WEBER STATE UNIVERSITY
STEWART STADIUM TRACK RENOVATION
OGDEN, UTAH
UTAH STATE DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT - DFCM PROJECT NO. 10282810
CONSTRUCTION DOCUMENTS
03 FEBRUARY 2011

ABBREVIATIONS

AC	Air Conditioning	EIFS	Exterior Insulation, & Finish System	OC	On Center
AFF	Above Finish Floor			OPP	Opposite
ALT	Alternate	FT	Feet	OD	Outside Diameter
APPROX	Approximate	FLR	Floor	OA	Overall
ARCH	Architect	FIN FLR	Finish Floor	OH DR	Overhead Door
BD	Board	FE	Fire Extinguisher	PR	Pair
BRG	Bearing	FIN	Finish	PERP	Perpendicular
BLKG	Blocking	FD	Floor Drain	PLAM	Plastic Laminate
BLDG	Building	FR	Frame	PL GL	Plate Glass
BOT	Bottom	FTG	Footing	PLBG	Plumbing
CLG	Ceiling	FDTN	Foundation	PREFAB	Prefabricate
CL	CenterLine	GA	Gage	PL	Property Line
CO	Cleanout	GALV	Galvanize	REFR	Refrigeration
CONC	Concrete	GI	Galvanized Iron	REINF	Reinforce
CONF	Conference	GLU-LAM	Glue Laminated	REQD	Required
CONSTR	Construction	GYP BD	Gypsum Board	RD	Roof Drain
CONT	Continue	HDW	Hardware	SCHED	Schedule
CONTR	Contractor	HC	Handicap	SIM	Similar
CJ	Control Joint	HVAC	Heating Ventilation & Air Conditioning	SPEC	Specification
COORD	Coordinate			SQ	Square
CORR	Corridor	HORIZ	Horizontal	STD	Standard
CSK	Countersunk	HM	Hollow Metal	STRUCT	Structural
COMM	Communication	ID	Inside Diameter	SUSP CLG	Suspended Ceiling
CIP	Cast in Place	INT	Interior	THK	Thick
CMU	Concrete Masonry Unit	ISO	Isometric	T&G	Tongue and Groove
		JAN	Janitor	TO	Top Of
DEM0	Demolition	KOP	Knockout Panel	TOB	Top of Beam
DIAG	Diagonal	KD	Knock Down	TOS	Top of Slab
DIA	Diameter	LAB	Laboratory	TOW	Top of PARTITION
DIM	Dimension	LAV	Lavatory	XFMR	Transformer
DN	Down	MAINT	Maintenance	TYP	Typical
DS	Downspout	MH	Manhole	UNO	Unless Noted
DWG	Drawing	MFR	Manufacturer		Otherwise
ELEC	Electric	MO	Masonry Opening	VTR	Vent Through Roof
EL	Elevation	MAX	Maximum	VERT	Vertical
ELEV	Elevator	MECH	Mechanical	VEST	Vestibule
EQ	Equal	MEZZ	Mezzanine	VCT	Vinyl Composition Tile
EQUIP	Equipment	MIN	Minimum	WC	Water Closet
EXIST	Existing	MISC	Miscellaneous	WH	Water Heater
EXP	Expansion	NOM	Nominal	WWF	Welded Wire Fabric
EJ	Expansion Joint	NIC	Not In Contract	W/	With
EXT	Exterior	NO	Number		
EWC	Electric Water Cooler	NTS	Not to Scale		

GENERAL SYMBOLS
SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS

- AE302 — SHEET NUMBER; Sheet Number Sequence; Sheet Type; Discipline
- 1 / A — GRID REFERENCE MARK; A1 Starts at lower left corner; Number Horizontal; Letters Vertical
- B2 / AE303 — BUILDING SECTION; SHEET WHERE DRAWN
- T.O. DECK EL. 108'-0" — SPOT ELEVATION
- B3 / AE301 — WALL SECTION; SHEET WHERE DRAWN
- LEVEL 1 EL. 100'-0" — VERTICAL ELEVATION
- D2 / AE501 — DETAIL; SHEET WHERE DRAWN
- N TRUE NORTH — NORTH ARROW
- B2 / AE303 — EXTERIOR ELEVATION; SHEET WHERE DRAWN
- 4 / A1 / AE401 / 2 — INTERIOR ELEVATION; SHEET WHERE DRAWN
- 1 — DRAWING REVISION; Revision Number
- 101A — DOOR NUMBER
- OFFICE 101 — ROOM NAME; ROOM NUMBER
- 10 — WINDOW NUMBER
- 1 — KEYED NOTES
- 8 — PARTITION TYPE

MATERIALS

EARTH, BRICK, GYPSUM BOARD, GRAVEL, STONE, EIFS, CONCRETE, PRE-CAST CONCRETE, BATT INSULATION, CMU, WOOD & BLOCKING, RIGID INSULATION

APPLICABLE CODES

	Year		
International Building Code	2009	ADA Accessibility	1994
American National Standard ICC/ANSI A117.1	2003	Guidelines	

