CHECKLIST FOR INDUSTRY TRACK SUBMITTALS

Item	Description of Items to be Shown on Submittals	☐ = Required ■ = Not Required								Railroad Comments
		10% Plans	UP ✓	30% Plans	UP ✓	Complete Plans	UP ✓	Exhibit 'A'	UP ✓	
1	Existing turnouts (within 1500' of proposed turnouts) - size (No 11, No 15, etc), stationing, and mile post location (UP Track)									
2	Proposed turnouts - size (No 11, No 15, etc), stationing, and mile post location (UP Track)									
3	Proposed tracks - labeled Track A, Track B, etc., total length, stationing of the 13' clearance point, derail stationing (describe type), stationing at point track CL crosses UP R/W and end of track stationing (show type of EOT device)									
4	Proposed tracks - degree of curve and stationing of PC and PT on all curves									
5	Existing tracks - UP's track number and any proposed sale or lease of UP owned track(s) (or portion of)									
6	Existing tracks - exact stationing of Insulated Joints within 500' of proposed turnouts	■						■		
7	All tracks - total length, stationing of 13' clearance point, derail stationing (describe type), end of track stationing (describe type of EOT device), and center to center distance between all tracks	■								
8	Weight of Rail (all turnouts and all tracks)	■		■				■		
9	Existing UP signal lines, masts, houses, and cases, etc.; include dimensions and stationing	■						■		
10	UP R/W width and distance to track it's established from									
11	All track culverts - stationing, mile post location (UP Track), length, size, type, T/R to Invert distance, and any proposed modifications of an existing culvert (also see Item 16)	■		■						
12	All track bridges - stationing, mile post location (UP Track), length, type, T/R to flowline distance, and any proposed modifications of an existing bridge (also see Item 16)	■		■						
13	All other drainage structures (under roads, surface drains, etc.) - location, size, length and type	■		■				■		
14	Proposed drainage structures - submit hydraulic design calculations for review and approval	■		■				■		
15	Direction of runoff throughout project area	■		■				■		
16	Submit detailed plans for any proposed bridge or culvert (or modification of an existing) or any proposed under or over track structure to UP Structures Dept for approval	■		■				■		
17	Existing road crossings (within 1500' of proposed turnouts) - length, type (public/private), material type, type of warning device, stationing, and mile post location (UP Track)									
18	Proposed road crossings - include length, type (public/private), material type, type of warning device, stationing, and mile post location (UP Track)									
19	All Roads or road modifications affecting traffic crossing UP tracks - location, width and type of roadway surface							■		
20	Existing buildings adjacent to any track - location, dimensions, doors, docks, ramps etc. and distance to track CL									
21	Proposed buildings adjacent to any track - location, dimensions, doors, docks, ramps etc. and distance to track CL									
22	All overhead crossings - stationing (include poles, supports, etc), distance above T/R, voltage (if electrical), and owner	■		■				■		
23	All underground crossings - stationing, distance below B/R, type, encasement details, and owner	■		■				■		
24	All utilities adjacent to any track (above or below ground) - location (include poles if applicable), type, distance to track CL, and owner	■		■				■		
25	All under track structures - include stationing and size (also see Item 16)	■		■						
26	All over track loading structures - include size, stationing, and clearances (also see item 16)	■		■						
27	All car pulling or indexing devices - stationing and clearance	■		■						
28	All fences - stationing of any gate crossing any track and horizontal clearance with gate open	■		■						
29	Track grounding details of any track used to load or unload flammable materials	■		■				■		
30	Stationing and distance to any horizontal or vertical impaired clearance	■		■						
31	Existing track profile - T/R profile (100' maximum interval) 200' each direction from proposed turnout(s)	■						■		
32	Proposed track profile - T/R profile of each track at 100' maximum interval, include stationing of vertical curve points	■		■				■		
33	All other profiles - Top of Road at centerline (including railroad at grade crossings) and/or drainage ditch(es) - proposed and existing elevations	■		■				■		
34	Description of point that track stationing was established from and location of elevation bench mark	■						■		
35	Typical cross-sections showing proposed track section, any side ditches, and walkway detail	■		■						
36	Turnout construction pad - location and dimensions	■		■				■		
37	Drawings - Proper scale, sheet size and UP border, UP standard lines and abbreviations, North arrow, main track name, Timetable direction and Timetable Station each side of project, customer's name, the city, county and state location of project									
38	Proposed transportation operating plan									
39	Include Scope of Work showing work to be performed by UP and Industry									
40	Provide a Construction schedule	■						■		
41	"CHECKLIST FOR INDUSTRY TRACK SUBMITTALS" completed and signed									

