



CALL BLUESTAKES
@ 1-800-662-4111
AT LEAST 48 HOURS PRIOR
TO THE COMMENCEMENT OF
ANY CONSTRUCTION.

WEBER STATE UNIVERSITY

A-1 PARKING LOT RE-CONSTRUCTION

3848 HARRISON BOULEVARD
OGDEN CITY, UTAH

DFCM PROJECT NUMBER #10177810

FOR APPROVAL
NOT FOR CONSTRUCTION

DATE PRINTED
July 2, 2010

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UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND / OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

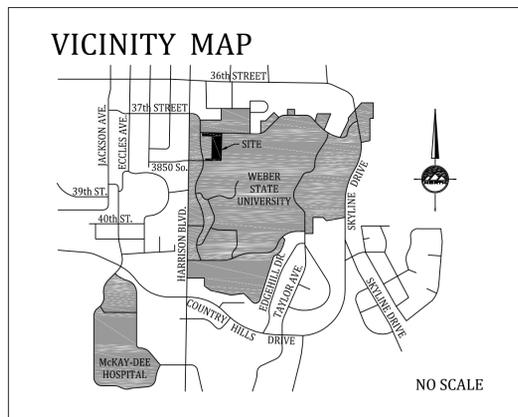
NOTICE TO DEVELOPER/ CONTRACTOR

UNAPPROVED DRAWINGS REPRESENT WORK IN PROGRESS, ARE SUBJECT TO CHANGE, AND DO NOT CONSTITUTE A FINISHED ENGINEERING PRODUCT. ANY WORK UNDERTAKEN BY DEVELOPER OR CONTRACTOR BEFORE PLANS ARE APPROVED IS UNDERTAKEN AT THE SOLE RISK OF THE DEVELOPER, INCLUDING BUT NOT LIMITED TO BIDS, ESTIMATION, FINANCING, BONDING, SITE CLEARING, GRADING, INFRASTRUCTURE CONSTRUCTION, ETC.

CITY ENGINEER ACCEPTANCE OF IMPROVEMENT PLANS

THE IMPROVEMENT PLANS FOR THIS SUBDIVISION HAVE BEEN REVIEWED BY THE CITY ENGINEER FOR GENERAL CONFORMANCE WITH THE REQUIREMENTS OF THE CITY SUBDIVISION ORDINANCE. THIS SET OF CITY APPROVED DRAWINGS SHALL BE USED FOR CONSTRUCTION OF THE REQUIRED SUBDIVISION IMPROVEMENTS. THE DEVELOPER'S ENGINEER, WHOSE STAMP IS ON THESE DRAWINGS, IS RESPONSIBLE FOR THE ENGINEERING DESIGN, DRAFTING AND RELATED FIELD INFORMATION. THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR THE DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS OR HER WORK WITH THAT OF ALL OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF HIS OR HER WORK.

BY: _____ DATE: _____
CITY ENGINEER



GENERAL NOTES

- ALL WORK SHALL CONFORM WITH THE STATE OF UTAH STANDARDS & SPECIFICATIONS.
- CALL BLUE STAKES 48 HOURS PRIOR TO DIGGING.
- BENCHMARK ELEVATION = WEBER COUNTY BENCHMARK #WC-31 1985 LOCATED AT THE NORTHEAST CORNER OF THE MCKAY-DEE HOSPITAL GROUNDS. BRASS CAP SET IN A CONCRETE BASE 5 FEET WEST OF HARRISON CURBING, 3 FEET NORTH OF A MANHOLE COVER, 7 FEET SOUTH OF RETAINING WALL WITH CHAINLINK FENCE. ELEV. = 4611.007
LOCAL BENCHMARK TOP OF RETAINING WALL BEFORE TAPER AT BACK OF SIDEWALK ON THE SOUTH SIDE OF EDVALSON STREET AND THE EAST SIDE OF THE PARKING LOT. ELEV. = 4606.20.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING MANHOLES AND OTHER UTILITIES BEFORE CONSTRUCTING ANY IMPROVEMENTS.
- DFCM PROJECT NO. 10177810.
- PARKING LOT IS DESIGNATED AS AN "A-1" PARKING LOT.

ENGINEER/SURVEYOR:



LAYTON
1485 West Hillfield Rd.
Suite 204
Layton UT 84041
Phone: 801.547.1100
Fax: 801.593.6315
www.ensignutah.com

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PLEASANT GROVE
Phone: 801.796.8145

TOOLE
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FOR:
DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UT. 84114

CONTACT:
LUCAS DAVIS
PHONE: 801-538-3791
FAX: 801-538-3267

WEBER STATE UNIVERSITY
A-1 PARKING LOT RE-CONSTRUCTION
3848 HARRISON BOULEVARD
OGDEN CITY, UTAH



NO.	DATE	REVISION	BY
1	6-18-10	FOR REVIEW	MCE
2	6-29-10	FOR REVIEW	MCE
3	8-2-10	FOR APPROVAL	CF
4			
5			
6			
7			
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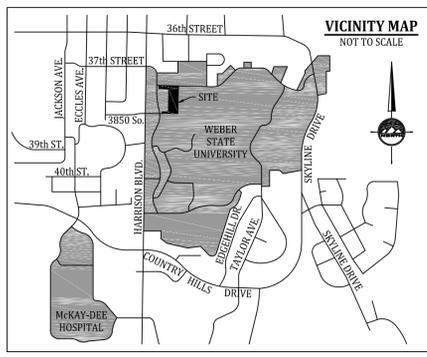
COVER SHEET

PROJECT NUMBER: 11908
DATE: 7/2/10
DRAWN BY: M.ELMNER
CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C-0

 CALL BLUESTAKES @ 1-800-462-4111 AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

BENCHMARK
LOCAL BENCHMARK IS TOP OF RETAINING WALL BEFORE TAPER AT BACK OF SIDEWALK ON THE SOUTH SIDE OF EDVALSON STREET AND THE EAST SIDE OF THE PARKING LOT
ELEVATION = 4606.20



ENSIGN

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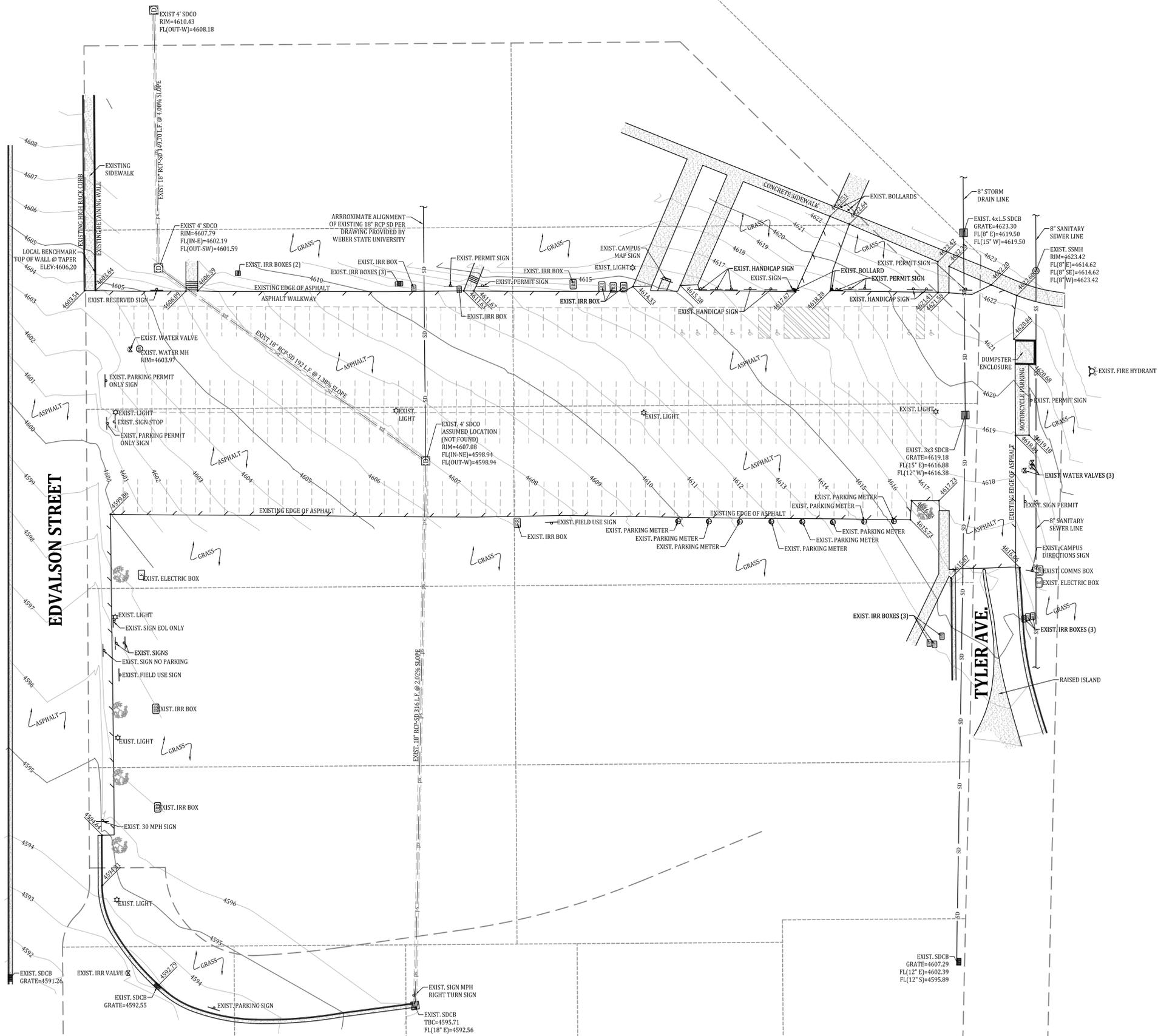
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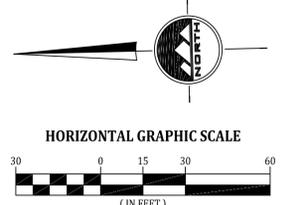
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LEGEND

	SECTION CORNER
	MONUMENT
	EXIST REBAR AND CAP
	SET ENSIGN REBAR AND CAP
	WATER METER
	WATER MANHOLE
	WATER VALVE
	FIRE HYDRANT
	IRRIGATION VALVE
	IRRIGATION BOX
	SANITARY SEWER MANHOLE
	STORM DRAIN CLEAN OUT
	STORM DRAIN CATCH BASIN
	SIGN
	ELECTRICAL BOX
	COMMUNICATIONS BOX
	LIGHT
	EDGE OF ASPHALT
	EDGE OF DAMAGED ASPHALT
	SANITARY SEWER
	STORM DRAIN LINE
	EXISTING CONTOURS
	CONCRETE
	BUILDING