A. Occupancy and Group A5

Change in Use: Yes ____ No X Mixed Occupancy: Yes ____ No X

B. Seismic Design Category: _.__ Design Wind Speed: __.__ mph

C. Type of Construction (circle one):

I/A I/B II/A (II/B) III/A III/B IV/HT V/A V/B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: _____
Nonseparated Uses: _____

F: Sprinklers:

Required: NO Provided: ____ Type of Sprinkler System: _____

Number of Stories: ____ Building Height: _____

H: Actual Area per Floor (square feet): _____

Tabular Area: _____

J: Area Modifications:

d) Unlimited Area Building: Yes X No ____ Code Section: Table 503

K. Fire Resistance Rating Requirements for Building Elements (hours).

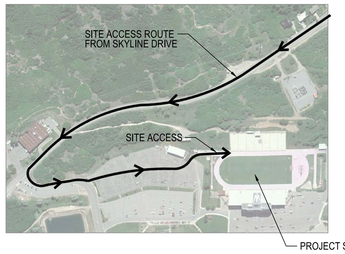
Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows		
Structural Frame	0		Shaft Enclosures		
Partitions - Permanent	0		Fire Walls		
Fire Barriers	0		Fire Partitions (Corr.)		
			Smoke Partitions		

L. Design Occupant Load: * = NO CHANGE IN OCC. LOAD OR EXIT WIDTH.
Exit Width Required: ____ Exit Width Provided: ____

M. Minimum Number of Required Plumbing Facilities * : NUMBER OF EXIST. FIXTURES TO REMAIN THE SAME
a) Water Closets - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
b) Lavatories - Required (m) ____ (f) ____ Provided (m) ____ (f) ____
c) Bath Tubs or Showers: ____
d) Drinking Fountains: ____ Service Sinks: ____

FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) Performance Based Criteria.
   b) Means or Egress Analysis.
   c) Fire Assembly Locator Sheet.
   d) Exterior and Interior Accessibility Route.
   e) Fire Stopping, Including Tested Design Number.
3) Renovation work is necessitated by total building hazardous materials abatement (covered in Bid Package No. 1), and partial accessibility upgrade. Only those areas affected by the abatement are being remodeled.
4) To the best of our knowledge, these plans meet the DFCM standards.

VICINITY MAP



INDEX TO DRAWINGS - CONSTRUCTION DOCUMENTS

GENERAL
GI001 COVER SHEET

CIVIL
CD101 DEMOLITION PLAN
CD102 DEMOLITION PLAN
CS101 SITE PLAN
CS102 SITE PLAN
CG101 GRADING AND DRAINAGE PLAN

CD501 DETAIL SHEET

SITE
AS501 TRACK DETAILS

SPECIAL INSPECTION AND TESTING UNDER THE PROVISIONS OF 2009 IBC Section 1704 AND FOR MISCELLANEOUS AREAS

Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer and owner:

CONCRETE CONSTRUCTION (IBC 1704.4)

Item			Detailed Instructions and Frequencies
Materials (1704.4.1)	☐ Continuous	X Periodic	
Steel placement	☐ Continuous	X Periodic	
Steel welding	☐ Continuous	☐ Periodic	
Bolts prior & during placement	☐ Continuous	☐ Periodic	
Use of required design mix	☐ Continuous	X Periodic	
Concrete sampling for strength test, slump, air content, and temperature of concrete	☐ Continuous	X Periodic	
Concrete & shotcrete placement	☐ Continuous	☐ Periodic	
Curing temperature and techniques	☐ Continuous	☐ Periodic	
Pre-stressed concrete	☐ Continuous	☐ Periodic	
Pre-cast concrete	☐ Continuous	☐ Periodic	
Posttensioned concrete	☐ Continuous	☐ Periodic	
Form work	☐ Continuous	☐ Periodic	

SOILS CONSTRUCTION (IBC 1704.7)

Item			Detailed Instructions and Frequencies
Site preparation	☐ Continuous	☐ Periodic	
Structural fill material	☐ Continuous	☐ Periodic	
Structural fill lift thickness	☐ Continuous	☐ Periodic	
Structural fill soil densities	☐ Continuous	☐ Periodic	
Backfill soils materials	☐ Continuous	X Periodic	Per the approved soils report.
Backfill soil densities	☐ Continuous	X Periodic	Per the approved soils report.

MISCELLANEOUS AREAS
These inspections are recommended by the Architect/Engineer and approved by DFCM.