Name of Industry _____

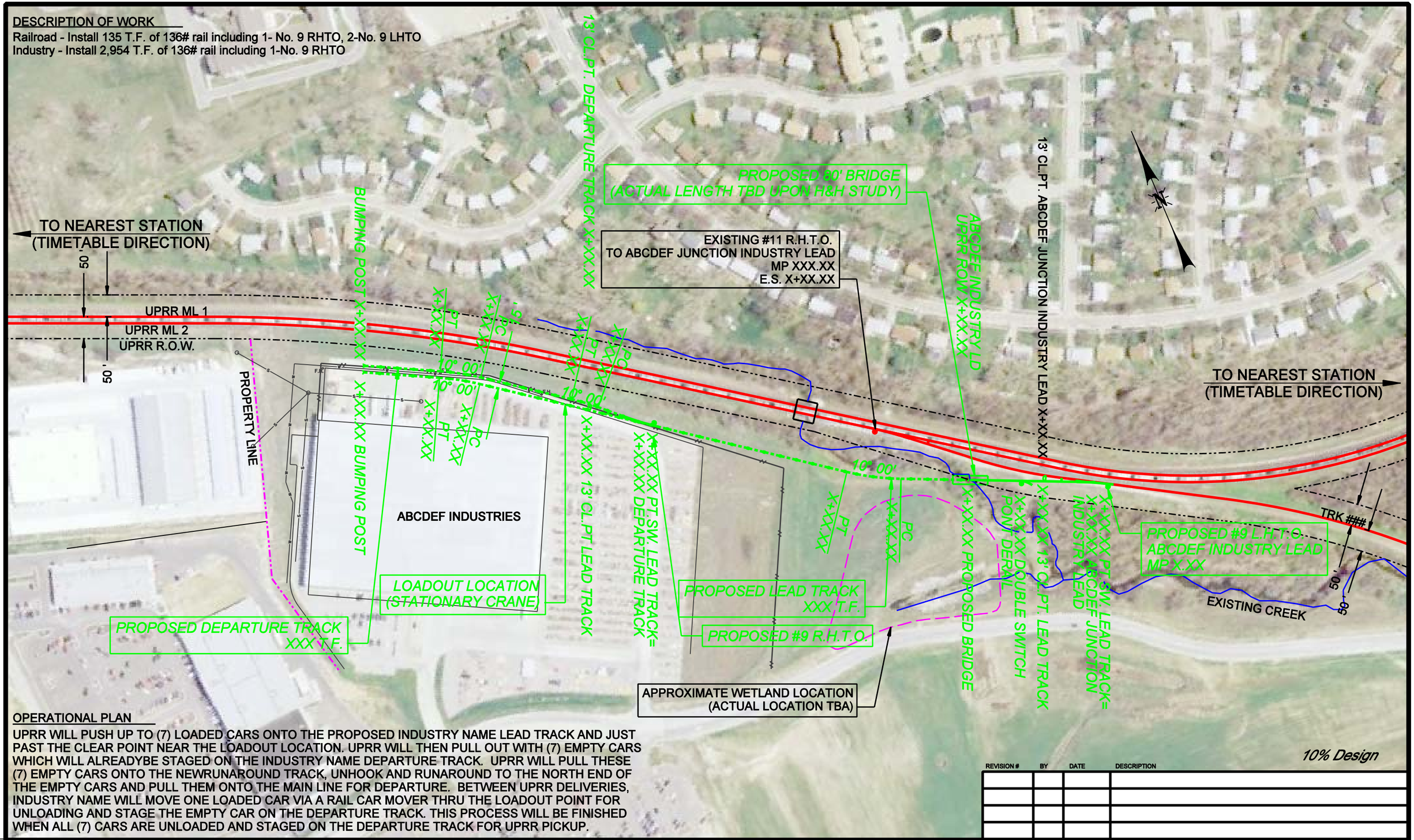
Project Location _____

Check List Completed By: _____
Signature/Date

Design Firm Name and Address: _____

DESCRIPTION OF WORK

Railroad - Install 135 T.F. of 136# rail including 1- No. 9 RHTO, 2-No. 9 LHTO
Industry - Install 2,954 T.F. of 136# rail including 1-No. 9 RHTO



OPERATIONAL PLAN

UPRR WILL PUSH UP TO (7) LOADED CARS ONTO THE PROPOSED INDUSTRY NAME LEAD TRACK AND JUST PAST THE CLEAR POINT NEAR THE LOADOUT LOCATION. UPRR WILL THEN PULL OUT WITH (7) EMPTY CARS WHICH WILL ALREADYBE STAGED ON THE INDUSTRY NAME DEPARTURE TRACK. UPRR WILL PULL THESE (7) EMPTY CARS ONTO THE NEWRUNAROUND TRACK, UNHOOK AND RUNAROUND TO THE NORTH END OF THE EMPTY CARS AND PULL THEM ONTO THE MAIN LINE FOR DEPARTURE. BETWEEN UPRR DELIVERIES, INDUSTRY NAME WILL MOVE ONE