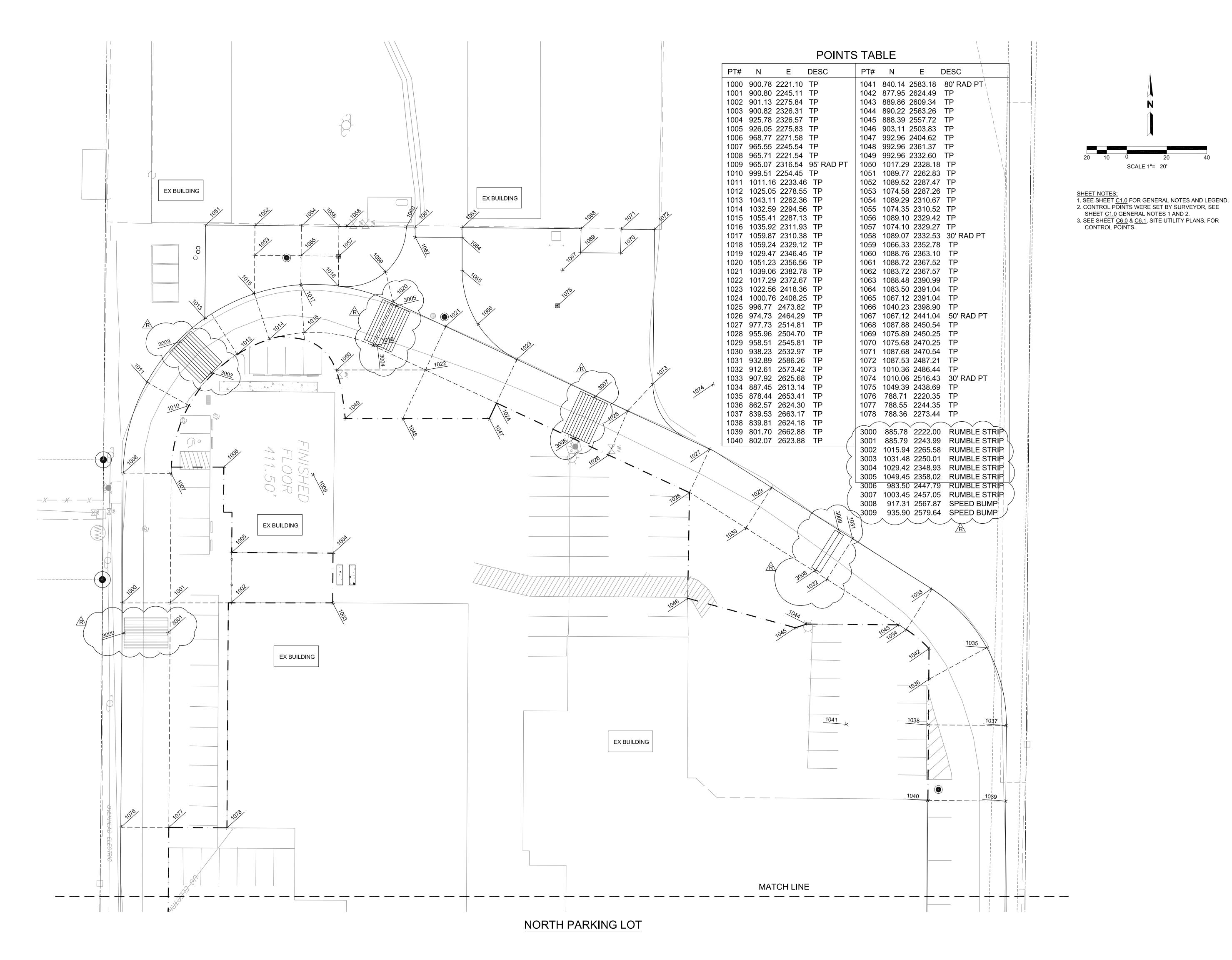
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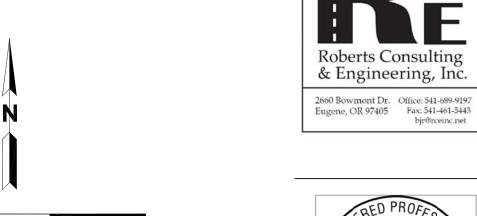
REVISIONS

PROJECT: 121603

DRAWN: BJR CHECKED: BJR DATE: 04/22/2013 DRAWING TITLE

> CONSTRUCTION SITE MANAGEMENT NOTES # DETAILS









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EDUCATION CENTER
DRIVE LANE REPLACMEN