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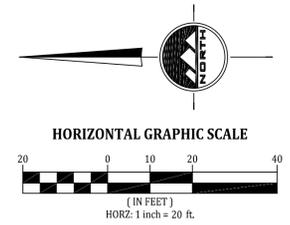
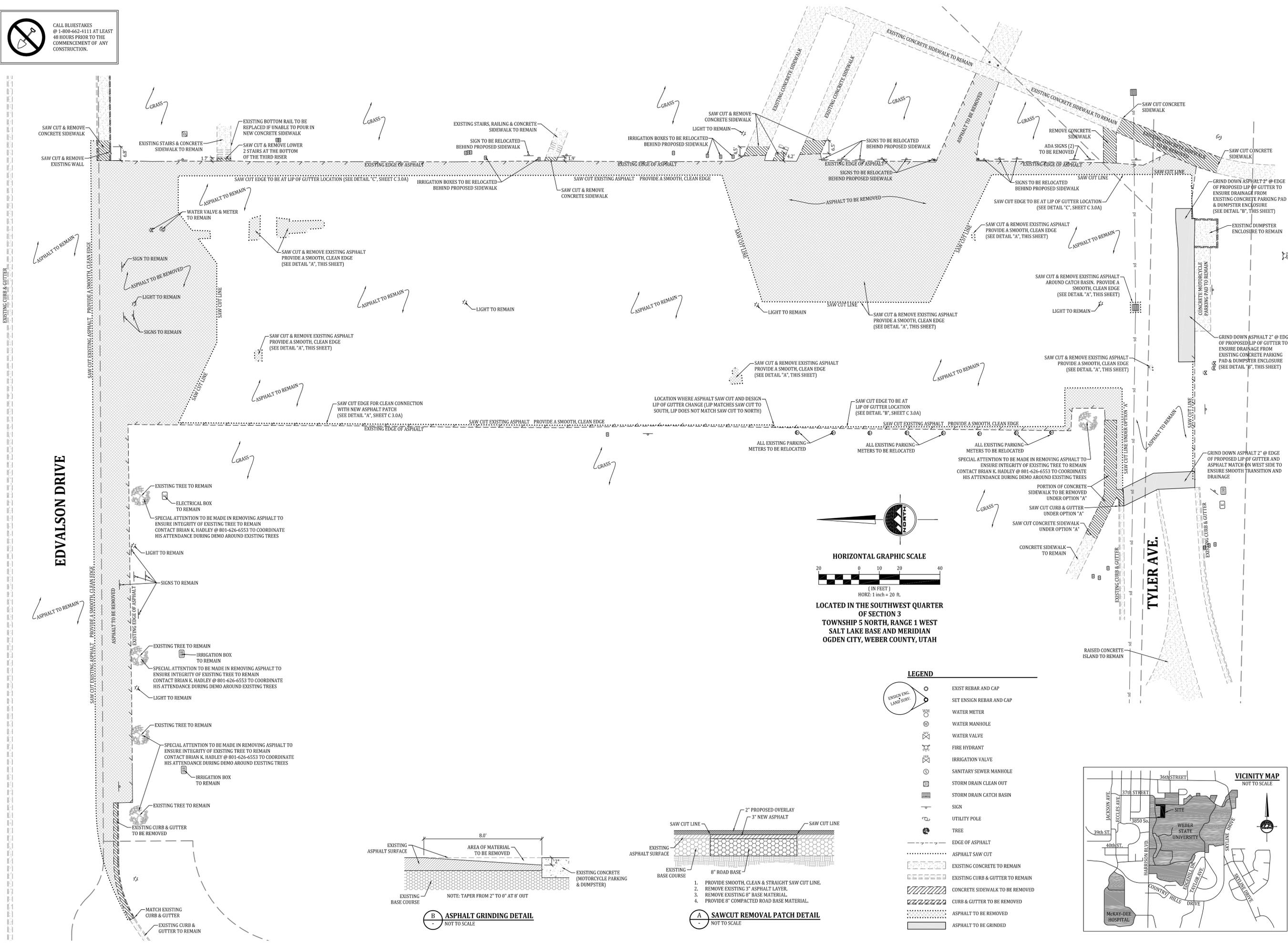
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6			
7			
8			

TOPOGRAPHY SURVEY

PROJECT NUMBER: 11908 DATE: 7/2/10
DRAWN BY: M.ELMEER CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C 1.0

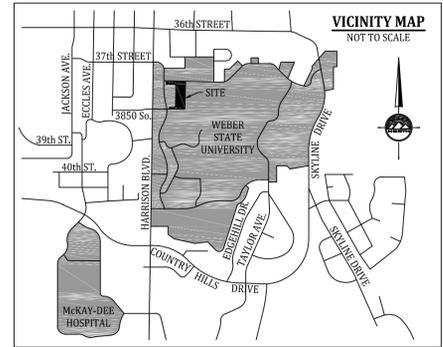
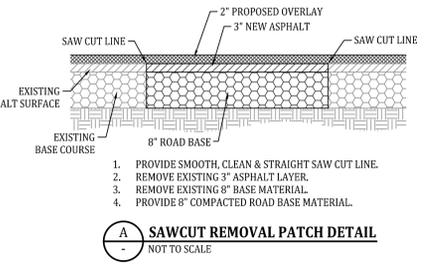
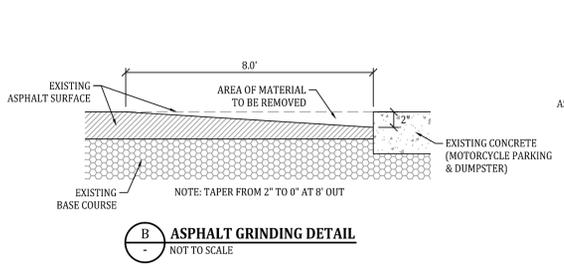
LOCATED IN THE SOUTHWEST QUARTER OF SECTION 3
TOWNSHIP 5 NORTH, RANGE 1 WEST
SALT LAKE BASE AND MERIDIAN
OGDEN CITY, WEBER COUNTY, UTAH



LOCATED IN THE SOUTHWEST QUARTER OF SECTION 3 TOWNSHIP 5 NORTH, RANGE 1 WEST SALT LAKE BASE AND MERIDIAN OGDEN CITY, WEBER COUNTY, UTAH

LEGEND

	EXIST REBAR AND CAP
	SET ENSIGN REBAR AND CAP
	WATER METER
	WATER MANHOLE
	WATER VALVE
	FIRE HYDRANT
	IRRIGATION VALVE
	SANITARY SEWER MANHOLE
	STORM DRAIN CLEAN OUT
	STORM DRAIN CATCH BASIN
	UTILITY POLE
	TREE
	EDGE OF ASPHALT
	ASPHALT SAW CUT
	EXISTING CONCRETE TO REMAIN
	EXISTING CURB & GUTTER TO REMAIN
	CONCRETE SIDEWALK TO BE REMOVED
	CURB & GUTTER TO BE REMOVED
	ASPHALT TO BE REMOVED
	ASPHALT TO BE GROUND



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5
6
7
8

SITE DEMOLITION PLAN

PROJECT NUMBER DATE
L1908 7/2/10

DRAWN BY CHECKED BY
M.ELMER C.PRESTON

PROJECT MANAGER
K.RUSSELL

C 2.0

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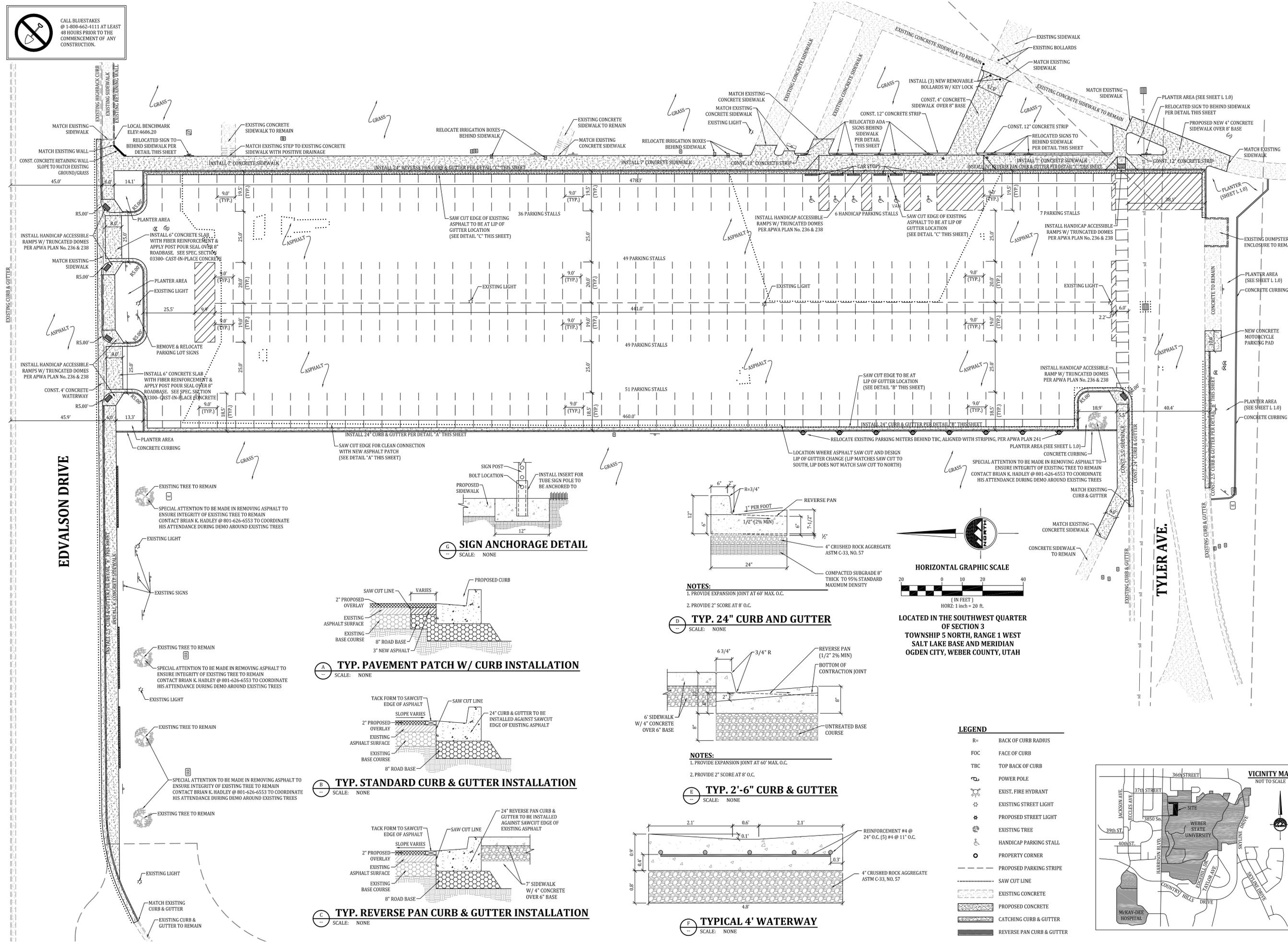


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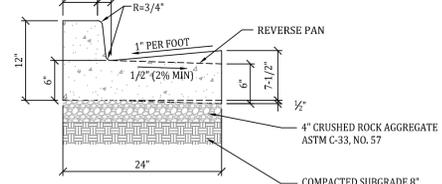
**SITE
DIMENSION
PLAN**

PROJECT NUMBER: 11908
DATE: 7/2/10
DRAWN BY: M.ELMER
CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C 3.0 A

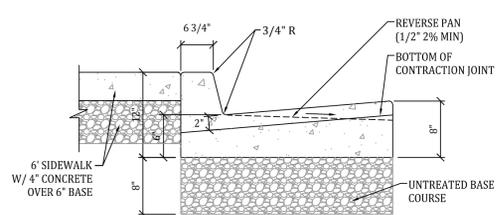


SIGN ANCHORAGE DETAIL
SCALE: NONE



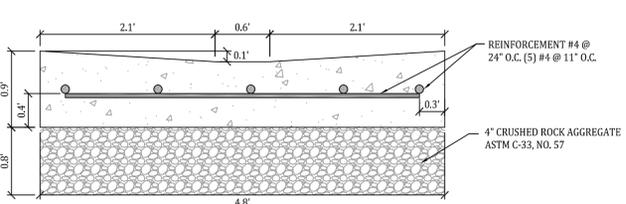
NOTES:
1. PROVIDE EXPANSION JOINT AT 60' MAX. O.C.
2. PROVIDE 2" SCORE AT 8' O.C.

TYP. 24" CURB AND GUTTER
SCALE: NONE



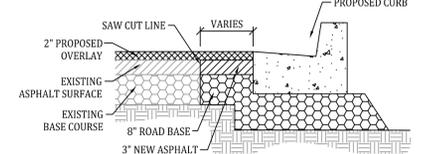
NOTES:
1. PROVIDE EXPANSION JOINT AT 60' MAX. O.C.
2. PROVIDE 2" SCORE AT 8' O.C.