LOADED CAR VIA A RAIL CAR MOVER THRU THE LOADOUT POINT FOR UNLOADING AND STAGE THE EMPTY CAR ON THE DEPARTURE TRACK. THIS PROCESS WILL BE FINISHED WHEN ALL (7) CARS ARE UNLOADED AND STAGED ON THE DEPARTURE TRACK FOR UPRR PICKUP.

10% Design

REVISION #	BY	DATE	DESCRIPTION

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$$date$$

DESIGN FIRM NAME
AND/OR LOGO
GOES HERE

FIBER OPTIC CABLE! CALL BEFORE YOU DIG 1-800-336-9193

200 0 200 400
SCALE IN FEET

LEGEND
- Existing Mainline Trackage
- Existing Siding Trackage
- Proposed Railroad Owned Trackage
- Proposed Industry Owned Trackage
- UPRR Right Of Way
- Fiber Optic Cable (F/O)
- Property Boundary (Others)

DRAWN BY:
CHECKED BY:
DATE:
SHEET NUMBER
001 of 1 OF 2

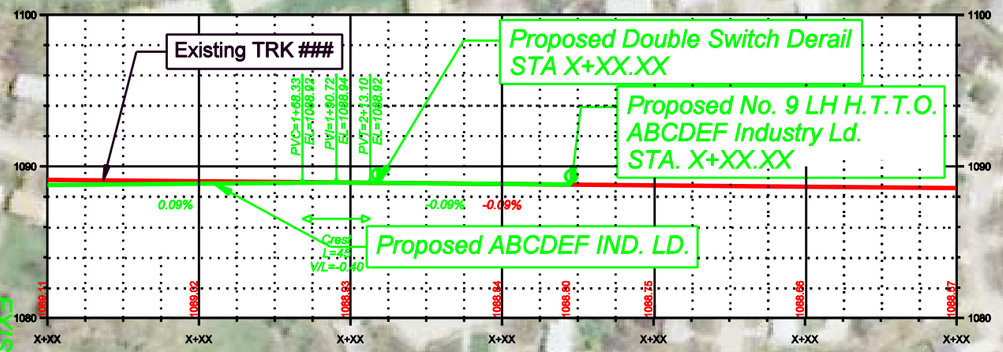
For Use In Agreement With: UNION PACIFIC RAILROAD
And INDUSTRY NAME