			Detailed Instructions and Frequencies
Suspended Ceiling Grid Clips	☐ Continuous	☐ Periodic	
Suspended Ceiling wire spacing (Seismic)	☐ Continuous	☐ Periodic	
Soils backfill (specify locations and frequency)	☐ Continuous	X Periodic	
Soils for curb and gutter (specify locations and frequency)	☐ Continuous	X Periodic	
Soils for parking lots (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for utility trench backfill	☐ Continuous	☐ Periodic	
Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Reinforcement for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Masonry Veneer (specify locations and frequency)	☐ Continuous	☐ Periodic	
Asphalt inspection (specify locations and frequency)	☐ Continuous	X Periodic	
Asphalt testing (specify locations and frequency)	☐ Continuous	X Periodic	
Inspection of seismic resistance (specify locations and frequency)	☐ Continuous	☐ Periodic	
Seismic and water line welding (specify locations and frequency)	☐ Continuous	☐ Periodic	
Seismic supports for duct work and sealing of joints for duct work	☐ Continuous	☐ Periodic	
Seismic supports for electrical raceways, cable trays and lights	☐ Continuous	☐ Periodic	
Seismic supports for plumbing lines including gas, water and steam and condensation	☐ Continuous	☐ Periodic	
Seismic bracing for mechanical units both on slab and suspended	☐ Continuous	☐ Periodic	

Special Inspectors Shall:
- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2

Updated July 29, 2010

Page 1 of 2 Page 2 of 2

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SEAL

MHTN PROJECT NO. 2010576
DRAWN BY: JZ CHECKED BY: RB

ISSUED:

NO.	DATE	DESCRIPTION
01	03 FEB. 2011	CONSTRUCTION DOCUMENTS

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COVER SHEET

CONSTRUCTION DOCUMENTS
03 FEBRUARY 2011

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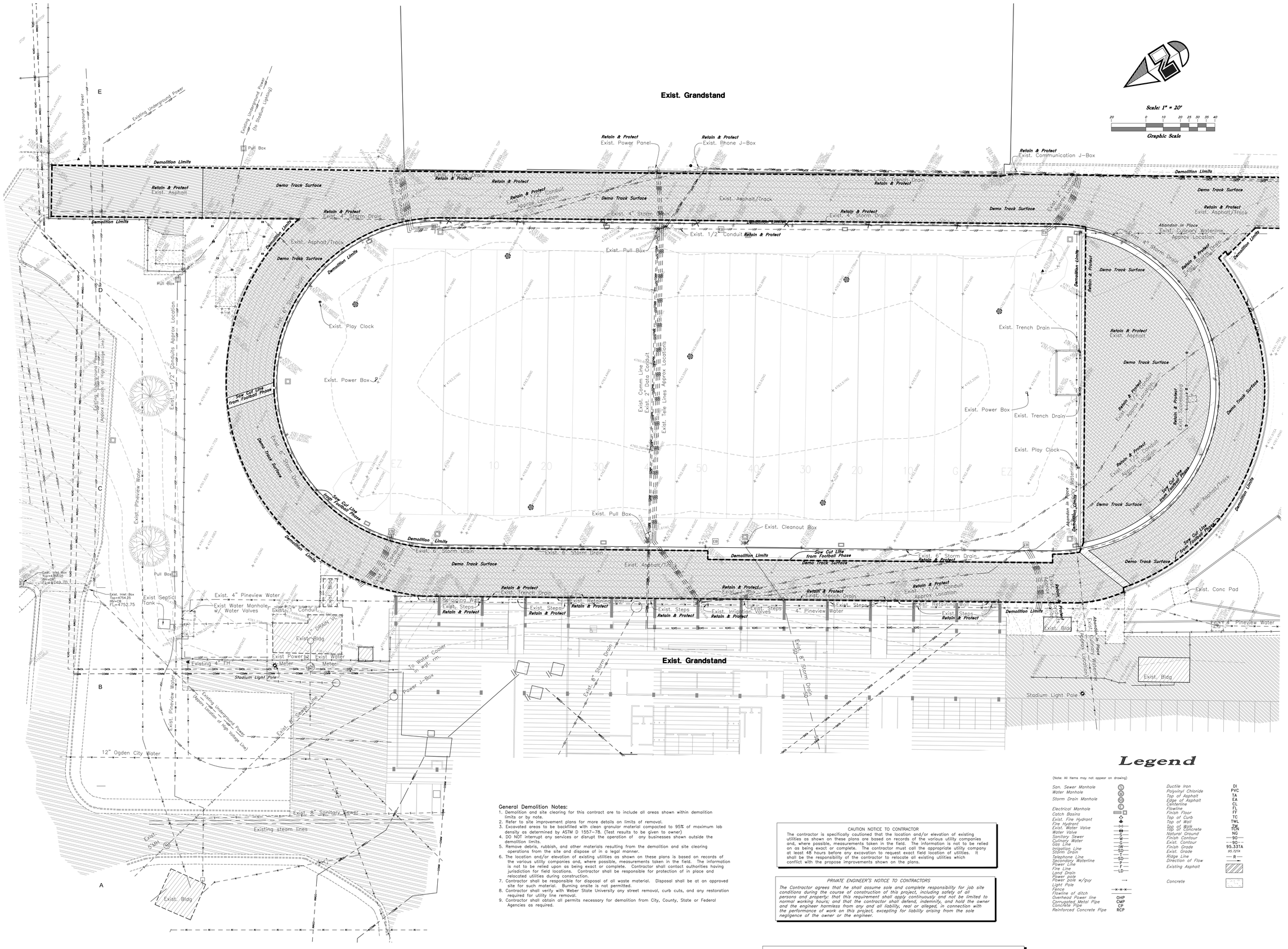
GI001



General Demolition Notes:

1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
2. Refer to site improvement plans for more details on limits of removal.
3. Excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-78. (Test results to be given to owner)
4. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
5. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
6. The location and/or elevation 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 upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
7. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
8. Contractor shall verify with Weber State University any street removal, curb cuts, and any restoration required for utility line removal.
9. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.

