

### Site Legend

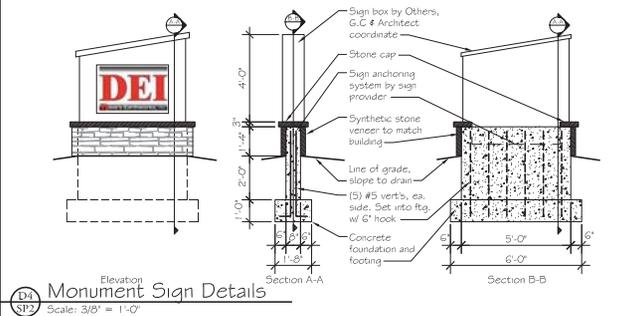
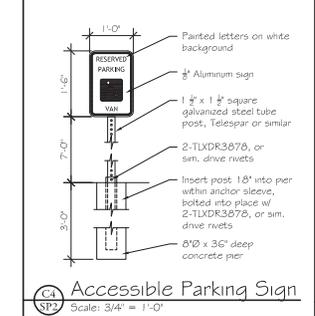
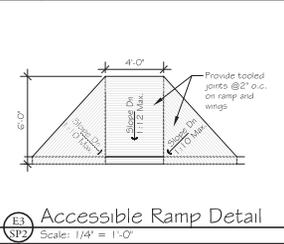
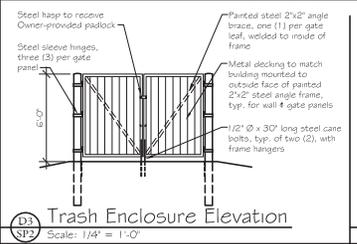
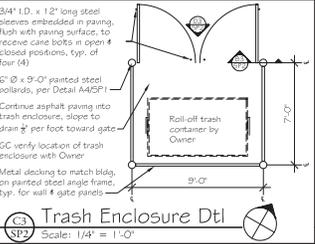
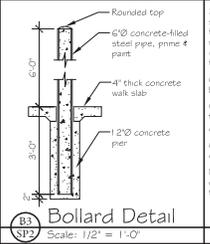
---	Property Line
- - - -	Setback Line
.....	Existing Contours
.....	New Contours
---	Existing Water Line
---	New Water Service
---	Existing Sanitary Sewer Line
---	New Sanitary Sewer Service
---	New Telephone Service
---	New Electrical Service
---	Transformer (shown)
---	Existing Gas Line
---	New Gas Service

- ### General Notes
- This project consists of work on two separate parcels to include Parcel #147118401003 and Parcel #147118401002 also known as 3355 County Rd 27. Parcels will remain separate no minor subdivision process is intended for this phase of the project.
  - See Civil Drawings for grading, drainage, and horizontal control.
  - See Landscaping Drawings for planting and irrigation information.
  - Building dimensions are to the outside face of foundation.
  - Proposed structure is approximately 28' +/- high from finished floor height to highest roof fascia.
  - The proposed office and shop building will have ten full-time employees.
  - Concrete curb radius shall be 3'-0" to outside face of curb, unless noted otherwise on plan.

- ### Plan Key Notes
- ① Asphalt paving per Geotechnical Report.
  - ② Approximate edge of gravel paving, verify with Owner.
  - ③ 6" Concrete curb per Civil.
  - ④ Wide concrete wheel stops in locations shown.
  - ⑤ Edge of asphalt paving.
  - ⑥ Trash enclosure per Details, this Sheet.
  - ⑦ Monument sign per Details, this Sheet.
  - ⑧ Accessible curb ramp per Detail E3/SP2.
  - ⑨ Planter bed per Landscape Plans.
  - ⑩ Bicycle Rack.
  - ⑪ Accessible parking signage per Detail C4/SP2.