TYP. 2'-6" CURB & GUTTER
SCALE: NONE

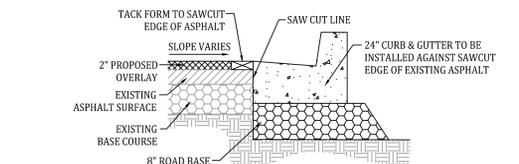


TYPICAL 4" WATERWAY
SCALE: NONE

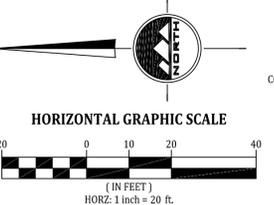
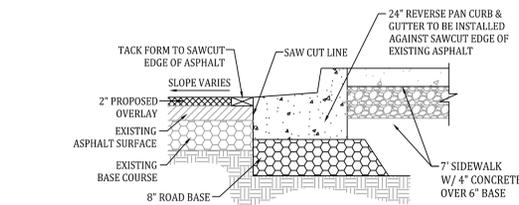
TYP. PAVEMENT PATCH W/ CURB INSTALLATION
SCALE: NONE



TYP. STANDARD CURB & GUTTER INSTALLATION
SCALE: NONE



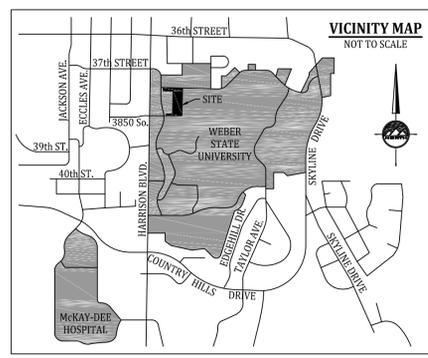
TYP. REVERSE PAN CURB & GUTTER INSTALLATION
SCALE: NONE



LOCATED IN THE SOUTHWEST QUARTER
OF SECTION 3
TOWNSHIP 5 NORTH, RANGE 1 WEST
SALT LAKE BASE AND MERIDIAN
OGDEN CITY, WEBER COUNTY, UTAH

LEGEND

- R= BACK OF CURB RADIUS
- FOC FACE OF CURB
- TBC TOP BACK OF CURB
- POWER POLE
- EXIST. FIRE HYDRANT
- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT
- EXISTING TREE
- HANDICAP PARKING STALL
- PROPERTY CORNER
- PROPOSED PARKING STRIPE
- SAW CUT LINE
- EXISTING CONCRETE
- PROPOSED CONCRETE
- CATCHING CURB & GUTTER
- REVERSE PAN CURB & GUTTER





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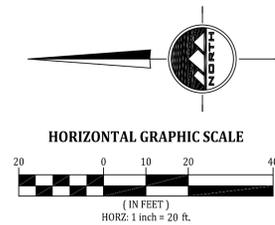
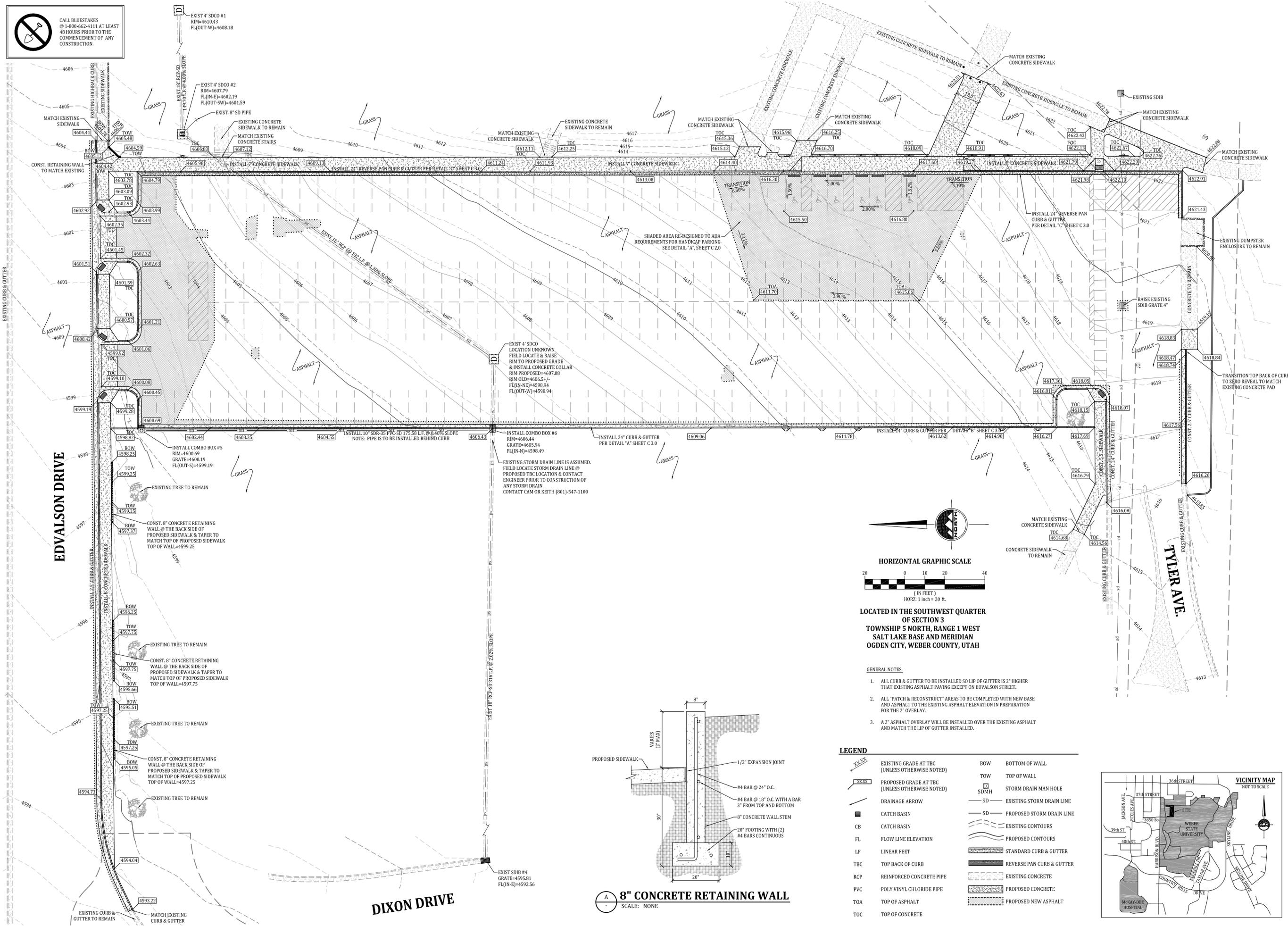


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GRADING & DRAINAGE PLAN

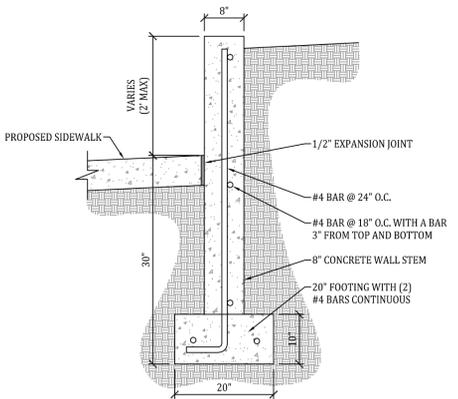
PROJECT NUMBER: 11908
DATE: 7/2/10
DRAWN BY: M.ELMER
CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C 4.0



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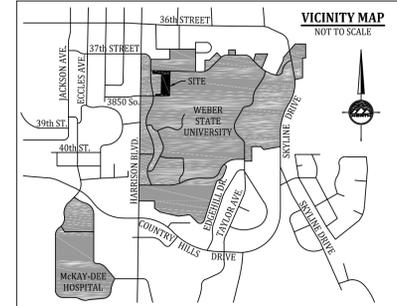
- GENERAL NOTES:**
1. ALL CURB & GUTTER TO BE INSTALLED SO LIP OF GUTTER IS 2" HIGHER THAN EXISTING ASPHALT PAVING EXCEPT ON EDVALSON STREET.
 2. ALL "PATCH & RECONSTRUCT" AREAS TO BE COMPLETED WITH NEW BASE AND ASPHALT TO THE EXISTING ASPHALT ELEVATION IN PREPARATION FOR THE 2" OVERLAY.
 3. A 2" ASPHALT OVERLAY WILL BE INSTALLED OVER THE EXISTING ASPHALT AND MATCH THE LIP OF GUTTER INSTALLED.



8" CONCRETE RETAINING WALL
SCALE: NONE

LEGEND

	EXISTING GRADE AT TBC (UNLESS OTHERWISE NOTED)		BOW BOTTOM OF WALL
	PROPOSED GRADE AT TBC (UNLESS OTHERWISE NOTED)		TOW TOP OF WALL
	DRAINAGE ARROW		SDMH STORM DRAIN MAN HOLE
	CATCH BASIN		SD EXISTING STORM DRAIN LINE
	CATCH BASIN		SD PROPOSED STORM DRAIN LINE
	FLOW LINE ELEVATION		EXISTING CONTOURS
	LINEAR FEET		PROPOSED CONTOURS
	TBC TOP BACK OF CURB		STANDARD CURB & GUTTER
	RCP REINFORCED CONCRETE PIPE		REVERSE PAN CURB & GUTTER
	PVC POLY VINYL CHLORIDE PIPE		EXISTING CONCRETE
	TOA TOP OF ASPHALT		PROPOSED CONCRETE
	TOC TOP OF CONCRETE		PROPOSED NEW ASPHALT



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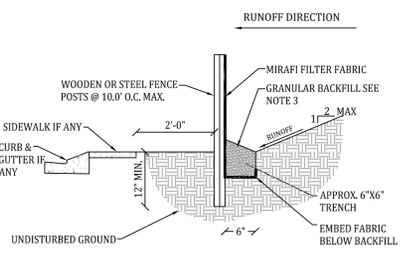
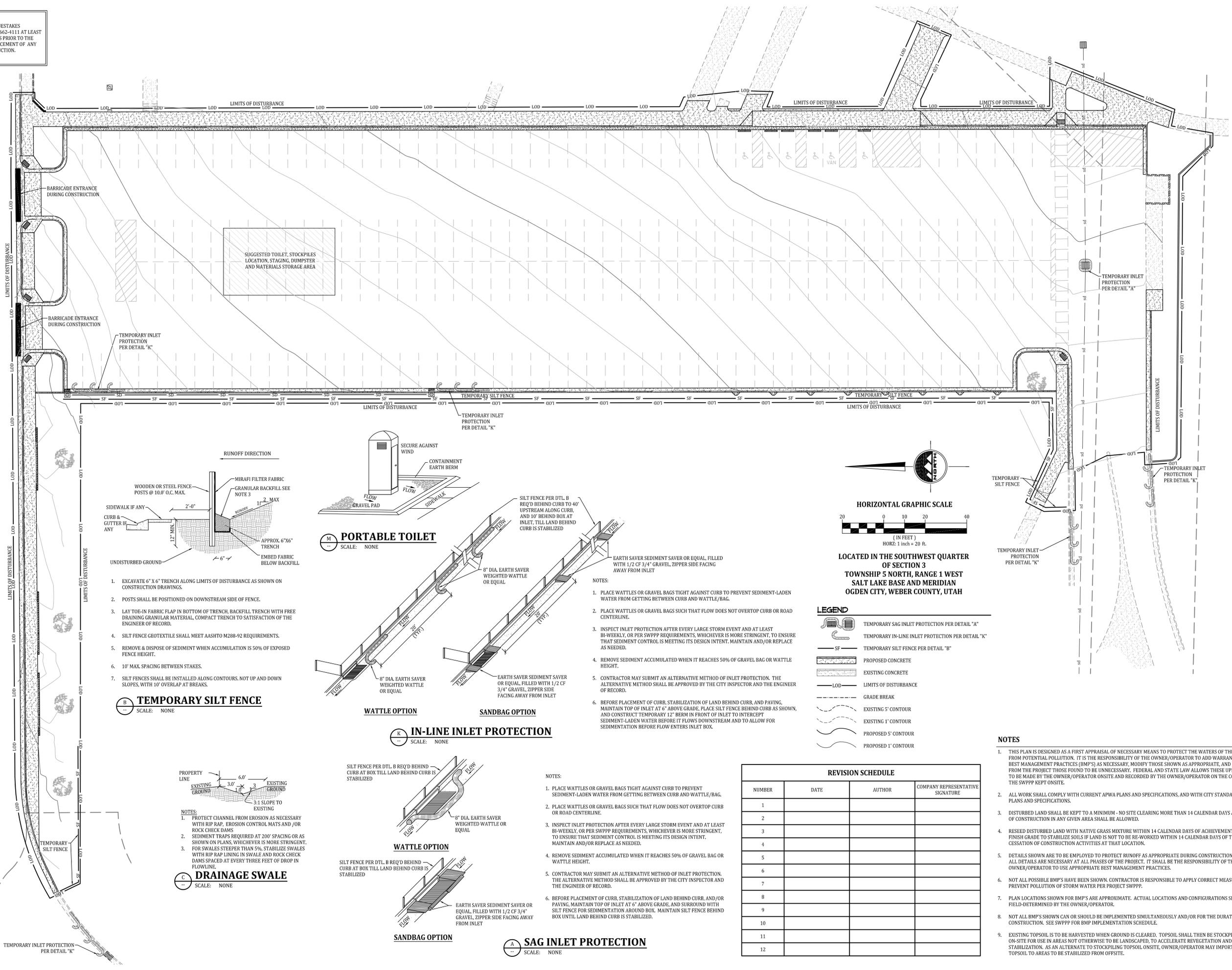
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EROSION & SEDIMENT CONTROL PLAN

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CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

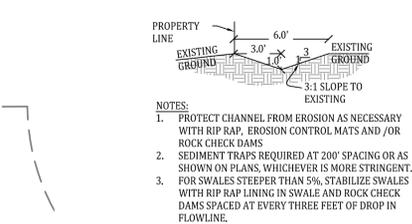
C 5.0

EDVALSON STREET



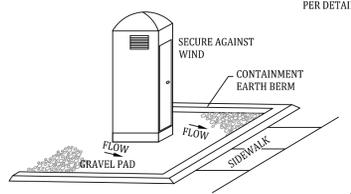
- EXCAVATE 6" X 6" TRENCH ALONG LIMITS OF DISTURBANCE AS SHOWN ON CONSTRUCTION DRAWINGS.
- POSTS SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
- LAY TOE-IN FABRIC FLAP IN BOTTOM OF TRENCH, BACKFILL TRENCH WITH FREE DRAINING GRANULAR MATERIAL, COMPACT TRENCH TO SATISFACTION OF THE ENGINEER OF RECORD.
- SILT FENCE GEOTEXTILE SHALL MEET AASHTO M288-92 REQUIREMENTS.
- REMOVE & DISPOSE OF SEDIMENT WHEN ACCUMULATION IS 50% OF EXPOSED FENCE HEIGHT.
- 10' MAX. SPACING BETWEEN STAKES.
- SILT FENCES SHALL BE INSTALLED ALONG CONTOURS, NOT UP AND DOWN SLOPES, WITH 10' OVERLAP AT BREAKS.