REVISIONS
SYM DATE REFERENCE

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PROJECT: 121603

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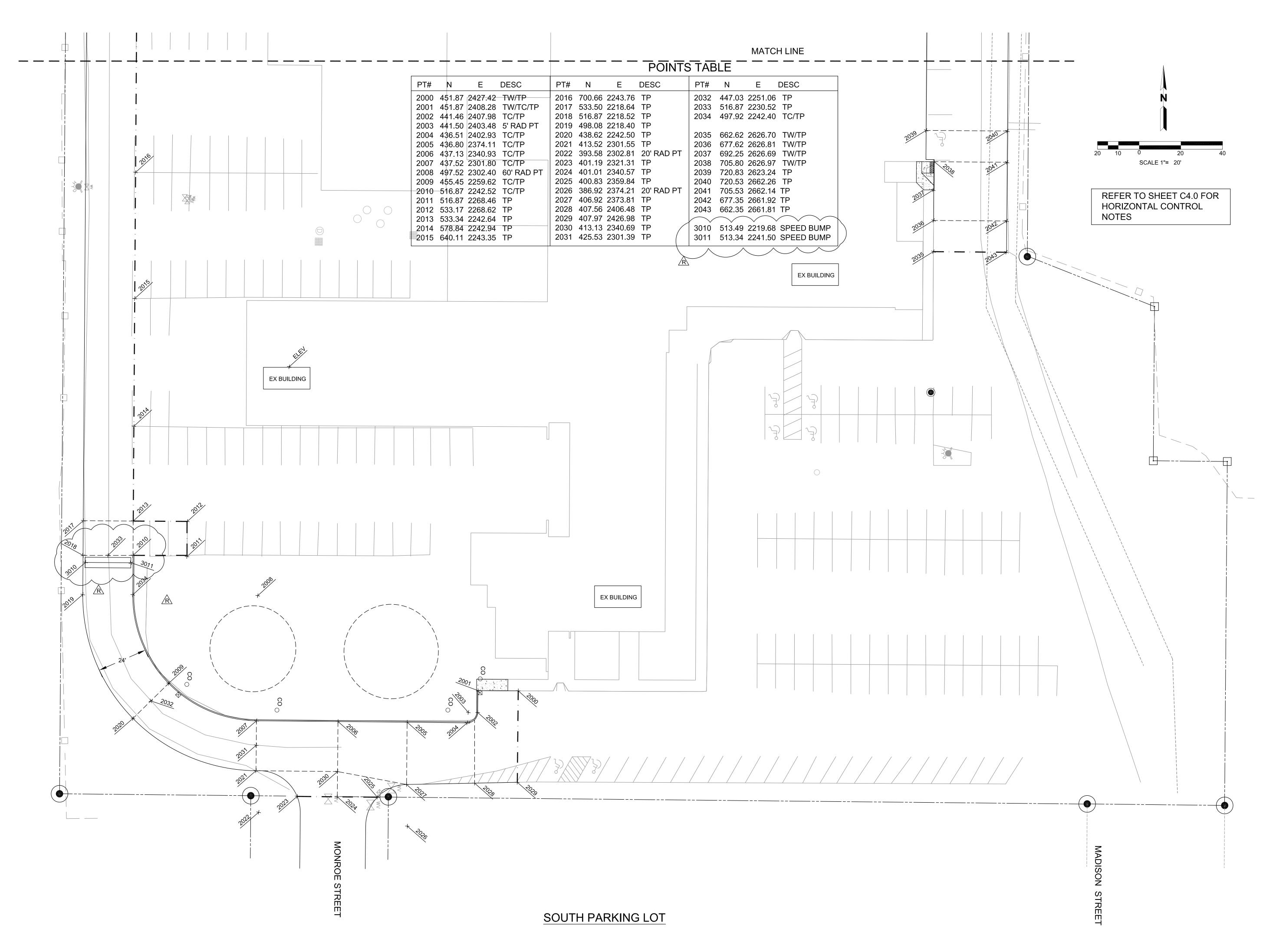
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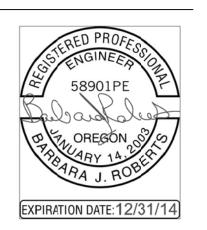
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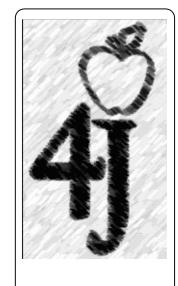
HORIZONTAL CONTROL PLAN NORTH PARKING LOT

C4.0









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EDUCATION CENTER
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REVISIONS
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PROJECT: 121603