**A2** Site Plan  
Scale: 1" = 40'-0"

Dave's Earthworks Inc. Shop & Office  
 Site Plan Review  
 3355 County Rd 27  
 Fort Lupton, Colorado 80621



**Halcyon Design LLC**  
PO Box 30  
Frederick, CO 80530  
303.906.2617

DATE	8.31.16
REVISIONS	
SHEET TITLE	Site Plan Map
SHEET NUMBER	

**SP2**  
Project No. 1607

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ALL CONSTRUCTION SHALL CONFORM TO CURRENT INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES.

1/8" NOT SCALE DRAWING FOR DIMENSIONS

Dave's Earthworks Inc. Shop & Office  
 Weld County Parcel No. 147118401002 & 147118401003  
 Fort Lupton, Colorado 80621

**Halcyon Design LLC**  
 PO Box 30  
 Frederick, CO 80530  
 303.906.2617

DATE  
 8.31.16

REVISIONS

SHEET TITLE  
 Building Elevations

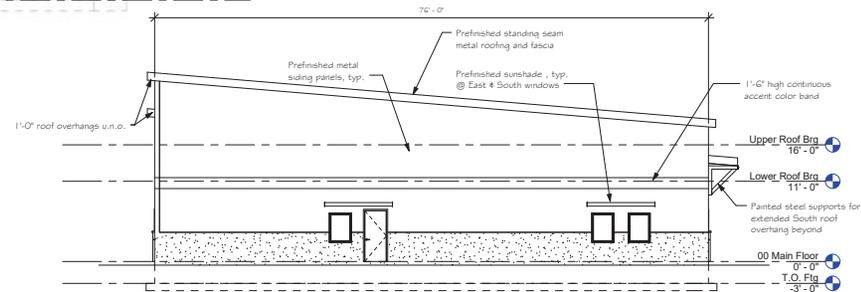
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**SP3**

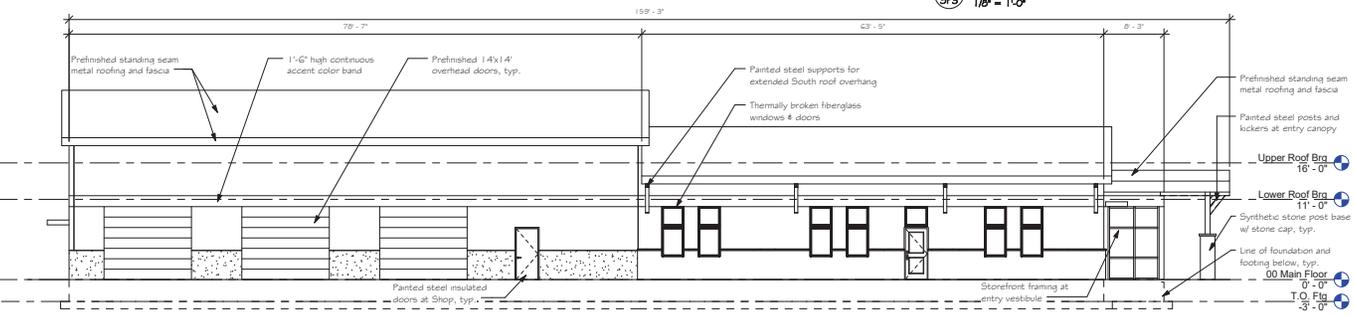
Project No. 1607



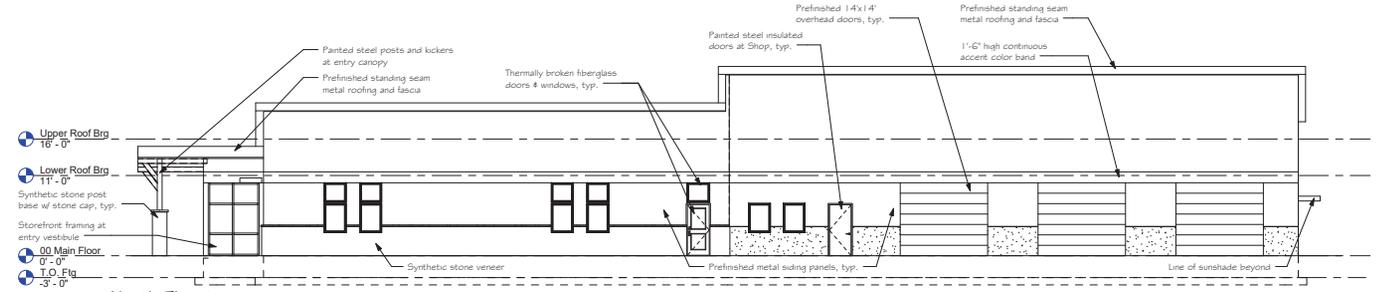
**A1**  
**SP3**  
**East Elevation**  
 3/16" = 1'-0"