TEMPORARY SILT FENCE
SCALE: NONE

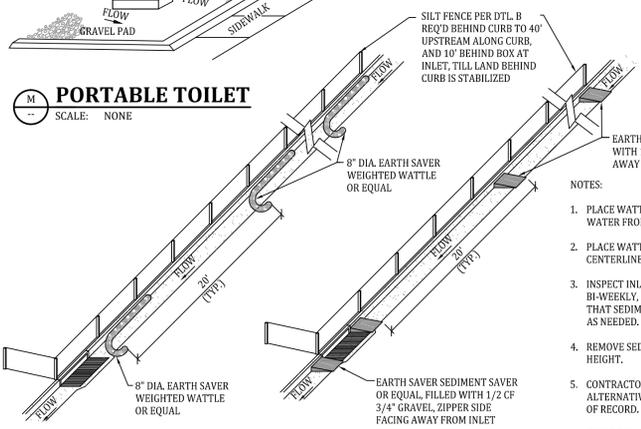


- PROTECT CHANNEL FROM EROSION AS NECESSARY WITH RIP RAP, EROSION CONTROL MATS AND /OR ROCK CHECK DAMS.
- SEDIMENT TRAPS REQUIRED AT 200' SPACING OR AS SHOWN ON PLANS, WHICHEVER IS MORE STRINGENT.
- FOR SWALES STEEPER THAN 5%, STABILIZE SWALES WITH RIP RAP LINING IN SWALE AND ROCK CHECK DAMS SPACED AT EVERY THREE FEET OF DROP IN FLOWLINE.

DRAINAGE SWALE
SCALE: NONE

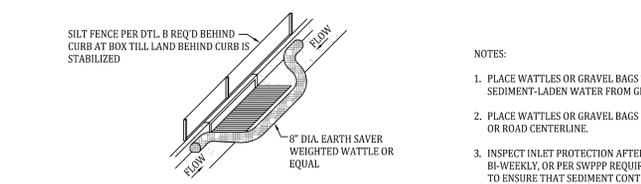


PORTABLE TOILET
SCALE: NONE

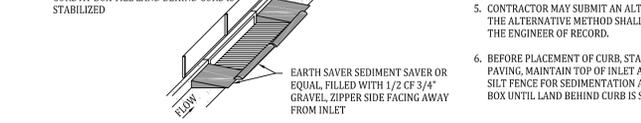


WATTLE OPTION **SANDBAG OPTION**

IN-LINE INLET PROTECTION
SCALE: NONE



WATTLE OPTION

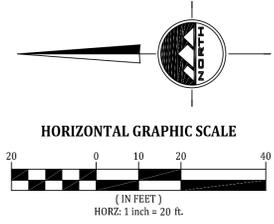


SANDBAG OPTION

- PLACE WATTLES OR GRAVEL BAGS TIGHT AGAINST CURB TO PREVENT SEDIMENT-LADEN WATER FROM GETTING BETWEEN CURB AND WATTLE/BAG.
- PLACE WATTLES OR GRAVEL BAGS SUCH THAT FLOW DOES NOT OVERTOP CURB OR ROAD CENTERLINE.
- INSPECT INLET PROTECTION AFTER EVERY LARGE STORM EVENT AND AT LEAST BI-WEEKLY, OR PER SWPPP REQUIREMENTS, WHICHEVER IS MORE STRINGENT, TO ENSURE THAT SEDIMENT CONTROL IS MEETING ITS DESIGN INTENT. MAINTAIN AND/OR REPLACE AS NEEDED.
- REMOVE SEDIMENT ACCUMULATED WHEN IT REACHES 50% OF GRAVEL BAG OR WATTLE HEIGHT.
- CONTRACTOR MAY SUBMIT AN ALTERNATIVE METHOD OF INLET PROTECTION. THE ALTERNATIVE METHOD SHALL BE APPROVED BY THE CITY INSPECTOR AND THE ENGINEER OF RECORD.
- BEFORE PLACEMENT OF CURB, STABILIZATION OF LAND BEHIND CURB, AND PAVING, MAINTAIN TOP OF INLET AT 6" ABOVE GRADE, PLACE SILT FENCE BEHIND CURB AS SHOWN, AND CONSTRUCT TEMPORARY 12" BERM IN FRONT OF INLET TO INTERCEPT SEDIMENT-LADEN WATER BEFORE IT FLOWS DOWNSTREAM AND TO ALLOW FOR SEDIMENTATION BEFORE FLOW ENTERS INLET BOX.

- PLACE WATTLES OR GRAVEL BAGS TIGHT AGAINST CURB TO PREVENT SEDIMENT-LADEN WATER FROM GETTING BETWEEN CURB AND WATTLE/BAG.
- PLACE WATTLES OR GRAVEL BAGS SUCH THAT FLOW DOES NOT OVERTOP CURB OR ROAD CENTERLINE.
- INSPECT INLET PROTECTION AFTER EVERY LARGE STORM EVENT AND AT LEAST BI-WEEKLY, OR PER SWPPP REQUIREMENTS, WHICHEVER IS MORE STRINGENT, TO ENSURE THAT SEDIMENT CONTROL IS MEETING ITS DESIGN INTENT. MAINTAIN AND/OR REPLACE AS NEEDED.
- REMOVE SEDIMENT ACCUMULATED WHEN IT REACHES 50% OF GRAVEL BAG OR WATTLE HEIGHT.
- CONTRACTOR MAY SUBMIT AN ALTERNATIVE METHOD OF INLET PROTECTION. THE ALTERNATIVE METHOD SHALL BE APPROVED BY THE CITY INSPECTOR AND THE ENGINEER OF RECORD.
- BEFORE PLACEMENT OF CURB, STABILIZATION OF LAND BEHIND CURB, AND/OR PAVING, MAINTAIN TOP OF INLET AT 6" ABOVE GRADE, AND SURROUND WITH SILT FENCE FOR SEDIMENTATION AROUND BOX. MAINTAIN SILT FENCE BEHIND BOX UNTIL LAND BEHIND CURB IS STABILIZED.

SAG INLET PROTECTION
SCALE: NONE



LOCATED IN THE SOUTHWEST QUARTER OF SECTION 3
TOWNSHIP 5 NORTH, RANGE 1 WEST
SALT LAKE BASE AND MERIDIAN
OGDEN CITY, WEBER COUNTY, UTAH

- LEGEND**
- TEMPORARY SAG INLET PROTECTION PER DETAIL "A"
 - TEMPORARY IN-LINE INLET PROTECTION PER DETAIL "K"
 - TEMPORARY SILT FENCE PER DETAIL "B"
 - PROPOSED CONCRETE
 - EXISTING CONCRETE
 - LIMITS OF DISTURBANCE
 - GRADE BREAK
 - EXISTING 5' CONTOUR
 - EXISTING 1' CONTOUR
 - PROPOSED 5' CONTOUR
 - PROPOSED 1' CONTOUR

REVISION SCHEDULE			
NUMBER	DATE	AUTHOR	COMPANY REPRESENTATIVE SIGNATURE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

- NOTES**
- THIS PLAN IS DESIGNED AS A FIRST APPRAISAL OF NECESSARY MEANS TO PROTECT THE WATERS OF THE STATE FROM POTENTIAL POLLUTION. IT IS THE RESPONSIBILITY OF THE OWNER/OPERATOR TO ADD WARRANTED BEST MANAGEMENT PRACTICES (BMP'S) AS NECESSARY, MODIFY THOSE SHOWN AS APPROPRIATE, AND DELETE FROM THE PROJECT THOSE FOUND TO BE UNNECESSARY. FEDERAL AND STATE LAW ALLOWS THESE UPDATES TO BE MADE BY THE OWNER/OPERATOR ON-SITE AND RECORDED BY THE OWNER/OPERATOR ON THE COPY OF THE SWPPP KEPT ON-SITE.
 - ALL WORK SHALL COMPLY WITH CURRENT APWA PLANS AND SPECIFICATIONS, AND WITH CITY STANDARD PLANS AND SPECIFICATIONS.
 - DISTURBED LAND SHALL BE KEPT TO A MINIMUM - NO SITE CLEARING MORE THAN 14 CALENDAR DAYS AHEAD OF CONSTRUCTION IN ANY GIVEN AREA SHALL BE ALLOWED.
 - RESEED DISTURBED LAND WITH NATIVE GRASS MIXTURE WITHIN 14 CALENDAR DAYS OF ACHIEVEMENT OF FINISH GRADE TO STABILIZE SOILS IF LAND IS NOT TO BE RE-WORKED WITHIN 14 CALENDAR DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES AT THAT LOCATION.
 - DETAILS SHOWN ARE TO BE EMPLOYED TO PROTECT RUNOFF AS APPROPRIATE DURING CONSTRUCTION - NOT ALL DETAILS ARE NECESSARY AT ALL PHASES OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/OPERATOR TO USE APPROPRIATE BEST MANAGEMENT PRACTICES.
 - NOT ALL POSSIBLE BMP'S HAVE BEEN SHOWN. CONTRACTOR IS RESPONSIBLE TO APPLY CORRECT MEASURES TO PREVENT POLLUTION OF STORM WATER PER PROJECT SWPPP.
 - PLAN LOCATIONS SHOWN FOR BMP'S ARE APPROXIMATE. ACTUAL LOCATIONS AND CONFIGURATIONS SHALL BE FIELD-DETERMINED BY THE OWNER/OPERATOR.
 - NOT ALL BMP'S SHOWN CAN OR SHOULD BE IMPLEMENTED SIMULTANEOUSLY AND/OR FOR THE DURATION OF CONSTRUCTION. SEE SWPPP FOR BMP IMPLEMENTATION SCHEDULE.
 - EXISTING TOPSOIL IS TO BE HARVESTED WHEN GROUND IS CLEARED. TOPSOIL SHALL THEN BE STOCKPILED ON-SITE FOR USE IN AREAS NOT OTHERWISE TO BE LANDSCAPED, TO ACCELERATE REVEGETATION AND STABILIZATION. AS AN ALTERNATE TO STOCKPILING TOPSOIL ON-SITE, OWNER/OPERATOR MAY IMPORT TOPSOIL TO AREAS TO BE STABILIZED FROM OFF-SITE.

1. PURPOSE/SCOPE

THIS STORM WATER POLLUTION PLAN HAS BEEN PREPARED FOR THE WEBER STATE UNIVERSITY PARKING LOT RE-CONSTRUCTION IN OGDEN, UTAH. THE PURPOSE OF THE PLAN IS TO PROVIDE THE CONTRACTOR AND OWNER WITH DIRECTION HOW TO PREVENT THE POLLUTION OF THE RECEIVING WATERS DOWNSTREAM FROM THE SITE. THE BEST MANAGEMENT PRACTICES (BMP'S) HEREIN ARE NOT NECESSARILY COMPREHENSIVE OR EXCLUSIVE, AND IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO EMPLOY WHATEVER MEANS NECESSARY, INCLUDING BUT NOT LIMITED TO THE PROVISIONS OF THIS PLAN, TO PROTECT THE RECEIVING WATERS FROM POLLUTANTS. BMP'S IMPLEMENTED NOT OTHERWISE COVERED IN THIS SWPPP SHALL BE ADDED TO SWPPP BY AMENDMENT.

THIS STORM WATER POLLUTION PREVENTION PLAN HAS BEEN DEVELOPED TO COMPLY WITH STATE AND LOCAL BEST MANAGEMENT PRACTICES AND REGULATORY REQUIREMENTS. THE PLAN, IF PROPERLY IMPLEMENTED, SHOULD RESULT IN DISCHARGE OF WATER TO THE ENVIRONMENT WITHOUT THE VIOLATION OF WATER QUALITY STANDARDS.

THE CONTRACTOR'S AND OWNER'S PERSONNEL WHOSE ACTIVITIES COULD AFFECT THE STORM RUNOFF FROM THE SITE SHALL BE EDUCATED AND TRAINED WITH THE NECESSARY INFORMATION TO ENABLE THEM TO CONDUCT THEIR WORK IN SUCH A MANNER AS TO COMPLY WITH THIS PLAN, AND WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS REGARDING STORM WATER POLLUTION PREVENTION.