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Legend

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Water Manhole	W	Polyvinyl Chloride	PVC
Storm Drain Manhole	S D	Top of Asphalt	TA
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Catch Basins		Flowline	FL
Exist. Fire Hydrant		Finish Floor	FF
Fire Hydrant		Top of Curb	TC
Exist. Water Valve	—⋈—	Top of Wall	TWL
Water Valve		Top of Walk	TW
Sanitary Sewer	—S—	Top of Concrete	TCN
Culinary Water	—W—	Natural Ground	NG
Gas Line	—G—	Finish Contour	—90—
Irrigation Line	—IW—	Exist. Contour	—90—
Storm Drain	—SD—	Finish Grade	95.33TA
Telephone Line	—T—	Exist. Grade	95.72TA
Secondary Waterline	—SD—	Ridge Line	—R—
Power Line	—P—	Direction of Flow	→
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Power pole			
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DEMOLITION PLAN

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3 FEBRUARY 2011

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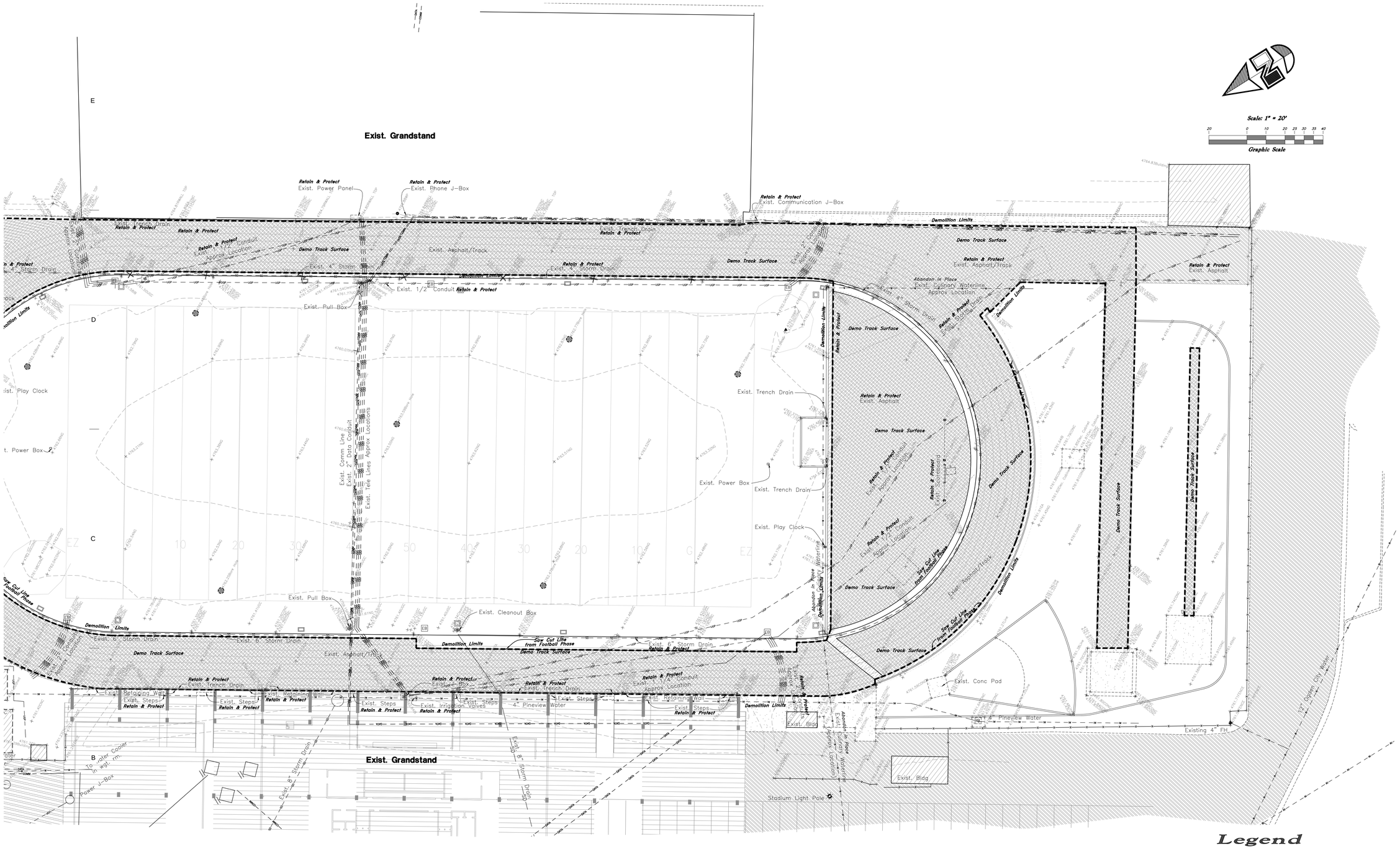
CD101