LOCATION & DESCRIPTION:
MILEPOST XXX, ABCDEF SUBDIVISON
CITY, COUNTY, STATE
TRACKAGE TO SERVE: INDUSTRY NAME

Sample 10%.dgn 11/13/2008 7:54:51 AM

DESCRIPTION OF WORK

Railroad - Install 135 T.F. of 136# rail including 1- No. 9 RHTO, 2-No. 9 LHTO
Industry - Install 2,954 T.F. of 136# rail including 1-No. 9 RHTO



TO NEAREST STATION
(TIMETABLE DIRECTION)

50'

UPRR ML 1
UPRR ML 2
UPRR R.O.W.

50'

PROPERTY LINE

BUMPING POST X+XX.XX

X+XX.XX BUMPING POST

13' CL PT. DEPARTURE TRACK
STA. X+XX.XX

EXISTING #11 R.H.T.O.
TO ABCDEF JCT. ND. LEAD
MP XXX.XX
E.S. X+XX.XX

EXISTING ABSOULUTE SIGNAL
STA. X+XX.XX

EXISTING ABSOULUTE SIGNAL
STA. X+XX.XX
ABCDEF INDUSTRY LD.
UPRR ROW X+XX.XX

13' CL PT.
ABCDEF JUNCTION INDUSTRY LD.
STA. X+XX.XX

TO NEAREST STATION
(TIMETABLE DIRECTION)

X+XX.XX PT
X+XX.XX PC
5°
10° 00'
X+XX.XX PT
X+XX.XX PC
10° 00'
X+XX.XX 13' CL.PT LEAD TRACK
X+XX.XX PT SW. LEAD TRACK=
X+XX.XX DEPARTURE TRACK
X+XX.XX PC
X+XX.XX PT
10° 00'
X+XX.XX PROPOSED BRIDGE BACKWALL
X+XX.XX DOUBLE SWITCH
POINT DERAIL
EXISTING ABSOLUTE SIGNAL
STA. X+XX.XX
X+XX.XX 13' CL.PT. LEAD TRACK
X+XX.XX PT SW. LEAD TRACK=
X+XX.XX ABCDEF JUNCTION
INDUSTRY LEAD
TRK ###
50'
50'
EXISTING CREEK

ABCDEF INDUSTRIES

LOADOUT LOCATION
(STATIONARY CRANE)

PROPOSED DEPARTURE TRACK
XXX T.F.

PROPOSED LEAD TRACK
XXX T.F.

PROPOSED #9 R.H.T.O.

PROPOSED NO. 9 L.H.T.O.
ABCDEF INDUSTRY LEAD
MP X.XX

PROPOSED 80' BRIDGE
(ACTUAL LENGTH TBD UPON H&H STUDY)

APPROXIMATE WETLAND LOCATION
(ACTUAL LOCATION TBA)

OPERATIONAL PLAN

UPRR WILL PUSH UP TO (7) LOADED CARS ONTO THE PROPOSED INDUSTRY NAME LEAD TRACK AND JUST PAST THE CLEAR POINT NEAR THE LOADOUT LOCATION. UPRR WILL THEN PULL OUT WITH (7) EMPTY CARS WHICH WILL ALREADYBE STAGED ON THE INDUSTRY NAME DEPARTURE TRACK. UPRR WILL PULL THESE (7) EMPTY CARS ONTO THE NEWRUNAROUND TRACK, UNHOOK AND RUNAROUND TO THE NORTH END OF THE EMPTY CARS AND PULL THEM ONTO THE MAIN LINE FOR DEPARTURE. BETWEEN UPRR DELIVERIES, INDUSTRY NAME WILL MOVE ONE LOADED CAR VIA A RAIL CAR MOVER THRU THE LOADOUT POINT FOR UNLOADING AND STAGE THE EMPTY CAR ON THE DEPARTURE TRACK. THIS PROCESS WILL BE FINISHED WHEN ALL (7) CARS ARE UNLOADED AND STAGED ON THE DEPARTURE TRACK FOR UPRR PICKUP.