A SIGNED COPY OF THIS PLAN SHALL BE KEPT ON SITE DURING ALL PHASES OF THE SUBDIVISION CONSTRUCTION, OR AT A DESIGNATED PLACE OFF SITE WHEN PERSONNEL ARE NOT ON SITE.

2. OWNER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND REFERENCES WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

LUCAS DAVIS DATE DIVISION FO FACILITIES CONSTRUCTION AND MANAGEMENT

3. SITE CONTACT INFORMATION:

OWNER REPRESENTATIVE: LUCAS DAVIS, STATE OF UTAH, DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT, 4110 STATE OFFICE BUILDING, SALT LAKE CITY, UTAH 84114. PROJECT CONTRACTOR: NAME, POSITION, COMPANY, ADDRESS 1, CITY, STATE, ZIP. OGDEN CITY PUBLIC WORKS, 133 WEST 29TH STREET, OGDEN, UTAH 84401. ENVIRONMENTAL PROTECTION AGENCY, DENVER, COLORADO. NATIONAL RESPONSE CENTER HOTLINE.

4. REFERENCES

- SWPPP DOCUMENTS: THE FOLLOWING SHEETS ARE PART OF THE SWPPP AND MUST BE KEPT WITH THIS SHEET ON SITE AS PART OF THE PLAN. SHEET C-4.0 - GRADING AND DRAINAGE PLAN; SHEET C-5.0 - EROSION AND SEDIMENT CONTROL PLAN; PERMANENT DETENTION BASIN STORM DRAIN CALCULATIONS; SUPDES PERMIT (COPY TO BE KEPT WITH SWPPP ON-SITE).
- SUPPLEMENTARY INFO: THE FOLLOWING REFERENCES ARE FOR INFORMATION AND ARE NOT PART OF THE SWPPP.

5. REVISIONS AND AMENDMENTS:

- FIRST APPRAISAL: THIS PLAN IS DESIGNED AS A FIRST APPRAISAL OF NECESSARY MEANS TO PROTECT THE WATERS OF THE STATE FROM POTENTIAL POLLUTION. IT IS THE RESPONSIBILITY OF THE OWNER, OPERATOR TO ADD WAIVERED BEST MANAGEMENT PRACTICES (BMP'S) AS NECESSARY, MODIFY THOSE SHOWN AS APPROPRIATE, AND DELETE FROM THE PROJECT THOSE FOUND TO BE UNNECESSARY. FEDERAL AND STATE LAW ALLOWS THESE UPDATES TO BE MADE BY THE OWNER/OPERATOR ON SITE AND RECORDED BY THE OWNER/OPERATOR ON THE COPY OF THE SWPPP KEPT ON SITE.
- WHEN TO AMEND: THIS PLAN SHALL BE AMENDED WHENEVER: THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE THAT HAS A SUBSTANTIAL EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE; INSPECTIONS OR INVESTIGATIONS BY OFFICIALS INDICATE THAT THE PLAN IS INEFFECTIVE IN ELIMINATING, MINIMIZING, OR CONTROLLING THE DISCHARGE OF POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITY; THERE IS A NEW CONTRACTOR OR SUBCONTRACTOR THAT IMPLEMENTS A MEASURE OF THE STORM WATER POLLUTION PREVENTION PLAN; THERE IS A CHANGE IN STATE OR FEDERAL REGULATIONS THAT APPLIES TO THIS SWPPP; BMP'S NOT REFERENCED IN PLAN ARE USED ON SITE.

TRACKING AMENDMENTS: AMENDMENTS AND REVISIONS TO THIS PLAN SHALL BE NOTED IN THE REVISION BLOCK ON THE TITLE BLOCK ON THE RIGHT SIDE OF EACH SHEET, INCLUDING TYPE OF CHANGES AND DATE OF CHANGES. CHANGES SHALL BE MARKED WITH REVISION CLOUDS OR PLAN SHEETS WITH KEYED REFERENCES TO REVISION NUMBERS. AFTER CHANGES ARE MADE, OWNER, ENGINEER, AND CONTRACTOR SHALL SIGN AMENDED PLAN WHICH IS THEN THE PLAN TO BE KEPT ON SITE. SUPPERSEDED PLAN SHALL BE FILED BY OWNER OR CONTRACTOR WITH INSPECTION REPORTS.

NOTICE OF INTENT (NOI): A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY BEFORE THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. IN THE EVENT OF A CHANGE IN OWNERSHIP, A NEW NOTICE OF INTENT SHALL BE FILED WITH THE SAME AGENCY. A COPY OF THE UPDES PERMIT SHALL BE PROVIDED TO THE CITY.

DEVIATIONS FROM PLANS: ANY DEVIATIONS FROM THE PLANS AS SHOWN DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF ENSIGN ENGINEERING FOR EVALUATION AS TO WHETHER THE CHANGES AFFECT THE STORM WATER POLLUTION PREVENTION PLAN.

PARTIAL TRANSFER OF OWNERSHIP: IF OWNERSHIP OF A PORTION OF THE PROJECT IS TRANSFERRED TO ANOTHER BEFORE FILING OF THE NOTICE OF TERMINATION (NOT), LIABILITY FOR STORM WATER POLLUTION PREVENTION FOR THE PARCEL SHALL BE TRANSFERRED TO THE NEW OWNER BY CONTRACT. THE NEW OWNER SHALL BE RESPONSIBLE TO CONDUCT OPERATIONS IN SUCH A MANNER AS TO NOT INTERFERE WITH THIS PLAN, AND IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

6. PROJECT MANAGEMENT

SIGNED SWPPP AVAILABLE: A SIGNED COPY OF THIS SWPPP SHALL BE MAINTAINED ON SITE AT ALL TIMES, OR SHALL BE AVAILABLE OFF SITE AT A LOCATION POSTED ON SITE, WHEN PERSONNEL ARE NOT PRESENT ON SITE. A NOTICE MUST BE POSTED CONSPICUOUSLY AT THE PROJECT ENTRANCE SHOWING:

- A COPY OF THE NOTICE OF INTENT (NOI);
- CURRENT LOCATION OF THE SIGNED SWPPP;
- CURRENT CONTACT PERSON AND TELEPHONE NUMBER FOR SCHEDULING TIMES TO REVIEW THE SWPPP.

PHASING OF CONSTRUCTION: THE PROJECT HAS BEEN PLANNED AT THIS POINT IN A SINGLE PHASE WHICH WILL RESULT IN THE REPLACEMENT OF ISOLATED DAMAGED ASPHALT AREAS AND THE INSTALLATION OF CURB AND GUTTER ALONG THE BORDERS OF THE EXISTING PARKING LOT. FROM THE BEGINNING OF CONSTRUCTION UNTIL THE COMPLETION OF THE PROJECT, THE STORM WATER TREATMENT SYSTEM WILL REMAIN OPERATIONAL TO PURIFY STORM WATER IMPACTED BY CONSTRUCTION ACTIVITIES.

TRAINING: CONTRACTOR WILL PROVIDE ON-SITE TRAINING TO KEY PERSONNEL RESPONSIBLE FOR COMPLIANCE WITH THE SWPPP. THE CONTRACTOR'S SUPERINTENDENT AND PROJECT MANAGER WILL BE FAMILIARIZED WITH THE MAJOR ELEMENTS OF THE PLAN. CONSTRUCTION WORKERS AND OTHERS AT THE SITE WILL BE GIVEN APPROPRIATE TRAINING INFORMATION AT THE CONCLUSION OF SITE SAFETY MEETINGS OR ON AN AS-NEEDED BASIS. THE OWNER SHALL APPPOINT AN EROSION AND SEDIMENT CONTROL LEAD AT THE PRECONSTRUCTION CONFERENCE WHO WILL TAKE AN ACTIVE ROLE IN APPLYING THE PROVISIONS OF THIS PLAN ON SITE.

PRECONSTRUCTION CONFERENCE: ONE OR MORE PRECONSTRUCTION MEETINGS WILL BE HELD WITH AN EXPLICIT AGENDA ITEM ADDRESSING THE SWPPP.

COORDINATION WITH UTILITIES AND OTHER CONTRACTORS: ALL CONTRACTORS PROVIDING SERVICES ON THE PROJECT WHICH MAY CAUSE STORM WATER POLLUTION WILL BE GIVEN A COPY OF THE SWPPP AND APPROPRIATE TRAINING REGARDING STORM WATER POLLUTION PREVENTION.

SUBCONTRACTOR OVERSIGHT: SUBCONTRACTOR OVERSIGHT TO ENSURE COMPLIANCE WITH THE SWPPP WILL BE PROVIDED BY THE PRIME CONTRACTOR'S SUPERINTENDENT OR PROJECT MANAGER. INFORMAL, ON-THE-JOB TAILGATE TRAINING WILL BE THE FIRST LEVEL OF COMMUNICATION FOLLOWED BY ON SITE OBSERVATION OF TRAINING COMPLIANCE. NONCOMPLIANCE WITH SWPPP POLICIES WILL TRIGGER A MORE INTENSIVE TRAINING SESSION TO CORRECT THE PROBLEM(S). CHRONIC NON-COMPLIANCE WITH SWPPP POLICIES MAY REQUIRE THE INTERVENTION OF LOCAL AND/OR STATE REGULATORY PERSONNEL.

7. CONTRACTOR'S CERTIFICATION

THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS WHOSE WORK MAY AFFECT THE STORM WATER DISCHARGE AND/OR BMP'S IN THIS PLAN ARE REQUIRED TO CERTIFY THE FOLLOWING:

WE, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW THAT WE UNDERSTAND AND WILL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN AND WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR THE PROTECTION OF STORM WATER DISCHARGE. WE UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE AS PART OF THIS CERTIFICATION.

SIGNATURE: DATE COMPANY: RESPONSIBLE FOR:

8. CONSTRUCTION ENVIRONMENTAL SUMMARY

DESCRIPTION OF PROJECT: THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT CURB AND GUTTER AROUND THE PERIMETER OF THE EXISTING PARKING LOT AND ALONG THE SOUTHERN BORDER OF EDVALSON STREET. ISOLATED AREAS OF DAMAGED ASPHALT IN THE PARKING LOT WILL BE REMOVED AND REPLACED PRIOR TO A 2' ASPHALT OVERLAY OVER THE ENTIRE EXISTING PARKING LOT.

NATURE OF WORK: CONSTRUCTION OF THE PARKING LOT MODIFICATION WILL INCLUDE THE FOLLOWING EARLY-DISTURBING ACTIVITIES: SAWCUTTING AND REMOVAL OF THE EXISTING ASPHALT SURFACE AND BASE MATERIAL IN THE EXISTING PARKING LOT AND ON THE SOUTH SIDE OF EDVALSON STREET & TRENCHING AND INSTALLATION OF A STORM DRAIN SYSTEM TO COLLECT ON-SITE STORMWATER.

SITE INFORMATION: PROPOSED CONSTRUCTION: EXISTING PARKING LOT RENOVATION. TOTAL PROJECT AREA: 1,910 ACRES. TOTAL DISTURBED AREA: 1,910 ACRES. TOTAL VOLUME OF CUT/FILL: 187,055 CU-YD. TOTAL PROPOSED IMPERVIOUS AREA BEFORE/AFTER CONSTRUCTION: 1,802/1,802 ACRES. WEIGHTED RUNOFF COEFFICIENT BEFORE/AFTER CONSTRUCTION: 0.857/0.857.

EXISTING SITE TOPOGRAPHY: SITE GENTLY SLOPES FROM THE SOUTHEAST CORNER OF THE PARKING LOT TOWARD NORTHWEST TO EDVALSON STREET TO THE NORTH OF THE EXISTING PARKING LOT.

EXISTING VEGETATION TYPE AND CONDITION: EXISTING ASPHALT PARKING LOT WITH ASPHALT WALKWAYS.

EXISTING SOIL CHARACTERISTICS: 2-3 INCHES OF ASPHALT OVERTOP AN EXISTING BASE COURSE.

EXISTING WATER QUALITY: THE EXISTING GROUND WATER QUALITY IS ASSUMED TO BE TYPICAL OF THAT WHICH IS SAFE FOR DRINKING. THE EXISTING STORM RUNOFF WATER QUALITY IS ASSUMED TO BE TYPICAL OF SUBURBAN RESIDENTIAL DEVELOPMENTS.

RECEIVING WATERS FOR EXISTING AND PROPOSED RUNOFF: EXISTING STORM DRAIN SYSTEM IN EVALSON STREET AND ON-SITE THAT DRAINS INTO THE OGDEN CITY STORM DRAIN SYSTEM. THE STORM DRAIN SYSTEM IS EVENTUALLY DISCHARGED INTO THE WEBER RIVER, A TRIBUTARY TO THE GREAT SALT LAKE AT THE OGDEN BAY WATERWAY MANAGEMENT AREA.