**C2**  
**SP3**  
**West Elevation**  
 1/8" = 1'-0"



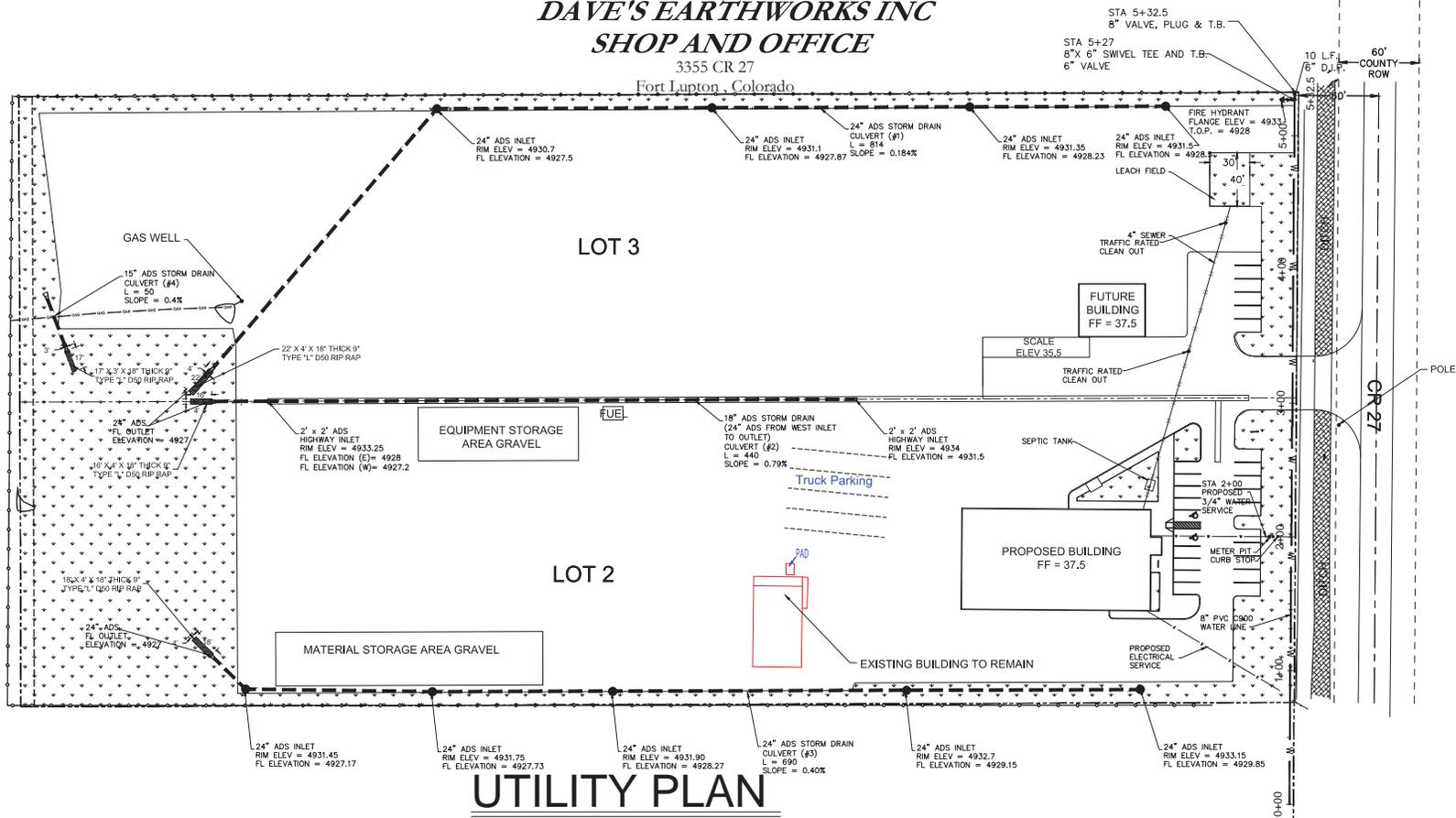
**A5**  
**SP3**  
**South Elevation**  
 1/8" = 1'-0"