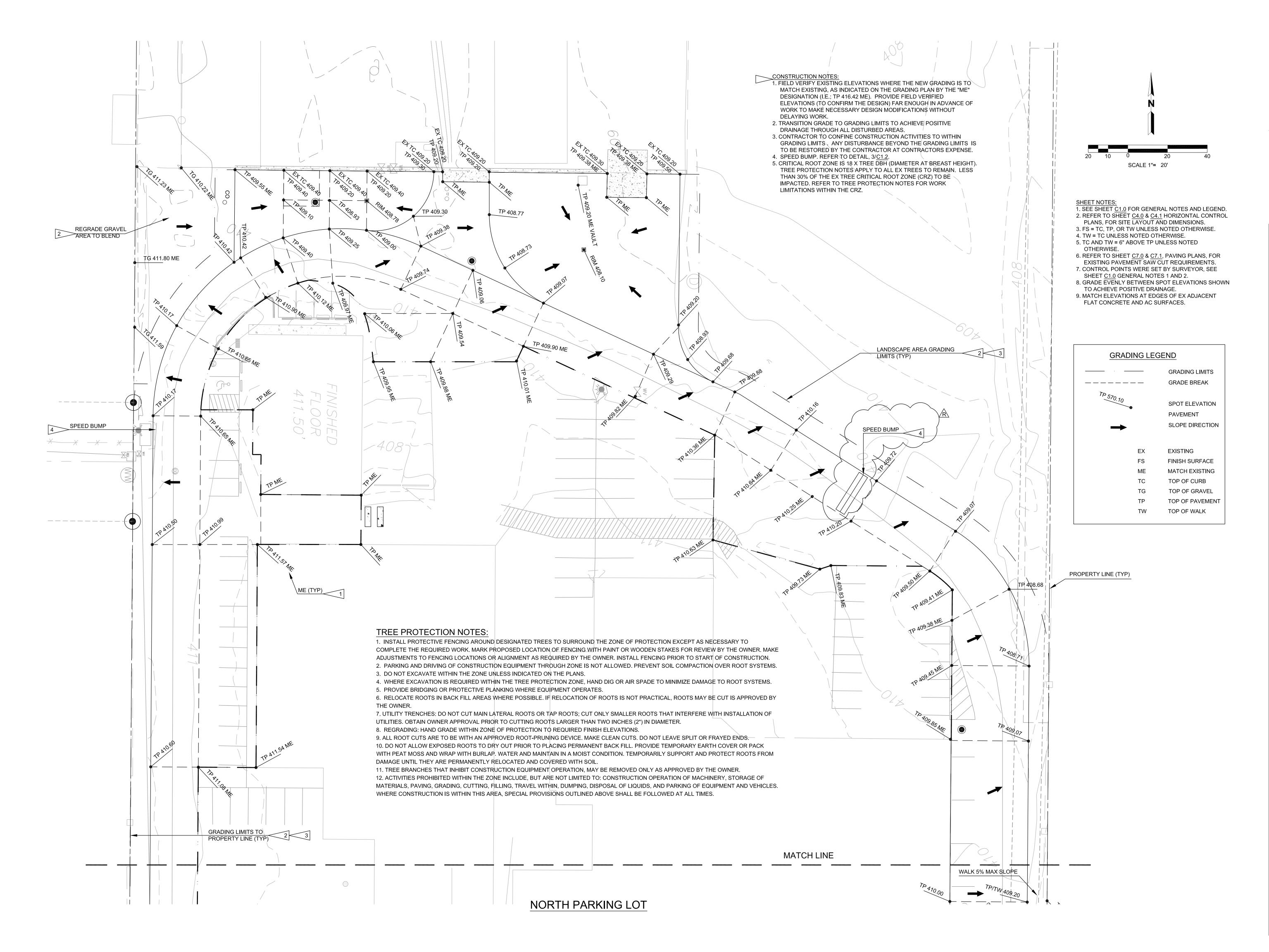
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CHECKED: BJR

DATE: 04/22/2013

HORIZONTAL CONTROL PLAN SOUTH PARKING LOT

C4.









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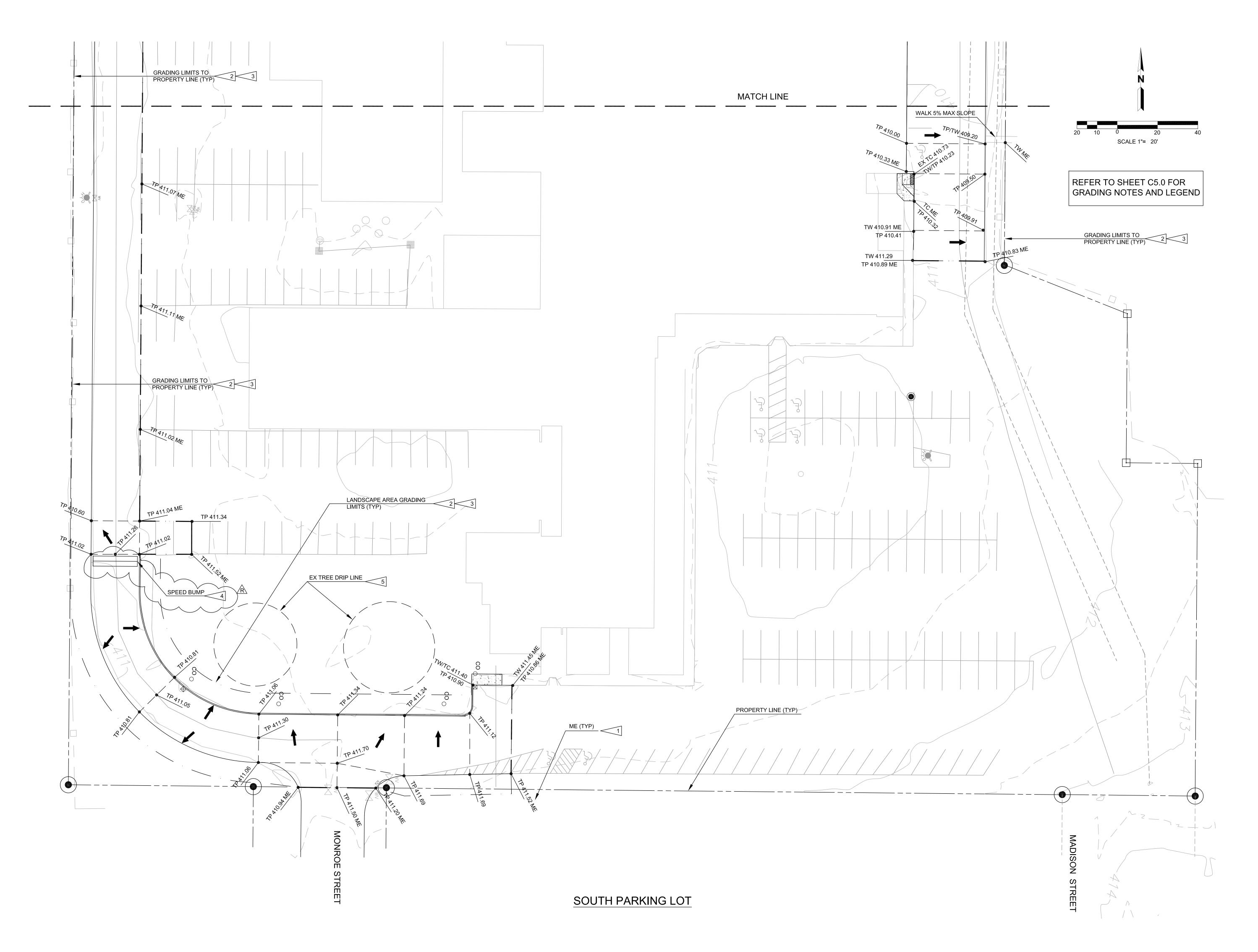
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DATE: 04/22/2013