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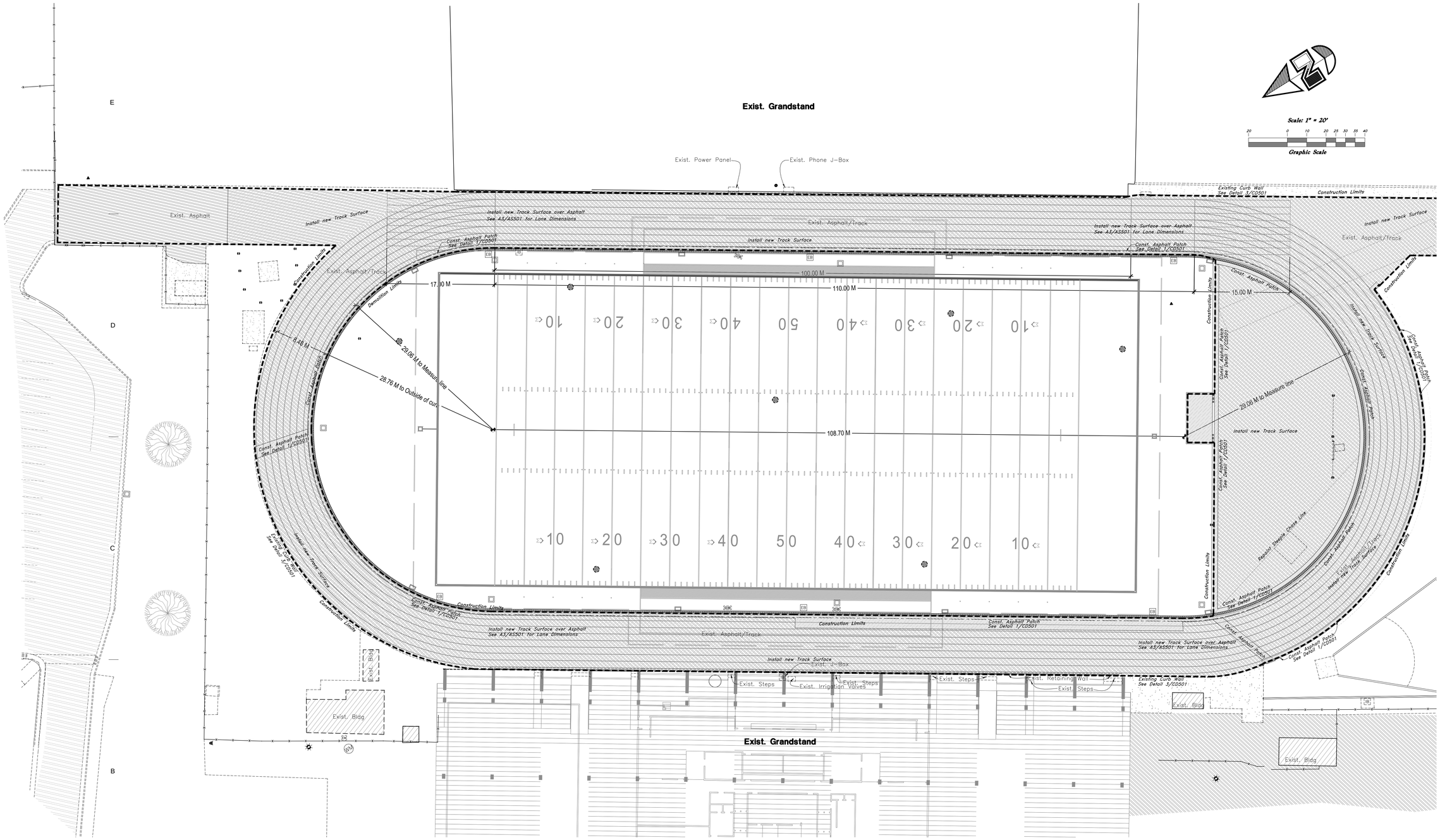