30% Design

REVISION #	BY	DATE	DESCRIPTION

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$$date$$

DESIGN FIRM NAME
AND/OR LOGO
GOES HERE

FIBER OPTIC CABLE! CALL BEFORE YOU DIG 1-800-336-9193

200 0 200 400
SCALE IN FEET

LEGEND
- Existing Mainline Trackage
- Existing Siding Trackage
- Proposed Railroad Owned Trackage
- Proposed Industry Owned Trackage
- UPRR Right Of Way
- Fiber Optic Cable (F/O)
- Property Boundary (Others)

DRAWN BY:
CHECKED BY:
DATE:
SHEET NUMBER
001 of 1 OF 2

For Use In Agreement With: UNION PACIFIC RAILROAD
And INDUSTRY NAME

LOCATION & DESCRIPTION:
MILEPOST XXX, ABCDEF SUBDIVISON
CITY, COUNTY, STATE
TRACKAGE TO SERVE: INDUSTRY NAME

Sample 30%.dgn 11/13/2008 8:05:14 AM

SCOPE OF WORK

WORK BY UPRR:
Install 146 T.F. Incl. 1 - #9 LHTO 136#

WORK BY CONTRACTORS:
Install 1980 T.F. Incl 1 - #9 LHTO, 1 - Earthen Bumper, 1 - Bumping Post and 1 DPSS Derail

OPERATIONAL PLAN

UPRR WILL PUSH UP TO (7) LOADED CARS ONTO THE PROPOSED INDUSTRY NAME LEAD TRACK AND JUST PAST THE CLEAR POINT NEAR THE LOADOUT LOCATION. UPRR WILL THEN PULL OUT WITH (7) EMPTY CARS WHICH WILL ALREADYBE STAGED ON THE INDUSTRY NAME DEPARTURE TRACK. UPRR WILL PULL THESE (7) EMPTY CARS ONTO THE NEWRUNAROUND TRACK, UNHOOK AND RUNAROUND TO THE NORTH END OF THE EMPTY CARS AND PULL THEM ONTO THE MAIN LINE FOR DEPARTURE. BETWEEN UPRR DELIVERIES, INDUSTRY NAME WILL MOVE ONE LOADED CAR VIA A RAIL CAR MOVER THRU THE LOADOUT POINT FOR UNLOADING AND STAGE THE EMPTY CAR ON THE DEPARTURE TRACK. THIS PROCESS WILL BE FINISHED WHEN ALL (7) CARS ARE UNLOADED AND STAGED ON THE DEPARTURE TRACK FOR UPRR PICKUP.