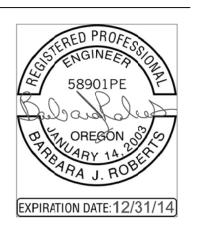
DRAWING TITLE

GRADING PLAN NORTH PARKING LOT

C5.0









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DRIVE LANE REPLACMENT

REVISIONS
SYM DATE REFERENCE

03/04/14 REV COMMENTS

PROJECT: 121603

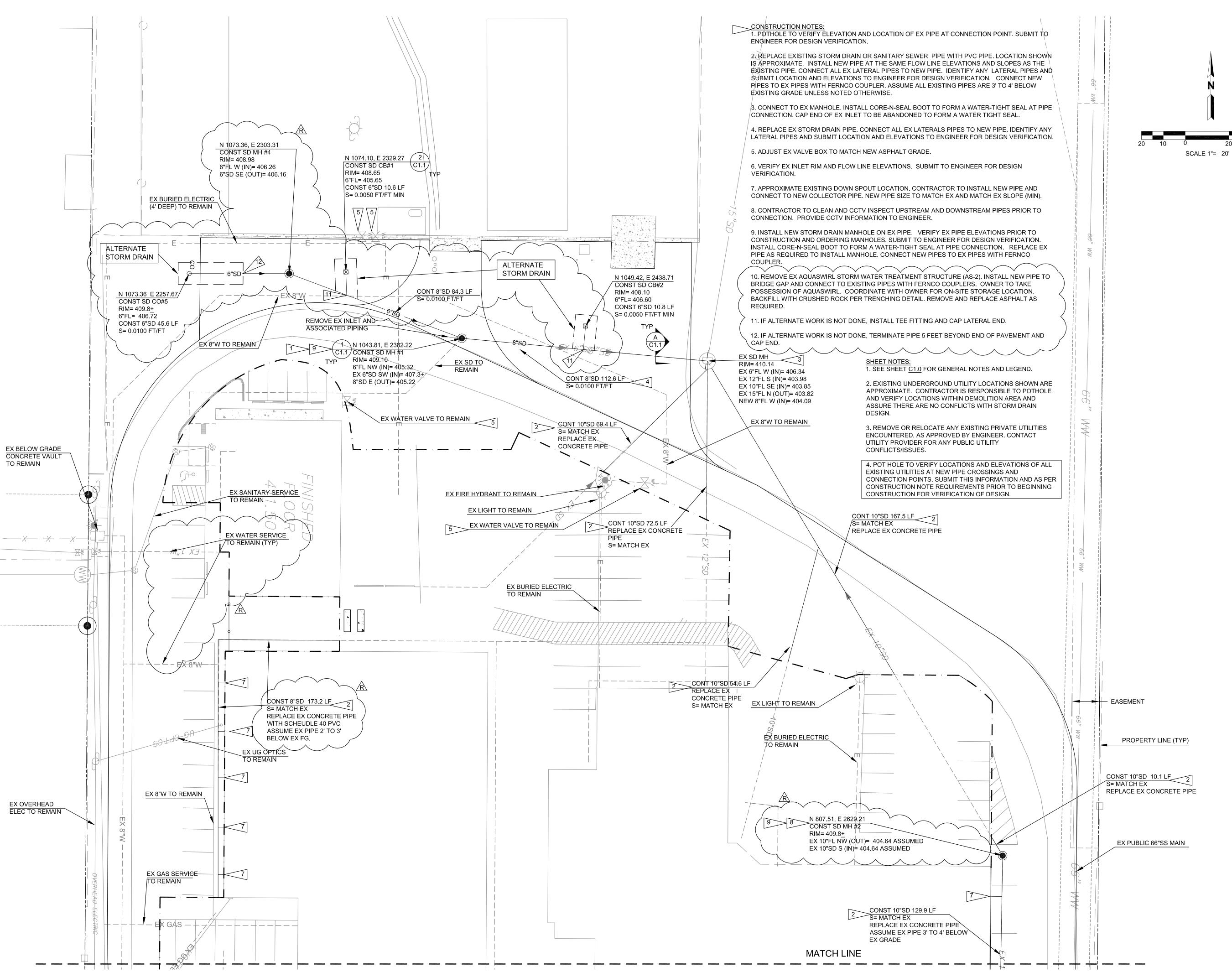
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CHECKED: BJR

DATE: 04/22/2013

GRADING PLAN SOUTH PARKING LOT

C5.