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3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
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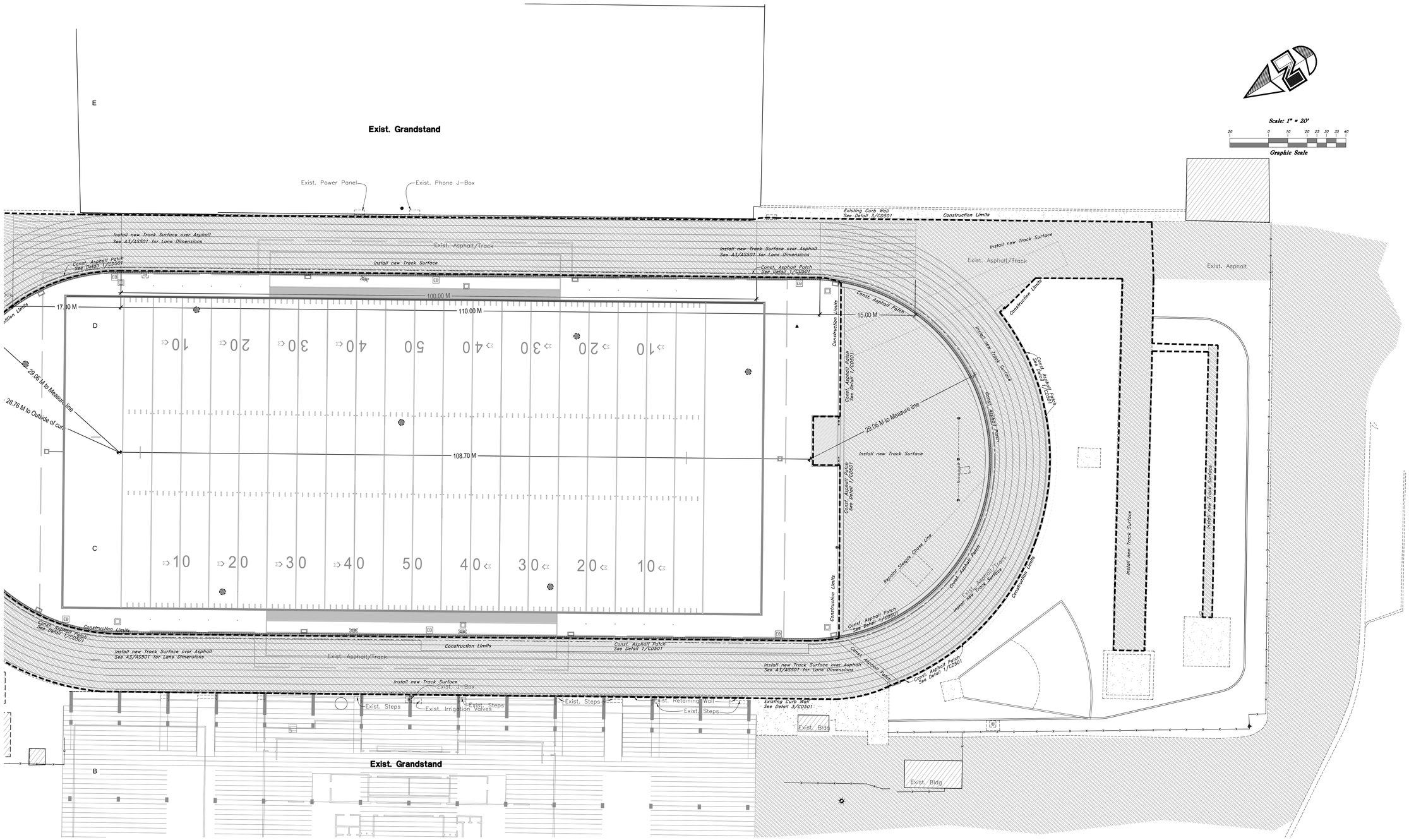

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Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	S	Ductile Iron	DI
Water Manhole	W	Polyvinyl Chloride	PVC
Storm Drain Manhole	S D	Top of Asphalt	TA
		Edge of Asphalt	EA
Electrical Manhole	E	Centerline	CL
Catch Basins		Flowline	FL
Exist. Fire Hydrant		Finish Floor	FF
Fire Hydrant		Top of Curb	TC
Exist. Water Valve	WV	Top of Wall	TWL
Water Valve	WV	Top of Walk	TW
Sanitary Sewer	S	Top of Concrete	TCN
Culinary Water	W	Natural Ground	NG
Gas Line	G	Finish Contour	90
Irrigation Line	IW	Exist. Contour	90
Storm Drain	SD	Finish Grade	95.33TA
Telephone Line	T	Exist. Grade	95.72TA
Secondary Waterline	SD	Ridge Line	R
Power Line	P	Direction of Flow	
Fire Line	F	Existing Asphalt	
Land Drain	LD		
Power pole			
Power pole w/guy		Concrete	
Light Pole			
Fence			
Flowline of ditch			
Overhead Power line	OHP		
Corrugated Metal Pipe	CMP		
Concrete Pipe	CP		
Reinforced Concrete Pipe	RCP		

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WEBER STATE UNIVERSITY
STEWART STADIUM TRACK RENOVATION

DFCM PROJECT NUMBER: 10280810

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408

SEAL

MHTN PROJECT NO. 2010576

DRAWN BY: TK CHECKED BY: MEB

ISSUED:

NO.	DATE	DESCRIPTION

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

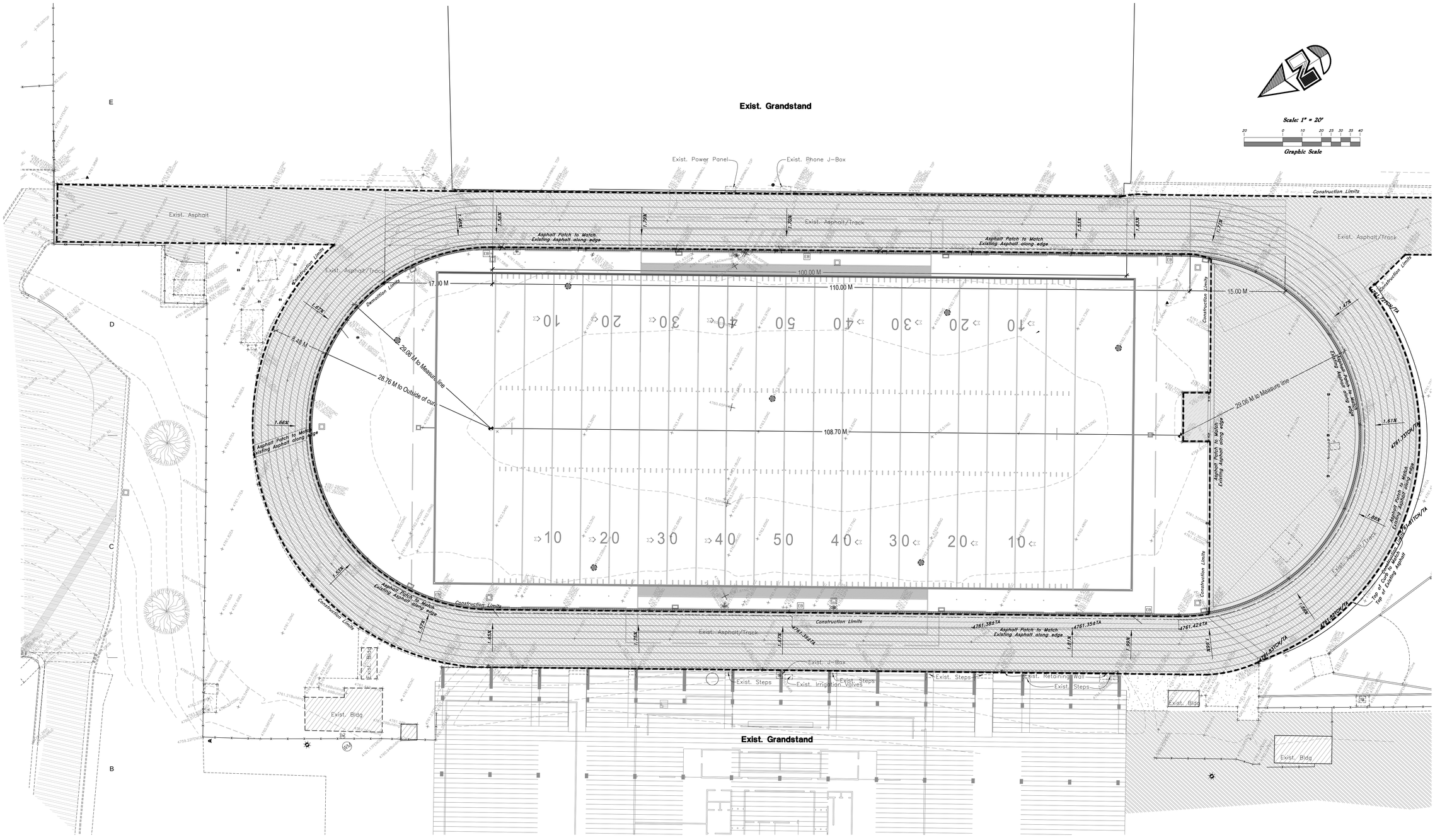
SHEET NAME

SITE PLAN

CONSTRUCTION DOCUMENTS
3 FEBRUARY 2011

SHEET NUMBER

CS102



General Grading Notes:

1. All work shall be in accordance with the City Public Works Standard.
2. Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
3. Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
5. Areas to receive fill shall be properly prepared and approved by the City inspector and geotechnical Engineer prior to placing fill.
6. Fills shall be benched into competent material as per specifications and geotechnical report.
7. All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
9. The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
10. Dust shall be controlled by watering.
11. The location and protection of all utilities is the responsibility of the permitee.
12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
17. Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
18. The recommendations in the following Geotechnical Engineering Report by xxxx are included in the requirements of grading and site preparation.
    The report is titled "GEOTECHNICAL INVESTIGATION "
    Job No.: Address
    Dated:
19 As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
20. Erosion Control: Protect all inlet boxes, catch basins, etc. with straw bales or other approved method to strain the strom water during construction. Protect surrounding properties and streets from site runoff with sandbags and earth berms.

Curb and Gutter Construction Notes:

1. Open face gutter shall be constructed where drainage is directed away from curb.
2. Open face gutter locations are indicated by shading and notes on site and grading plan.
3. It is the responsibility of the surveyor to adjust top of curb grades at the time construction staking.
4. Refer to the typical details for a standard and open face curb and gutter for dimensions.
5. Transitions between open face and standard curb and gutter are to be smooth. Hand form these areas if necessary.

ADA Notes:

Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20). The cross slope for Accessible routs must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36". If grades on plans do not meet this requirement notify Consultants immediately.