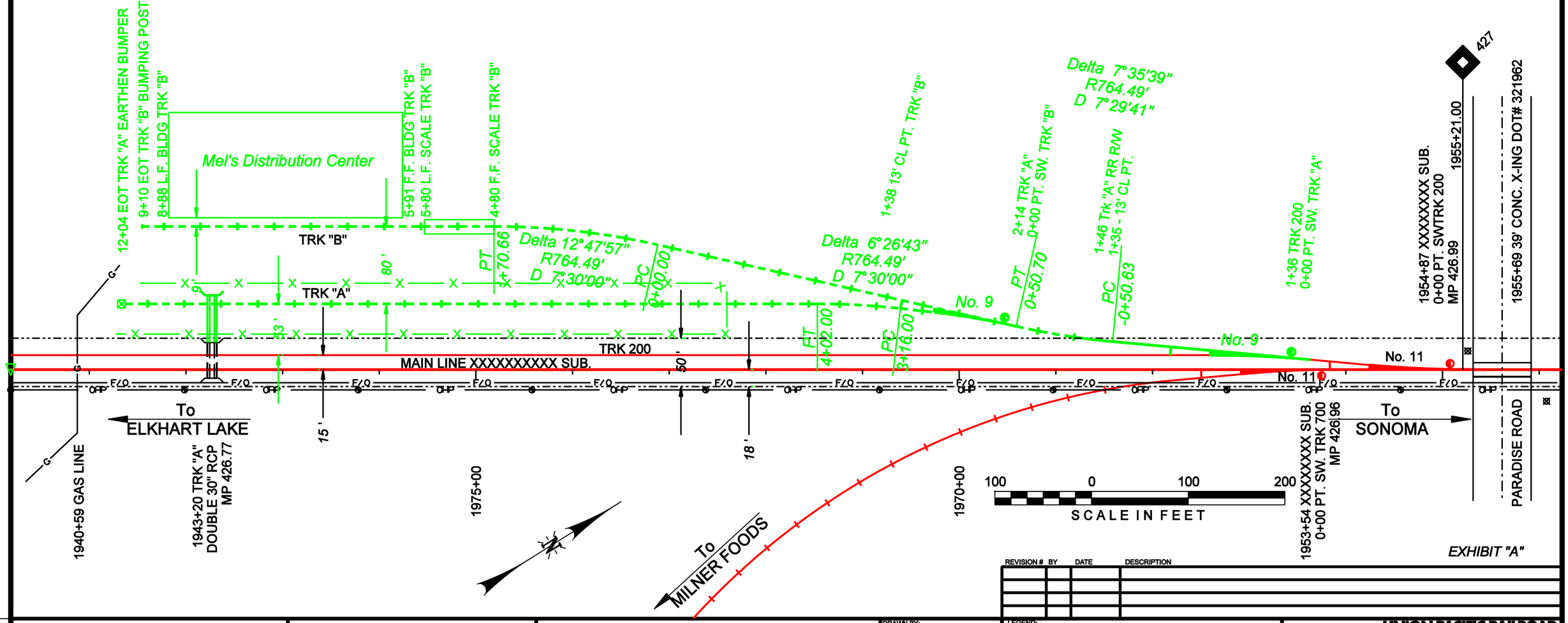

EXHIBIT "A"

REVISION #	BY	DATE	DESCRIPTION

$$colortable$$
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$$model$$
$$date$$

YOUR COMPANY NAME GOES HERE

FIBER OPTIC CABLE — CALL BEFORE YOU DIG 1-800-336-9193

100 0 100 200
SCALE IN FEET

DRAWN BY:
CHECKED BY:
DATE:
SHEET NUMBER 001 of

LEGEND:
- Existing Railroad Owned Trackage
- Proposed Railroad Owned Trackage
- Existing Industry Owned Trackage
- Proposed Industry Owned Trackage
- Future Industry Owned Trackage
- Fiber Optic Cable — F/O
- Railroad Right Of Way
- Fence — x — x — x — x — x

For Use in Agreement with: UNION PACIFIC RAILROAD
And INDUSTRY NAME

LOCATION & DESCRIPTION:
Milepost XXX, ABCDEF Subdivision
City, County, State
Trackage to Serve
INDUSTRY NAME