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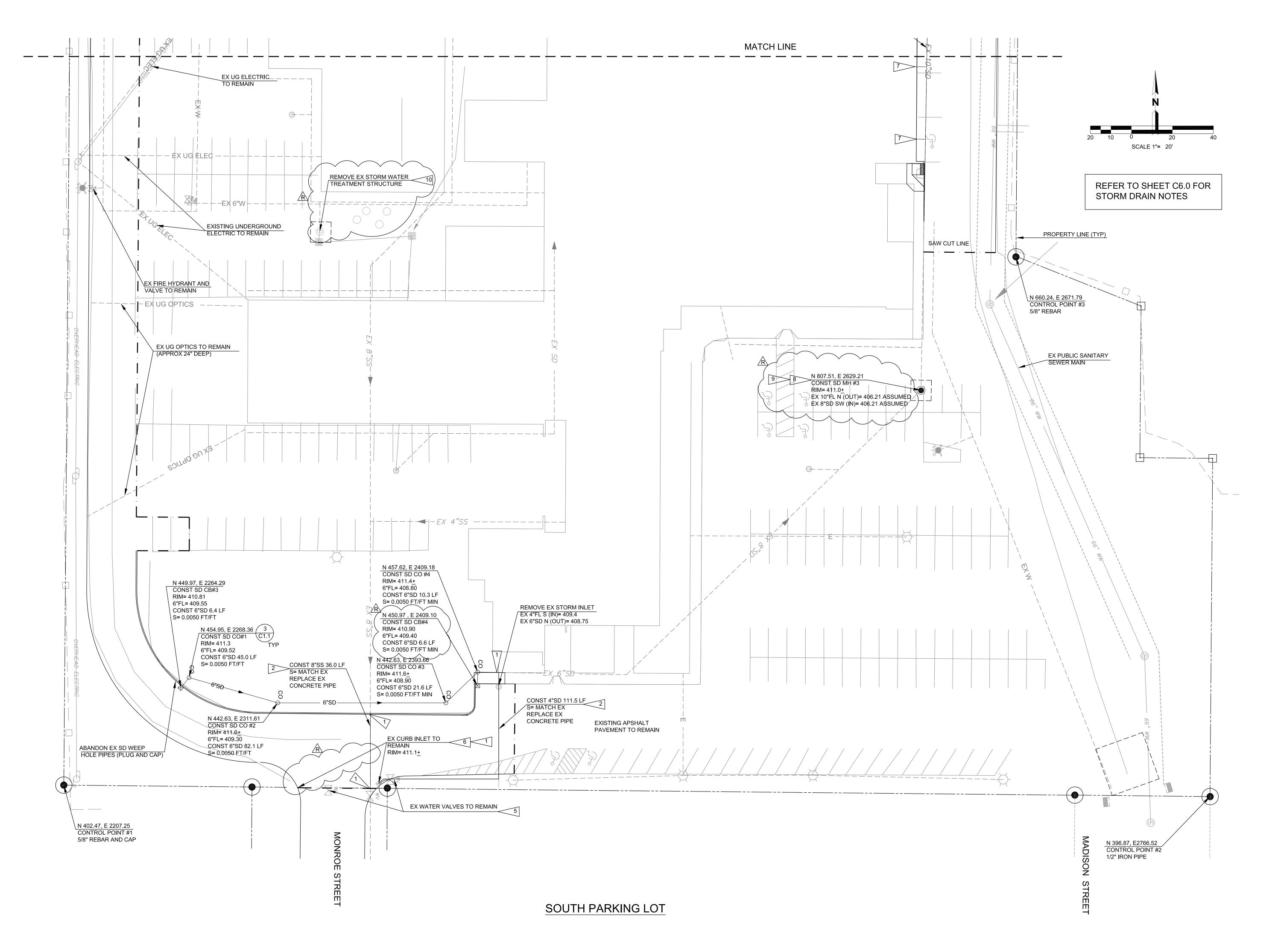
SITE UTILITY PLAN NORTH PARKING LOT

CHECKED: BJR

DATE:

DRAWING TITLE

C6.0









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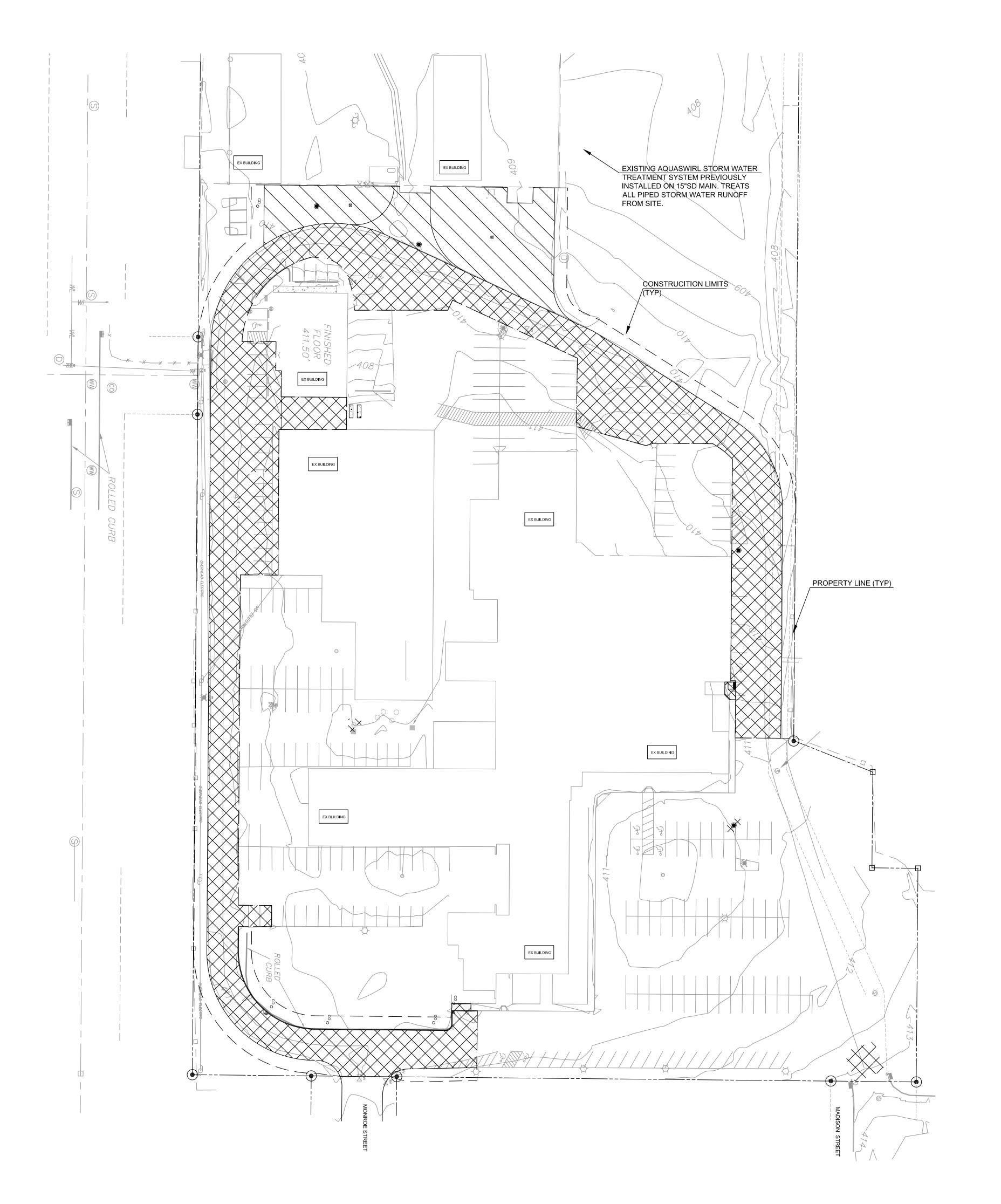
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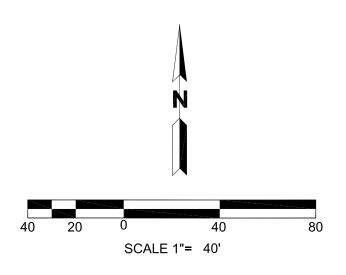
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DATE: 04/22/2013
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SITE UTILITY PLAN SOUTH PARKING LOT

C6.







1. PER THE CITY OF EUGENE STORM WATER MANAGEMENT MANUAL (SWMM), STORM WATER RUNOFF FROM ALL NEW AND CHANGED IMPERVIOUS SURFACES (EX PAVEMENT TO SIDEWALK, NEW PAVEMENT AREAS) REQUIRES TREATMENT FOR POLLUTION REDUCTION. CITY STAFF HAS INDICATED OTHER EX UNTREATED IMPERVIOUS SURFACES CAN BE TREATED IN LIEU OF SOME OR ALL OF THIS AREA.