CRITICAL AREAS ON OR NEAR SITE: RUNOFF TO THE EXISTING STORM DRAIN SYSTEM IN EDVALSON STREET AND THE EXISTING STORM DRAIN SYSTEM THAT PASSES THROUGH THE SITE.

POTENTIAL EROSION PROBLEMS EXISTING OR ANTICIPATED: THE REMOVAL OF THE ASPHALT SURFACE ON THE NORTH ENTRANCE TO THE SITE COULD POSE AN SIGNIFICANT AMOUNT OF SEDIMENT TO ENTER THE STORM DRAIN SYSTEM TO THE WEST OF THE ENTRANCE IN EDVALSON STREET. CARE SHOULD MADE TO ENSURE TRUCKS ENTER/EXIT THE SITE THROUGH THE SOUTH ENTRANCE AND LIMIT THE TRUCKS FROM LEAVING THE EXISTING ASPHALT SURFACE.

POTENTIAL POLLUTION SOURCES: EXPOSED SOILS THAT COULD BECOME WATERBORNE OR AIRBORNE, VEHICLES COULD TRACK MATERIAL OFFSITE. CONCRETE WASHOUT COULD ENTER STORM DRAIN SYSTEM, CHEMICALS AND MATERIALS STORED OR USED ON-SITE COULD BE SPILLED, SANITARY WASTE COULD BE IMPROPERLY DISPOSED OF.

CONSTRUCTION SEQUENCING/MAJOR SOIL DISTURBING ACTIVITIES: SEE SWPPP IMPLEMENTATION SEQUENCE BELOW AND EROSION AND SEDIMENT CONTROL PLAN, SHEET C-5.0. THE MEASURES SHOWN BELOW AND ON SHEET C-5.0, EROSION AND SEDIMENT CONTROL PLAN, ARE NOT EXCLUSIVE, AND CANNOT ALL BE APPLIED SIMULTANEOUSLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EMPLOY THE CORRECT BEST MANAGEMENT PRACTICES FOR EACH CONSTRUCTION STAGE, AND TO MAINTAIN THE BMP'S FOR AS LONG AS THEY ARE APPROPRIATE.

ENGINEERING CALCULATIONS: SEE GRADING AND DRAINAGE PLAN, SHEET C-4.0, FOR CALCULATIONS OF STORM WATER FLOW.

12. SEDIMENT CONTROLS

SOILS CONTROL: SOILS, GRAVELS, ETC., WHETHER STOCKPILED OR PLACED, SHALL BE KEPT COVERED AND/OR ADEQUATELY MOIST TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE.

RUNOFF INTERCEPTION: BEFORE BEING DISCHARGED FROM THE CONSTRUCTION SITE, SEDIMENT-CONTAMINATED STORM WATER WILL BE PREVENTED FROM ENTERING THE TREATMENT SYSTEM INCLUDING SEDIMENT TRAPS AND/OR SEDIMENTATION BASINS. CLEAN WATER BYPASSING THE SITE WILL BE ROUTED DIRECTLY TO THE RECEIVING SYSTEM.

SEQUENCING: SEDIMENT PONDS AND TRAPS, VEGETATED BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, AND OTHER BMP'S INTENDED TO TRAP SEDIMENT ON SITE WILL BE INSTALLED BEFORE OTHER LAND-DISTURBING ACTIVITIES TAKE PLACE (SEE SWPPP SEQUENCING DIAGRAM BELOW). SILT FENCES AND TEMPORARY DRAINAGE SWALES SHALL BE PLACED PER SHEET C-5.0, EROSION AND SEDIMENT CONTROL PLAN, AND ELSEWHERE AS APPROPRIATE. THESE BMP'S SHALL BE MAINTAINED UNTIL STABILIZATION OF DISTURBED AREAS IS COMPLETE.

OTHER POSSIBLY HELPFUL BMP'S: DIVERSION DIKE, STRAW BALE BARRIER, BRUSH BARRIER, SILT FENCE, VEGETATIVE STRIP, ROCK CHECK DAM.

13. SOIL STABILIZATION

TOPSOIL CONSERVATION: EXISTING TOPSOIL SHALL BE HARVESTED WHEN AN AREA IS TO BE DISTURBED, AND STOCKPILED ON SITE. TOPSOIL SHALL THEN BE SPREAD WHEN FINISH GRADE IS ACHIEVED IN ORDER TO ENCOURAGE REVEGETATION. AS AN ALTERNATIVE TO STOCKPILED SOIL, NEW TOPSOIL MAY BE IMPORTED POST CONSTRUCTION, PROVIDED ALL UNPAVED AREAS NOT OTHERWISE LANDSCAPED ARE TREATED FOR REVEGETATION.

MULCHING AND EROSION CONTROL MATS: ONCE DISTURBED LAND HAS BEEN WORKED TO FINISH GRADE, OR IS TO BE LEFT UNWORKED FOR MORE THAN 14 CALENDAR DAYS, THE LAND SHALL BE STABILIZED BY ONE OF THE FOLLOWING METHODS, TO BE DETERMINED AT A MINIMUM BY THE GRADE CONSTRAINTS LISTED. THE OWNER/OPERATOR MAY TO APPLY A MORE STRINGENT PROTECTION THAN REQUIRED BY THE GRADE, AS APPROPRIATE TO THE NEEDS OF THE SITE:

- GRADE LESS THAN 10%: TRACKING - LINES OF TRACS PERPENDICULAR TO FLOW DIRECTION
- GRADE BETWEEN 10% AND 3:1 (33%): TRACKING AND MULCHING - STRAW, HYDROSEED, OR OTHER
- GRADE STEEPER THAN 3:1 (33%): EROSION CONTROL MATS

FOR LOCATIONS WHERE SOIL AND/OR SLOPE CONDITIONS WILL MAKE IT DIFFICULT FOR VEGETATION TO REESTABLISH WITHIN SIX MONTHS, A BONDED FIBER MATRIX SHALL BE EMPLOYED TO SEED AND STABILIZE DISTURBED LAND.

PERMANENT NATIVE SEEDING: PLANT AREAS ADJACENT TO THE NEWLY CONSTRUCTED CURB AND GUTTER ALONG THE EDGES OF THE PARKING LOT AND ALONG EDVALSON STREET WITH NATIVE GRASS MIXTURE UPON COMPLETION OF GRADING ACTIVITIES AND PROVIDE TEMPORARY IRRIGATION TILL ESTABLISHED.

PERMANENT LANDSCAPING: LANDSCAPING SHALL BE IRRIGATED AND MAINTAINED BY CONTRACTOR UNTIL THE N.O.I. IS ACCEPTED AND OWNERSHIP IS TRANSFERRED TO THE PROPERTY OWNERS.

MAINTENANCE OF EXISTING VEGETATION: EXISTING AND NEW VEGETATION WILL BE MAINTAINED TO THE MAXIMUM EXTENT PRACTICABLE TO PREVENT THE CONTAMINATION OF STORM WATER WITH SEDIMENT. VEGETATED AREAS BEGINNING TO SHOW SIGNS OF EROSION OR SOIL TRANSPORT SHALL BE REPAIRED AND STABILIZED PER SECTION 13.2 - MULCHING AND EROSION CONTROL MATS.

SOIL COVERING: ALL SLOPES AS WELL AS DRAINAGE DITCHES, SWALES, AND EXPOSED FLAT SURFACES AS DEEMED NECESSARY BY THE EROSION AND SEDIMENT CONTROL LEAD SHALL BE COVERED PRIOR TO THE ONSET OF THE RAINY SEASON OR ANY ANTICIPATED STORM EVENT. THE PRIMARY STABILIZATION METHOD USED WILL BE COVERING SOILS WITH AN APPROVED MATTING AND/OR HYDROSEEDING. AREAS OF THE PROJECT, WHICH HAVE NOT BEEN PROPERLY STABILIZED BY VEGETATION BY THE ONSET OF THE WET SEASON, WILL BE COVERED WITH TRANSPARENT PLASTIC SHEETING BEFORE ANY ANTICIPATED STORM EVENT TO PREVENT SEDIMENT TRANSPORT. PLASTIC SHEETING WILL ALSO BE USED AS AN EMERGENCY BMP TO COVER PREVIOUSLY STABILIZED AREAS, WHICH BEGIN TO ERODE. LOOSE STRAW AND MULCH COVERS ARE NOT TO BE USED AS THEY MAY BE WASHED INTO DRAINAGE STRUCTURES.

STOCKPILE COVERING: ALL TEMPORARY SOIL STOCKPILES WILL BE BERMED AROUND OR COVERED WITH PLASTIC PRIOR TO ANTICIPATED RAINFALL. EVENTS. LONG-TERM STOCKPILES WILL BE COMPACTED AND HYDROSEEDED PRIOR TO THE ONSET OF WET WEATHER.

TEMPORARY SLOPE DRAINS: CONCENTRATED FLOWS AT TOPS OF SLOPES SHALL BE CONVEYED TO THE BOTTOM OF THE SLOPE VIA TEMPORARY SLOPE DRAINS, COMPRISED OF BERMED INLETS, FLEXIBLE PIPING, AND STABILIZED OUTLETS. IN SOME CASES UNSTABLE SLOPES WILL BE TEMPORARILY COVERED WITH PLASTIC TO PREVENT EROSION AND TO PROTECT WATER QUALITY. WHEN SOIL IS DISTURBED DOWNSTREAM OF THE SLOPE, THE SLOPE DRAINAGE MUST BE CONVEYED AROUND THE DISTURBED SOIL TO PREVENT EROSION BY PIPING DIRECTLY TO THE NEAREST DRAIN OR STABILIZED AREA.

OTHER POSSIBLY HELPFUL BMP'S: BENCHING, CHANNEL STABILIZATION, CULVERTS

14. SLOPE PROTECTION

GENERAL PRACTICES: CUT AND FILL SLOPES ON THIS PROJECT HAVE BEEN DESIGNED AND WILL BE CONSTRUCTED SO AS TO MINIMIZE EROSION. SOIL TYPES HAVE BEEN ANALYZED AND CONSIDERED FOR THEIR POTENTIAL TO ERODE. SLOPE RUNOFF VELOCITIES SHALL BE REDUCED BY TERRACING, CREATING DIVERSIONS, AND SURFACE CONTOURING. UNCONTAMINATED RUN-OFF WATER FROM OFF-SITE WILL BE INTERCEPTED AT THE TOP OF THE SLOPE AND DIVERTED AROUND THE ACTIVE CONSTRUCTION AREA. DOWN SLOPE FLOWS WILL BE CONTAINED IN PIPES, SLOPE DRAINS, AND/OR STABILIZED CHANNELS.

SUGGESTED BMP'S: SURFACE ROUGHENING, GRADIENT TERRACES, INTERCEPTOR DIKE AND SWALE, GRASS-LINED CHANNELS, PIPE SLOPE DRAIN, SUBSURFACE DRAINS, LEVEL SPREADER, CHECK DAMS.

15. DRAIN INLET PROTECTION

EXISTING STORM DRAINS: EXISTING STORM DRAIN INLETS WILL BE PROTECTED TO PREVENT STORM WATER FROM ENTERING WITHOUT FIRST BEING FILTERED AND TREATED TO REMOVE SEDIMENT. INLET PROTECTION MEASURES SHOWN ON EROSION AND SEDIMENT CONTROL PLAN ARE NOT NECESSARILY PRECISE AND COMPREHENSIVE, AND ARE INTENDED TO GUIDE THE CONTRACTOR HOW TO PROTECT INLETS.

NEWLY CONSTRUCTED STORM DRAINS: ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION WILL BE PROTECTED TO PREVENT STORM WATER FROM ENTERING WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENT. INLET PROTECTION WILL NEED TO BE MODIFIED THROUGHOUT THE COURSE OF CONSTRUCTION AS CONDITIONS AROUND THE INLET CHANGE, I.E. METHOD OF PROTECTION SHALL BE APPROPRIATE TO WHETHER OR NOT ADJACENT PAVEMENT IS IN PLACE. SEE DETAILS FOR SPECIFIC INSTRUCTION.

16. STORM WATER OUTLET PROTECTION

FILTER STRIP: TEMPORARY SEDIMENTATION POND OVERFLOWS SHALL DISCHARGE ACROSS EROSION CONTROL MAT OR RIP RAP, AND PERMANENT DETENTION BASINS SHALL DISCHARGE ACROSS RIP RAP, ALLOWING SEDIMENT AND OTHER CONTAMINANTS TO BE INTERCEPTED BEFORE REACHING RECEIVING WATERS, AND TO PROTECT DISCHARGE FROM EROSION.