ABBREVIATIONS

MISCELLANEOUS

Ac.	Acres
Ave.	Avenue
Blvd.	Boulevard
Bldg.	Building
BNSF	BNSF Railway
C.Y.	Cubic Yards
Conc.	Concrete
°	Degree (s)
Dia.	Diameter
Dr.	Drive
Dwg.	Drawing
E	East
Elev.	Elevation
Exist.	Existing
'	Foot, Feet or Minute (s)
F.S.	Finished Surface
Horiz.	Horizontal
"	Inch, Inches or Second (s)
Inv.	Invert
Lt.	Left
L	Length
L.F.	Lineal Feet
Max.	Maximum
Min.	Minimum
N	North
NTS	Not to Scale
No.	Number
OH	Overhead
Prop.	Proposed
RR	Railroad
Rwy	Railway
R/W	Right of Way
Rt.	Right
S	South
S.F.	Square Feet
Sta.	Station
Std.	Standard
St.	Street
Twp.	Township
Typ.	Typical
UG	Underground
UPRR	Union Pacific Railroad
V	Velocity
Wt.	Weight
W	West
X-ing	Crossing

SIGNAL

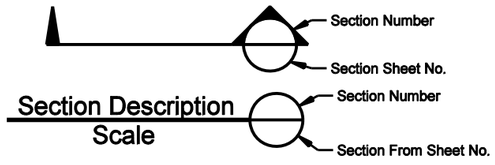
ABS	Automatic Block Signal
ATC	Automatic Train Control
CTC	Centralized Traffic Control
DED	Dragging Equipment Detector
DTC	Direct Traffic Control
ELTO	Electric Lock Turnout
HBD	Hot Box Detector
HTTO	Hand Throw Turnout
HWD	High Wide Dectector
POTO	Power Operated Turnout
TWC	Track Warrant Control
WILD	Wheel Impact Load Dectector

STRUCTURES

Bldg.	Building
Br.	Bridge
CB	Catch Basin
CPT	Concrete Pile Trestle - Ballast Deck
CIP	Cast Iron Pipe
CMP	Corrugated Metal Pipe
CMPA	Corrugated Metal Pipe Arch
CSP	Corrugated Steel Pipe
Culv.	Culvert
DI	Drop Inlet
DPGBD	Deck Plate Girder - Ballast Deck
DPGOD	Deck Plate Girder - Open Deck
EBW	East Backwall
F.L.	Flowline
F.F.	Finished Floor
GIP	Galvanized Iron Pipe
Hdwl	Headwall
NBW	North Backwall
PSCT	Prestressed Concrete Trestle
RCA	Reinforced Concrete Arch
RCB	Reinforced Concrete Box
RCP	Reinforced Concrete Pipe
SBW	South Backwall
SSP	Smooth Steel Pipe
SPTBD	Steel Pile Trestle - Ballast Deck
SPTOD	Steel Pile Trestle - Open Deck
SPP	Structural Plate Pipe
TPGBD	Through Plate Girder - Ballast Deck
TPGOD	Through Plate Girder - Open Deck
TPTBD	Timber Pile Trestle - Ballast Deck
TPTOD	Timber Pile Trestle - Open Deck
TTBD	Through Truss - Ballast Deck
TTOD	Through Truss - Open Deck
TWB	Treated Wood Box
VCP	Vitrified Clay Pipe
Viad.	Viaduct
WBW	West Backwall
WIP	Wrought Iron Pipe

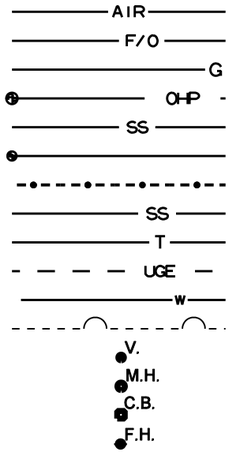
TRACK

ATR	Above Top of Rail
Align.	Alignment
BBR	Below Base of Rail
Cntrs.	Centers
CWR	Continuous Welded Rail
DSPD	Double Switch Point Derail
EOT	End of Track
HH	Head Hardened
Jtd.	Jointed Rail
LH	Left Hand
ML	Main Line
MM	Mile Marker
MP	Mile Post
NSC	Not Sufficient Clearance
OTM	Other Track Material
PCC	Point of Compound Curve
PC	Point of Curve
PCS	Point of Curve to Spiral
POC	Point on Curve
PF	1/2" Point of Frog
PI	Point of Intersection
PITO	Point of Intersection of Turnout
PS	Point of Spiral
PSC	Point of Spiral to Curve
POS	Point on Spiral
PT	Point of Tangent
POT	Point on Tangent
Pt. Sw.	Point of Switch
PVC	Point of Vertical Curve
PVI	Point of Vertical Intersection
PVT	Point of Vertical Tangent
RH	Right Hand
SH	Second Hand
SSPD	Single Switch Point Derail
TC	Track Centers
T.F.	Track Feet
Trk.	Track
UXO	Universal Cross-Over
X-Over	Cross-Over