• REPLACED IMPERVIOUS AREA TO CONTINUE THE CURRENT FUNCTION: 50,690 SF

- INCREASE IN IMPERVIOUS SURFACE REQUIRES TREATMENT: 11,600 SF NEW IMPERVIOUS AREA
- THE EXISTING AQUASWIRL TREATMENT STRUCTURE WAS PREVIOUSLY INSTALLED ON THE 15"SD MAIN DISCHARGE PIPE FROM THE SITE, TREATING 181,000 SF OF IMPERVIOUS AREA ON THE SITE. THIS CREATED A "BANK" OF TREATMENT AREA IN EXCESS OF WHAT WAS REQUIRED AT THAT TIME. THIS PROJECT WILL NOW DRAW FROM THIS "BANK" FOR THE 11,603 SF OF NEW IMPERVIOUS AREA

100-YEAR ESCAPE ROUTE: THE SITE BUILDINGS ARE ELEVATED ABOVE THE PARKING LOT PAVEMENTS, SO STORM EVENTS EXCEEDING THE STORM DRAIN SYSTEM DESIGN STORM (5-YEAR/24 HOUR) WILL SIMPLY SHEET FLOW TO THE ADJACENT PUBLIC ROADWAYS AND LANDSCAPE AREAS. PUBLIC SAFETY CONCERNS AND PROPERTY DAMAGE WILL BE AVOIDED. THE NEW IMPERVIOUS SURFACES ADDED ARE NEGLIGIBLE RELATIVE TO THE SIZE OF THE SITE, SO THEIR IS IN ESSENCE NO CHANGE FROM THE TOTAL EXISTING SITE DEVELOPMENT CONDITION.





PROJECT TITLE



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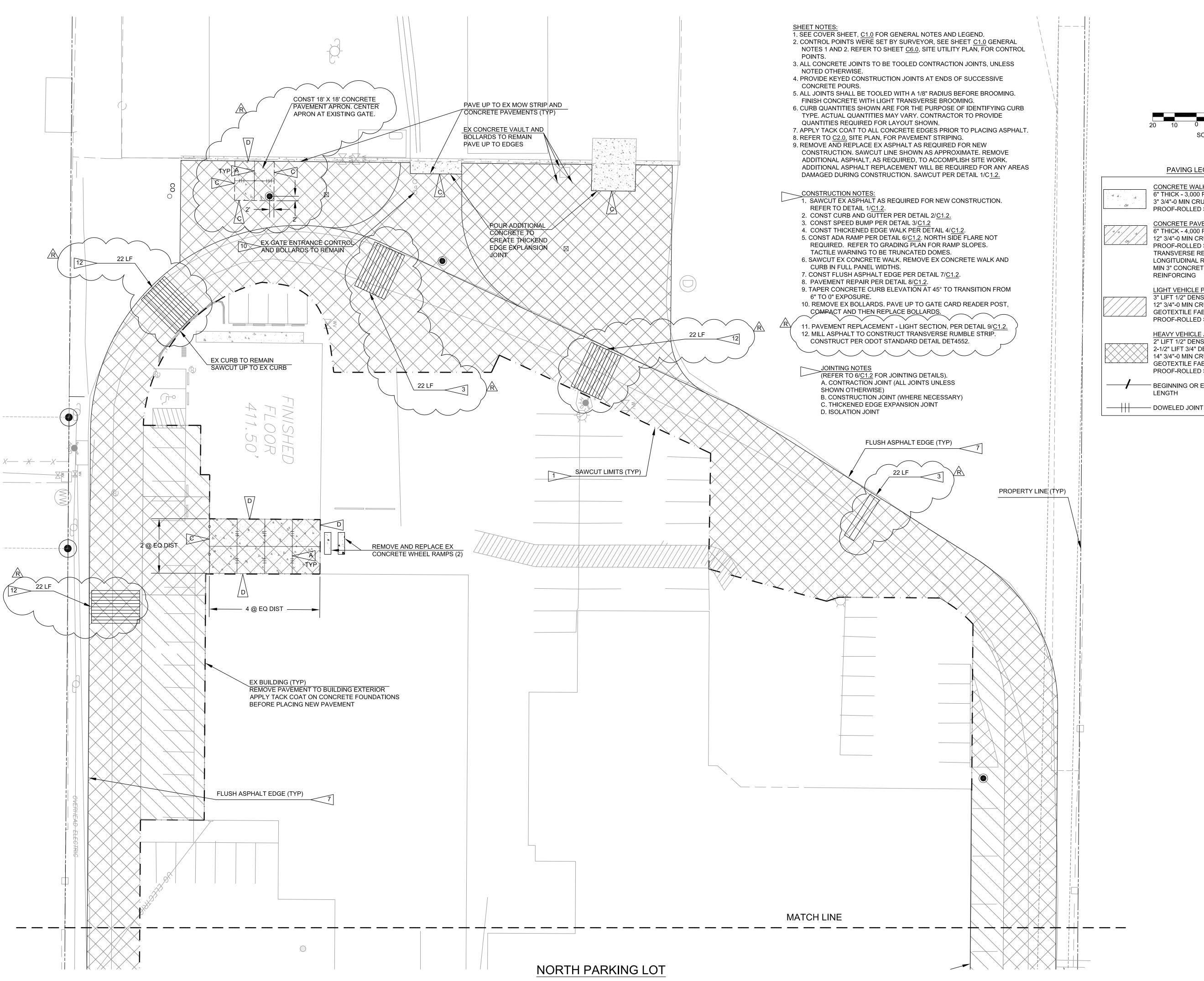
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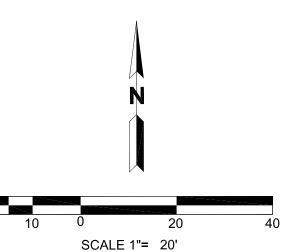
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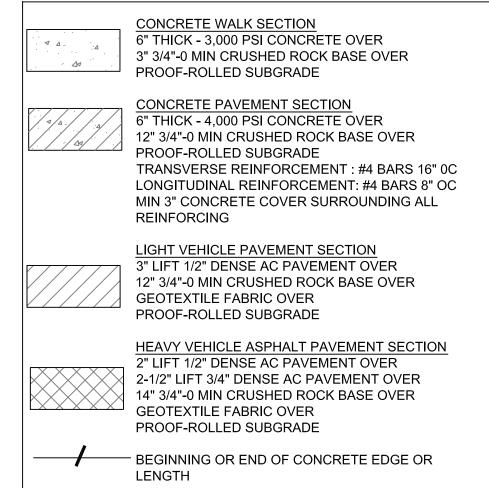
STORMWATER MANAGEMENT PLAN