The Client, Contractor, and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of the ADA and/or FHAA.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

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ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

Legend

(Note: All Items may not appear on drawing)

San. Sewer Manhole	S	Ductile Iron	DI
Water Manhole	W	Polyvinyl Chloride	PVC
Storm Drain Manhole	D	Top of Asphalt	TA
		Edge of Asphalt	EA
Electrical Manhole	E	Centerline	CL
Catch Basins		Flowline	FL
Exist. Fire Hydrant		Finish Floor	FF
Fire Hydrant		Top of Curb	TC
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Power Line	P	Direction of Flow	
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DFCM PROJECT NUMBER: 10280810

WEBER STATE UNIVERSITY
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SEAL

MHTN PROJECT NO. 2010576

DRAWN BY: TK CHECKED BY: MEB

ISSUED:

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NO.	DATE	DESCRIPTION

SHEET NAME

GRADING & DRAINAGE PLAN

CONSTRUCTION DOCUMENTS
3 FEBRUARY 2011

SHEET NUMBER

CG101

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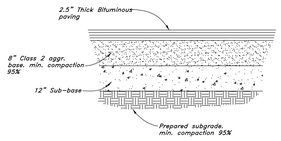

1 **Typical Bituminous Pavement Section**
Light Traffic Areas

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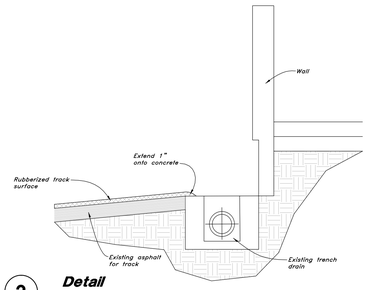

2 **Detail**

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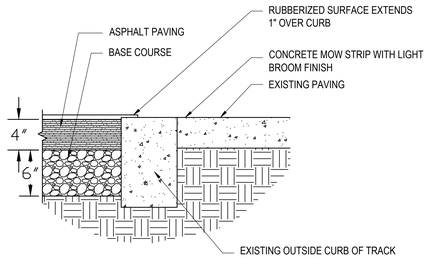

3 EXISTING OUTSIDE TRACK CURB

Not to Scale

#

Not to Scale

#

Not to Scale

#

Not to Scale

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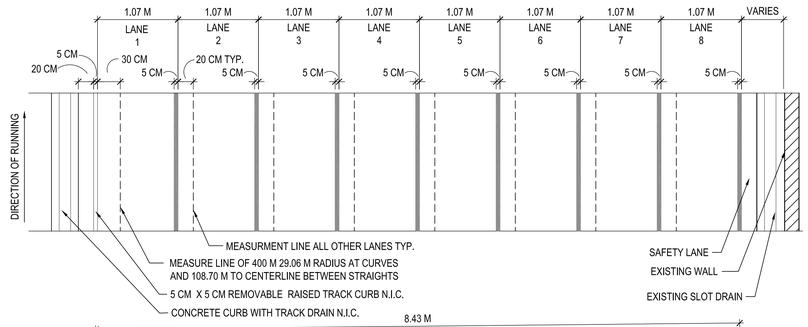
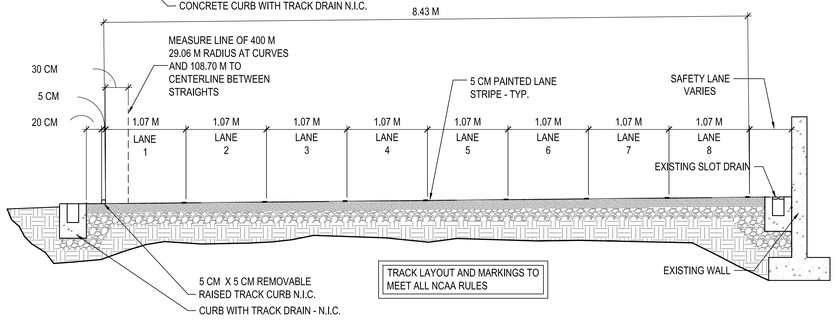
CONSTRUCTION DOCUMENTS
3 FEBRUARY 2011

SHEET NUMBER

CD501

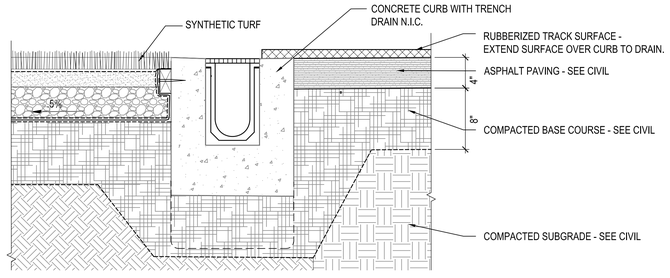




A1 TRACK SECTION

3/16=1" #####

A-DTSI-001



A4 INSIDE TRACK TRENCH DRAIN

1 1/2" = 1'-0"

A-DTXX00

A-DTXX00

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MHTN PROJECT NO. 2010576

DRAWN BY: JZ CHECKED BY: RB

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NO.	DATE	DESCRIPTION
01	03 FEB. 2011	CONSTRUCTION DOCUMENTS

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NO.	DATE	DESCRIPTION

SHEET NAME

TRACK DETAILS

CONSTRUCTION DOCUMENTS
03 FEBRUARY 2011

SHEET NUMBER

AS501