OUTLET PROTECTION: ADEQUATE ENERGY DISSIPATION, EROSION CONTROL, AND SOIL STABILIZATION MEASURES (E.G., ROCK OR OTHER ENERGY DISSIPATION TECHNIQUES) WILL BE PROVIDED FOR ALL POINT SOURCE DISCHARGES OF STORM WATER, INCLUDING RUN-ON DISCHARGES AND OUTLETS FROM ON-SITE DISCHARGES.

17. SPILL PREVENTION AND RESPONSE

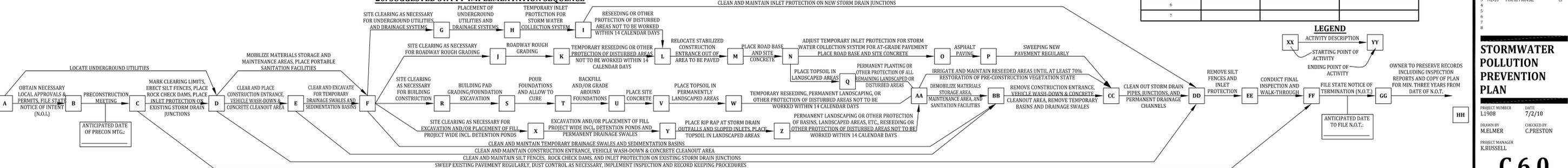
NON-SEDIMENT POLLUTANTS: NON-SEDIMENT POLLUTANTS THAT MAY BE PRESENT DURING CONSTRUCTION ACTIVITIES INCLUDE: PETROLEUM PRODUCTS INCLUDING FUEL, LUBRICANTS, HYDRAULIC FLUIDS, AND FORM OILS; POLYMER USED FOR SOIL STABILIZATION; WATER TREATMENT CHEMICALS (COAGULANT, ACID, SODIUM BICARBONATE); CONCRETE; PAINTS; FERTILIZERS; TRASH & LITTER; SANITARY WASTE.

THESE MATERIALS AND OTHER MATERIALS USED DURING CONSTRUCTION WITH THE POTENTIAL TO IMPACT STORM WATER, WILL BE STORED, MANAGED, USED, AND DISPOSED OF IN A MANNER THAT MINIMIZES THE POTENTIAL FOR RELEASES TO THE ENVIRONMENT AND ESPECIALLY INTO STORM WATER.

GENERAL MATERIALS HANDLING PRACTICES: HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH ALL APPLICABLE LAWS. HAZARDOUS MATERIALS SHALL BE KEPT OFFSITE, OR SHALL BE KEPT IN AN IMPERVIOUS CONTAINED AREA AND COVERED AS APPROPRIATE SO THAT SPILLS WILL NOT RUN OFF OR SEEP INTO THE GROUND. POTENTIAL POLLUTANTS WILL BE STORED AND USED IN A MANNER CONSISTENT WITH THE MANUFACTURER'S INSTRUCTIONS IN A SECURE LOCATION, TO THE EXTENT PRACTICABLE. MATERIAL STORAGE AREAS SHOULD NOT BE LOCATED NEAR STORM DRAIN INLETS AND SHOULD BE EQUIPPED WITH COVERS, ROOPS, OR SECONDARY CONTAINMENT AS NEEDED TO PREVENT STORM WATER FROM CONTACTING STORED MATERIALS. CHEMICALS THAT ARE NOT COMPATIBLE (SUCH AS SODIUM BICARBONATE AND HYDROCHLORIC ACID) SHALL BE STORED IN SEGREGATED AREAS SO THAT SPILLED MATERIALS CANNOT COMBINE AND REACT. MATERIALS DISPOSAL WILL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. MATERIALS NO LONGER REQUIRED FOR CONSTRUCTION WILL BE REMOVED FROM THE SITE AS SOON AS PRACTICABLE.

VEHICLES AND EQUIPMENT: FIX LEAKS OF FUEL, OIL, ETC. IMMEDIATELY. PERFORM REFUELING AND SERVICING OFF SITE WHENEVER POSSIBLE. FOR ON-SITE SERVICE OR REFUELING, PROVIDE AN IMPERVIOUS CONTAINED AREA SUCH THAT SPILLS WILL NOT RUN OFF TO THE STORM DRAINAGE SYSTEM OR SEEP INTO THE GROUND. CONDUCT MAINTENANCE UNDER COVER DURING WET WEATHER IF POSSIBLE. MATERIALS SPILLED DURING MAINTENANCE OPERATIONS WILL BE CLEANED UP IMMEDIATELY AND PROPERLY DISPOSED OF.

20. SUGGESTED SWPPP IMPLEMENTATION SEQUENCE



REVISION SCHEDULE table with columns: NUMBER, DATE, AUTHOR, COMPANY REPRESENTATIVE SIGNATURE. Rows 1-7.

LEGEND

Activity description legend: xx - ACTIVITY DESCRIPTION, yy - STARTING POINT OF ACTIVITY, zz - ENDING POINT OF ACTIVITY. Includes notes on owner responsibilities and record keeping.



LAYTON 1485 West Hillfield Rd. Suite 204. Phone: 801.547.1100. Fax: 801.593.6315

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WWW.ENSIGNUTAH.COM

FOR DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UT, 84114. CONTACT: LUCAS DAVIS PHONE: 801-538-3791 FAX: 801-538-3267

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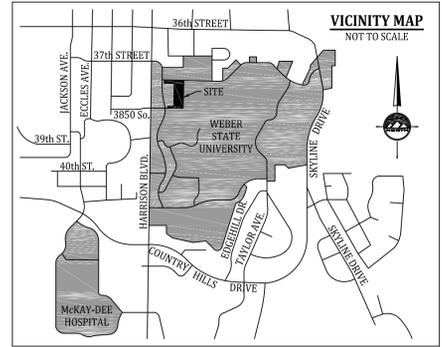
Revision table with columns: NO., DATE, REVISION, BY. Rows 1-8.

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NUMBER: 11908 DATE: 7/2/10 DRAWN BY: M.ELMER CHECKED BY: C.PRESTON PROJECT MANAGER: KRUSSELL

C 6.0

CALL BLUESTAKES
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EDVALSON STREET

TYLER AVE.

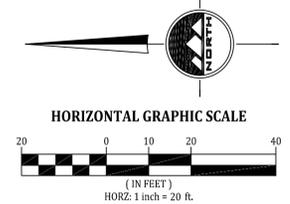
NEW OVERLAY AREA
65,984 sq.ft.

PROPOSED 2" OVERLAY
PER MANUFACTURERS SPECIFICATIONS

PROPOSED 2" OVERLAY
PER MANUFACTURERS SPECIFICATIONS

LEGEND

- ☆ EXISTING STREET LIGHT
- 🌳 EXISTING TREE
- ♿ HANDICAP PARKING STALL
- PROPERTY CORNER
- - - PROPOSED PARKING STRIPE
- ▨ EXISTING CONCRETE
- ▩ PROPOSED CONCRETE
- ▧ CATCHING CURB & GUTTER
- ▬ REVERSE PAN CURB & GUTTER
- ▭ ASPHALT TO BE GRINDED



LOCATED IN THE SOUTHWEST QUARTER
OF SECTION 3
TOWNSHIP 5 NORTH, RANGE 1 WEST
SALT LAKE BASE AND MERIDIAN
OGDEN CITY, WEBER COUNTY, UTAH

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3848 HARRISON BOULEVARD
OGDEN CITY, UTAH



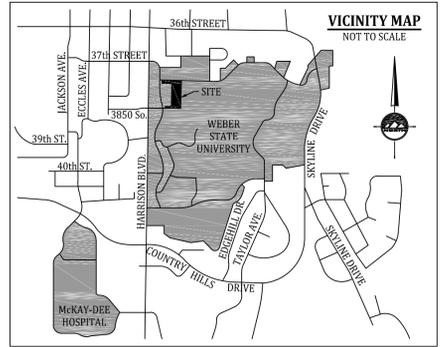
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4			
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PAVING OVERLAY PLAN

PROJECT NUMBER: 11908 DATE: 7/2/10
DRAWN BY: M.ELMER CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C-7.0

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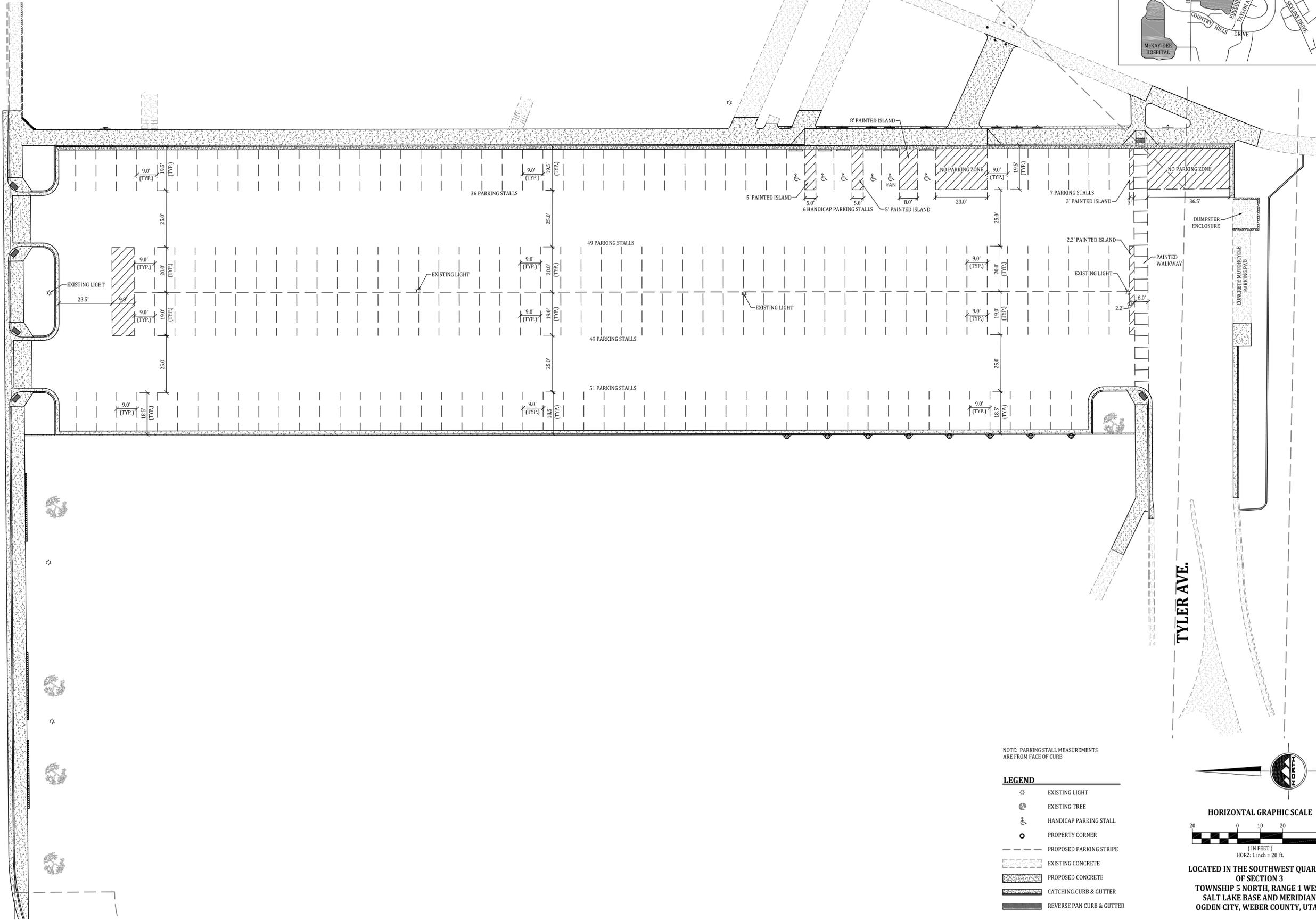
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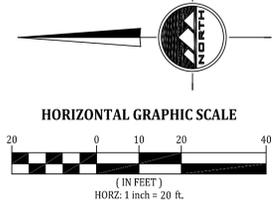
EDVALSON STREET

TYLER AVE.