<u>LEGEND</u> REPLACED IMPERVIOUS AREA TO CONTINUE CURRENT FUNCTION NEW IMPERVIOUS AREA





#### PAVING LEGEND







PROJECT TITLE

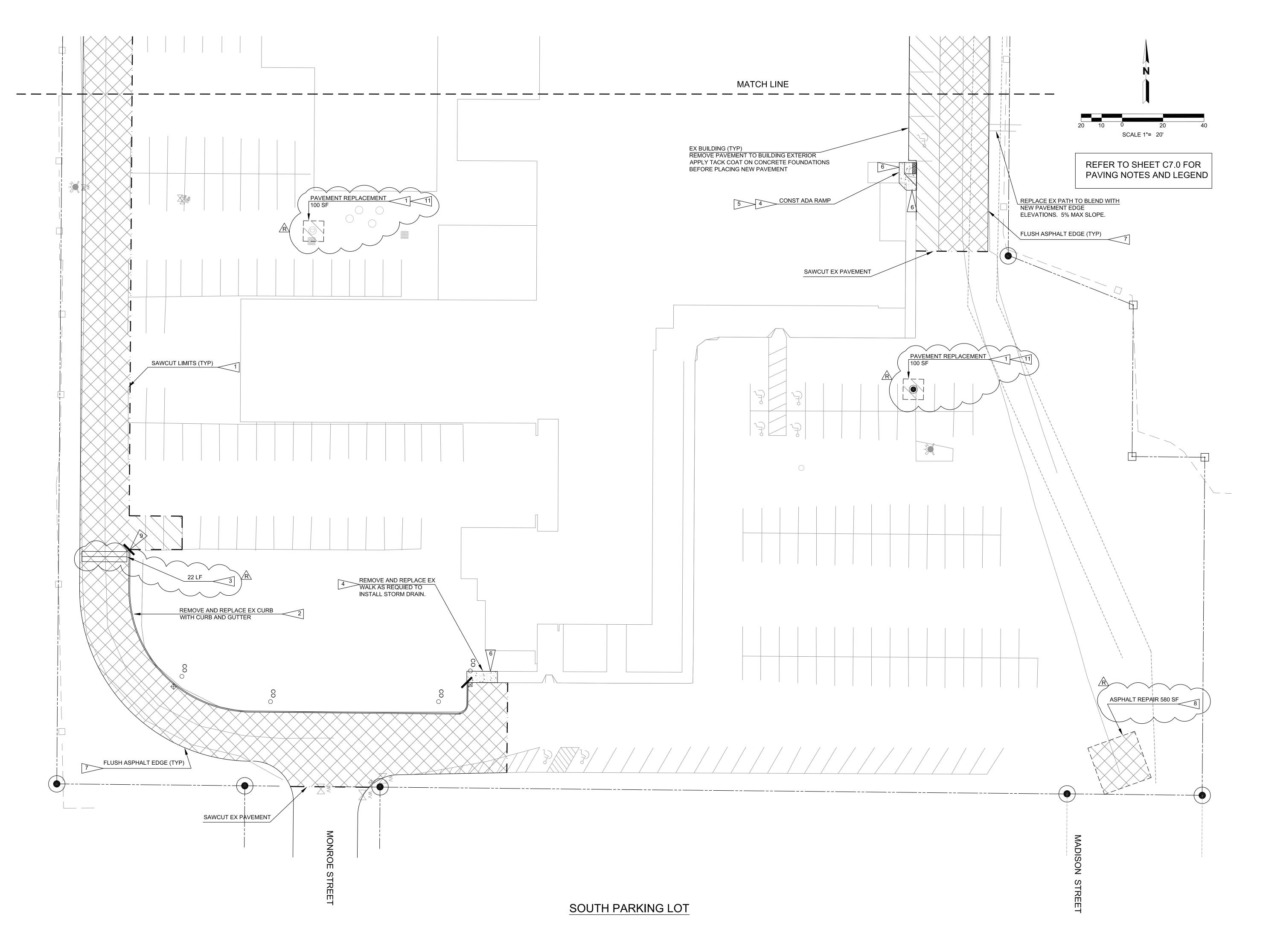


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PROJECT: 121603

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DATE: 04/22/2013
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PAVING PLAN South Parking Lot

C7.1