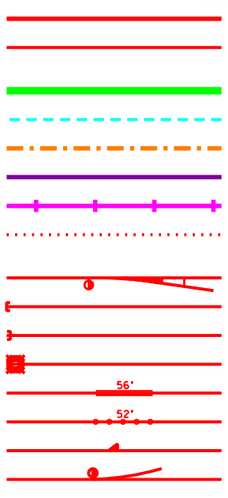


SYMBOLS

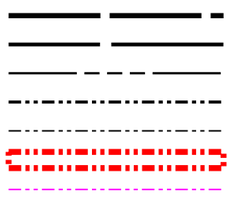
UTILITIES



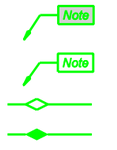
TRACK



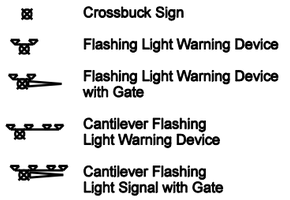
PROPERTY



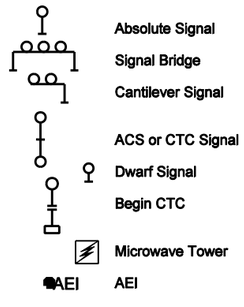
CONSTRUCTION



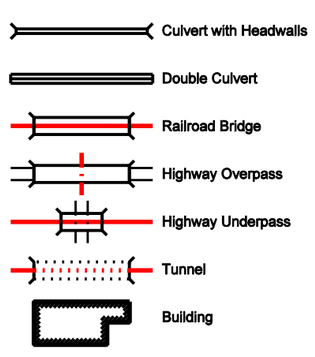
ROAD CROSSING WARNING DEVICES



SIGNAL

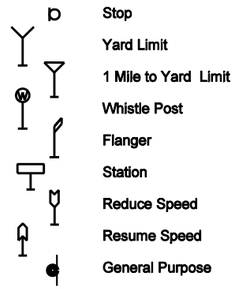


STRUCTURES



LIGHTING

SIGNS



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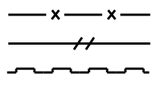

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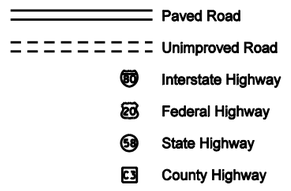

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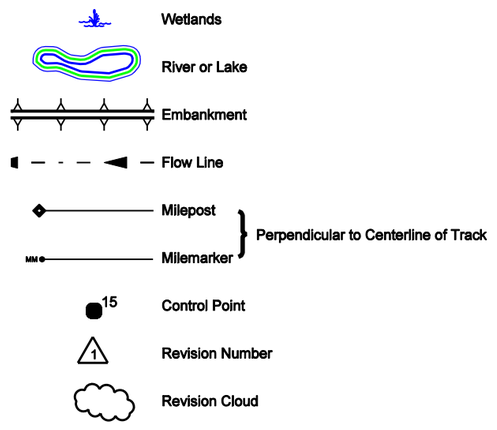

UNION PACIFIC RAILROAD
ENGINEERING STANDARDS

GENERAL LEGEND FOR
INDUSTRIAL DEVELOPMENT

STD DWG
GL001

STD DWG
GL001

$$colortable$$
$$pentable$$
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$$model$$
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