NOTE: PARKING STALL MEASUREMENTS
ARE FROM FACE OF CURB

- LEGEND**
- ⊙ EXISTING LIGHT
 - 🌳 EXISTING TREE
 - ♿ HANDICAP PARKING STALL
 - PROPERTY CORNER
 - PROPOSED PARKING STRIPE
 - ▨ EXISTING CONCRETE
 - ▩ PROPOSED CONCRETE
 - ▧ CATCHING CURB & GUTTER
 - ▬ REVERSE PAN CURB & GUTTER



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4			
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6			
7			
8			

STRIPING PLAN

PROJECT NUMBER: 11908
DATE: 7/2/10
DRAWN BY: M.ELMER
CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C 8.0

GENERAL NOTES

1. ALL WORK TO CONFORM TO APWA STANDARD PLANS AND SPECIFICATIONS.
2. ALL EXISTING MANHOLES, WATER VALVES, CLEAN OUTS, ETC., SHALL BE ADJUSTED TO FINISH GRADE AND A CONCRETE COLLAR WILL BE INSTALLED AROUND SAID STRUCTURE.
3. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFORE SUBMITTING BID.
4. CONTRACTOR TO NOTIFY WEBER STATE UNIVERSITY/DFCM AND ENSIGN ENGINEERING 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRED FOR THIS PROJECT.
5. CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE WEBER STATE UNIVERSITY/DFCM REGULATIONS FOR WORKING IN THE PUBLIC WAY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL, ACCORDING TO GOVERNING AGENCY STANDARDS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF OR DAMAGE TO EXISTING UTILITIES.
9. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.
10. FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, AT ALL CHANGES IN DIRECTION, AND IN CURB AND SIDEWALK AT EQUAL INTERVALS NOT TO EXCEED 50 FEET. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH, WHICHEVER IS LESS. SCORING WILL BE PLACED TO PREVENT RANDOM CRACKING.
11. CONCRETE WATERWAYS, CURB WALLS, MOW STRIPS, CURB AND GUTTER, ETC., WILL TYPICALLY BE SCORED (1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED 10 FEET, AND HAVE FULL DEPTH EXPANSION JOINTS THAT EQUAL SPACING NOT TO EXCEED 50 FEET.
12. UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACED ON A MINIMUM 6" GRAVEL BASE OVER A WELL COMPACTED (95 % DENSITY) SUB GRADE.
13. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED, OR BROOMED, ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GREEN".
14. ALL JOINTS (CONTROL JOINTS, CONSTRUCTION JOINTS, EXPANSION JOINTS, ETC.), WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION).
15. SAW CUT EDGE OF EXISTING ASPHALT AT PROPOSED LIP OF GUTTER, IF POSSIBLE, TO ELIMINATE ASPHALT PATCH SECTIONS. SEE DETAILS ON C 3.0.
16. ALL EXISTING ASPHALT WILL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO PAVING TO MATCH.
17. EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.
18. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
19. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95 % OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D- 1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2 % ABOVE NOR 3 % BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUB GRADE AREAS WITHIN THE AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
20. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. CONTRACTORS MUST START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UPHILL.
21. ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
22. NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.
23. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
24. NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED.
25. THE CONTRACTOR SHALL PLACE TEMPORARY STREET ASPHALT SURFACES IF THE WORK IS ACCOMPLISHED AT A TIME WHEN PERMANENT ASPHALT SURFACING MATERIAL IS NOT AVAILABLE AT THE TIME PERMANENT ASPHALT BECOMES AVAILABLE, THE CONTRACTOR SHALL FURNISH AND PLACE ASPHALT PER APWA STANDARDS. THE CONTRACTOR SHALL GUARANTEE THE ASPHALT RESTORATION FOR PERIOD OF TWO YEARS FROM THE DATE OF COMPLETION.
26. CONTRACTOR TO LAYOUT AND POT HOLE FOR ALL POTENTIAL CONFLICTS WITH UTILITY LINES ON OR OFF SITE AS REQUIRED PRIOR TO ANY CONSTRUCTION, AND THE CONTRACTOR WILL VERIFY DEPTHS OF UTILITIES IN THE FIELD BY POT HOLING A MINIMUM OF 300 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO POT HOLE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER OR ENGINEER.
27. CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW PIPE DURING CONSTRUCTION.
28. HANDICAP ACCESSIBILITY: ALL CONSTRUCTION SHALL MEET THE ADA HANDICAP ACCESSIBILITY REQUIREMENTS. FOR ANY DISCREPANCIES BETWEEN THE PLANS AND ADA REQUIREMENTS, ADA REQUIREMENTS WILL GOVERN.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND / OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

TRAFFIC CONTROL AND SAFETY NOTES

1. BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT MANUAL IF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM WEBER STATE UNIVERSITY, EXCEPT WHEN DIRECTED BY LAW ENFORCEMENT OR FIRE OFFICIALS.
3. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL PROPERTIES ADJACENT TO THE WORK.
4. DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, REQUIRE THE INSTALLATION OF TEMPORARY STREET STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO WEBER STATE UNIVERSITY FOR REVIEW AND APPROVAL.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE WORK TO THE SATISFACTION OF WEBER STATE UNIVERSITY.
6. TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL TIMES.



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OGDEN CITY, UTAH**



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**GENERAL NOTES
DETAILS &
SPECIFICATIONS**

PROJECT NUMBER: 11908 DATE: 7/2/10
DRAWN BY: M.ELMER CHECKED BY: C.PRESTON
PROJECT MANAGER: K.RUSSELL

C 9.0



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NOTE

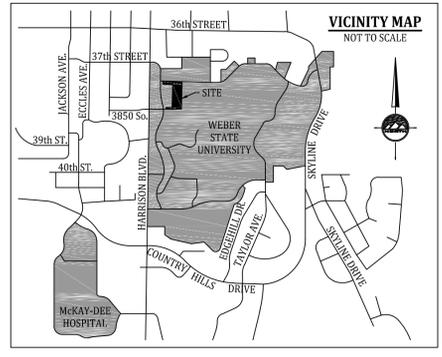
1. ALL WORK SHALL COMPLY WITH CURRENT APWA PLANS AND SPECIFICATIONS.
2. SAW CUT EDGE OF EXISTING ASPHALT AND INSTALL ASPHALT PATCH TO NEW LIP OF CURB AND GUTTER.

NOTICE TO CONTRACTOR

The intent of the installation of curb and gutter along EDVALSON STREET is to match the existing asphalt paving such that proper drainage of both the existing and proposed asphalt into the proposed curb and gutter is accomplished. It is the RESPONSIBILITY OF THE CONTRACTOR to verify that drainage into the proposed curb and gutter of all run-off water from the street is accomplished prior to the placement of any concrete. Notice to Ensign Engineering of variations from the design drawings is required prior to any placement of the proposed curb and gutter.

LEGEND

- | | | | |
|---|----------------------------------|--------|----------------------------------|
| ○ | EXISTING REBAR AND CAP | □ | EXISTING ELECTRICAL BOX |
| ○ | SET ENSIGN REBAR AND CAP | ☆ | EXISTING LIGHT |
| ⊗ | EXISTING WATER VALVE | ⊗ | EXISTING TREE |
| ⊗ | EXISTING FIRE HYDRANT | — | TOP OF WALL |
| ⊗ | EXISTING WATER MANHOLE | — | TOP OF CONCRETE / BOTTOM OF WALL |
| ⊗ | EXISTING SANITARY SEWER MANHOLE | XXXXXX | PROPOSED TBC ELEVATION |
| ⊗ | EXISTING STORM DRAIN CLEAN OUT | --- | EXISTING EDGE OF ASPHALT |
| ⊗ | EXISTING STORM DRAIN CATCH BASIN | --- | PROPOSED EDGE OF ASPHALT |
| ⊗ | PROPOSED STORM DRAIN CATCH BASIN | ▨ | EXISTING CONCRETE |
| ⊗ | EXISTING IRRIGATION BOX | ▨ | PROPOSED CONCRETE |
| ⊗ | EXISTING SIGN | ▨ | PROPOSED NEW ASPHALT |



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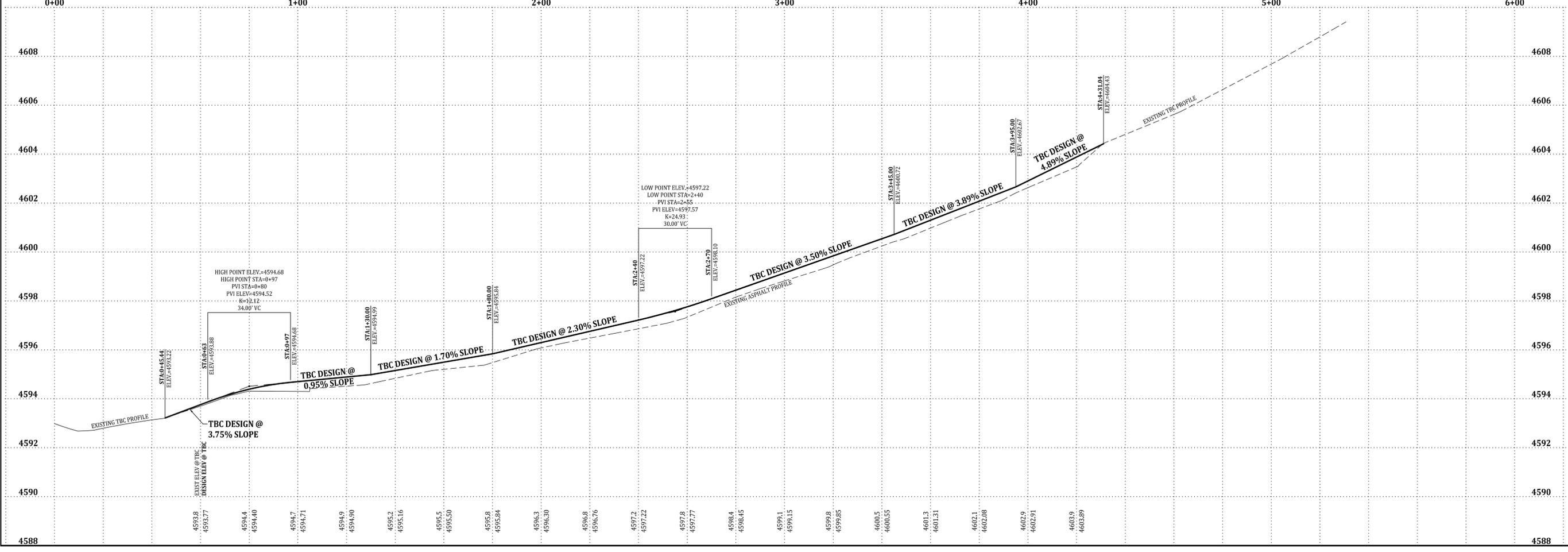
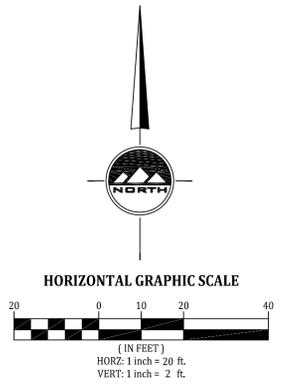
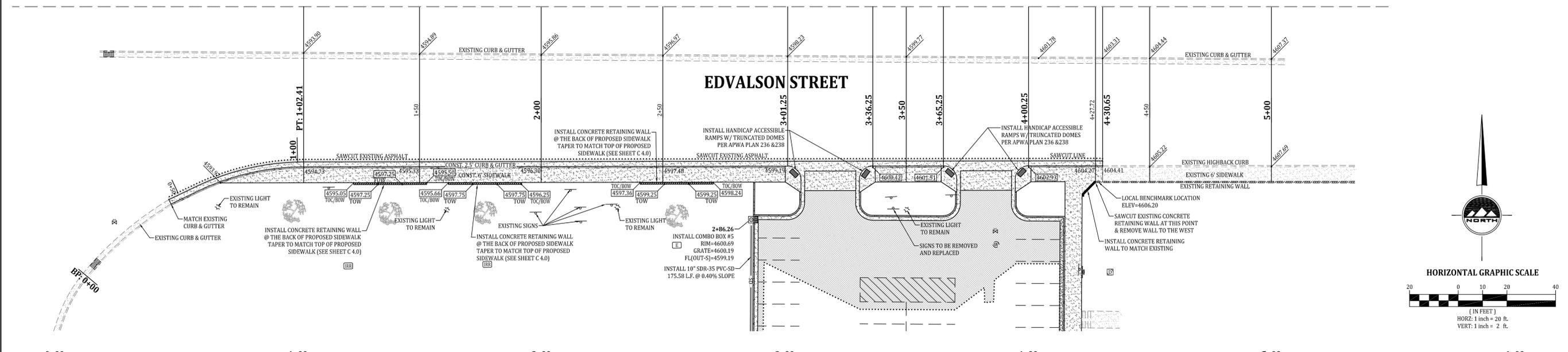
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EDVALSON STREET PLAN & PROFILE

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NO. DATE REVISION BY

1	6-18-10	FOR REVIEW	MCE
2	6-29-10	FOR REVIEW	MCE
3	7-2-10	FOR APPROVAL	CF
4			
5			
6			
7			
8			

PROJECT NUMBER: 11908 DATE: 7/2/10

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PROJECT MANAGER: K.RUSSELL