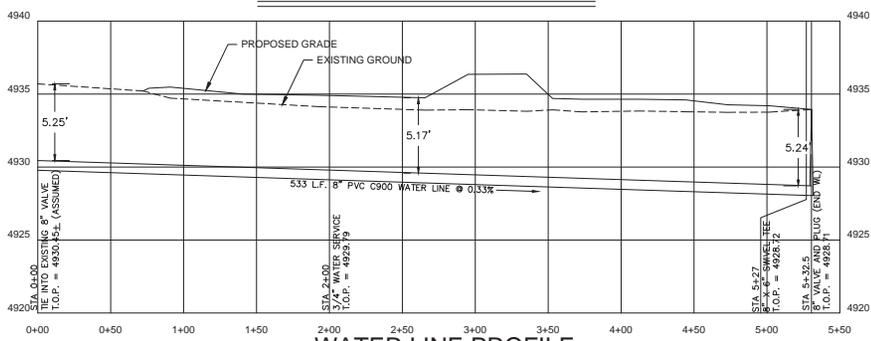
**A4**  
**SP3**  
**North Elevation**  
 1/8" = 1'-0"

**DAVE'S EARTHWORKS INC**  
**SHOP AND OFFICE**

3355 CR 27  
 Fort Lupton, Colorado



**UTILITY PLAN**



**WATER LINE PROFILE**

1" = 40' HORIZONTALLY  
 1" = 4' VERTICALLY

DRAWN FOR  
 DAVE HART  
 P.O. Box 922  
 Brighton, CO 80001

DAVE'S  
 EARTHWORKS INC  
 3355 CR 27  
 FORT LUPTON COLORADO

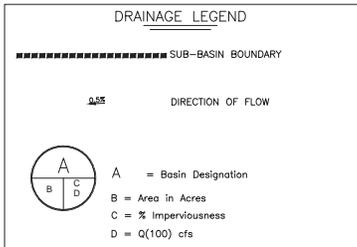
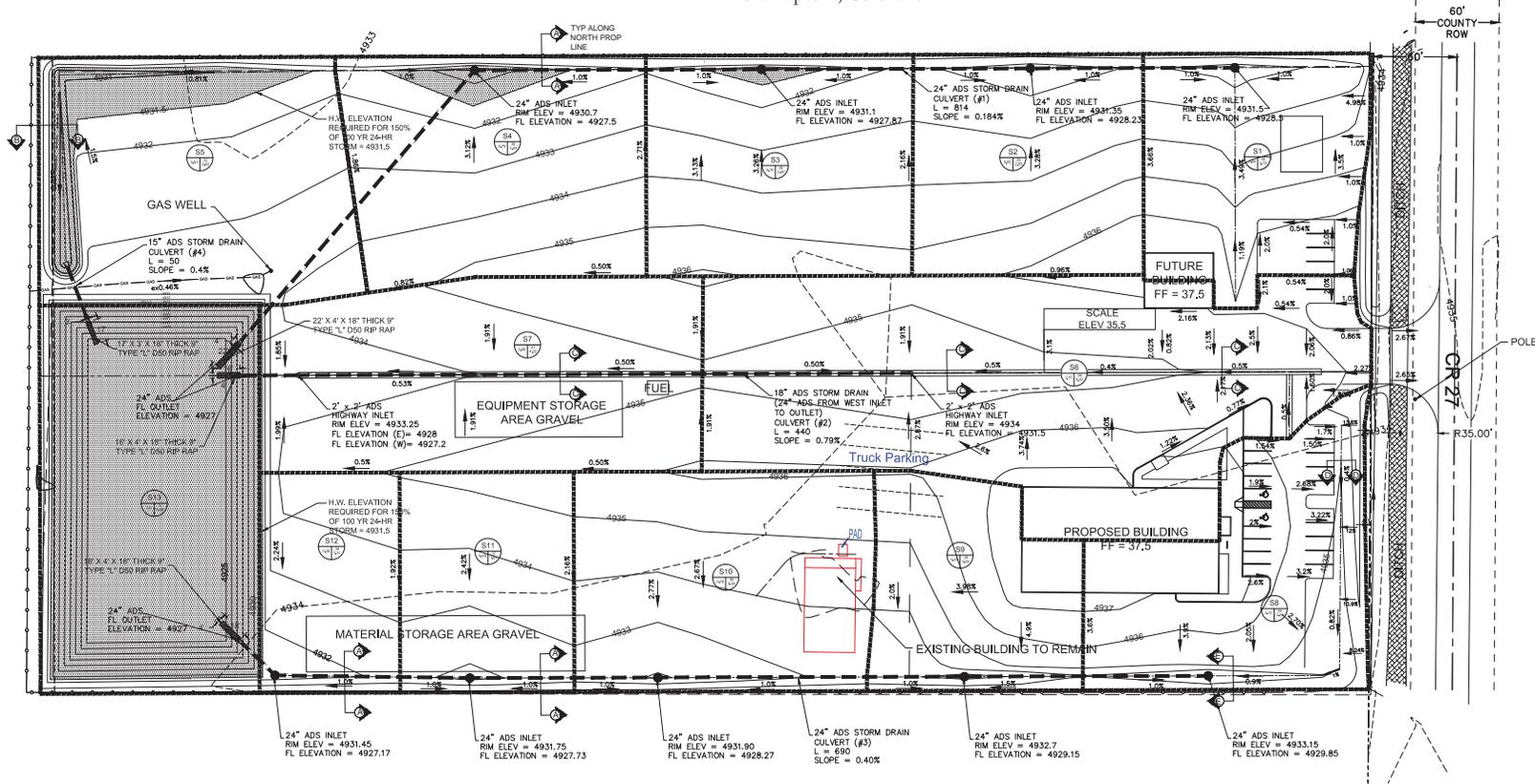
DAVE'S  
 EARTHWORKS INC  
 3355 CR 27  
 FORT LUPTON COLORADO

WERNISMAN ENGINEERING  
 STEVE WERNISMAN  
 101 45th STREET  
 EVANS, CO 80620  
 (970) 383-4463

DATE	8/31/2016
SCALE	1" = 40'
PROJECT #	
SHEET	C2

# DAVE'S EARTHWORKS INC SHOP AND OFFICE

3355 CR 27  
Fort Lupton, Colorado

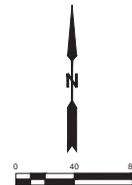


BASIN	AREA (AC)	C(100)	XIMP	Q(100)CFS
ENTIRE SITE	10.01	0.58	38	37.65
S1	0.60	0.58	40	2.75
S2	0.60	0.58	38	2.55
S3	0.70	0.58	38	2.97
S4	0.79	0.58	38	3.34
S5	0.91	0.57	32	3.63
S6	1.57	0.62	56	6.92
S7	0.98	0.58	41	4.02
S8	0.70	0.62	55	3.09
S9	0.49	0.58	39	2.05
S10	0.78	0.58	38	3.28
S11	0.45	0.58	37	1.91
S12	0.36	0.57	34	1.51
S13	1.01	0.51	3	5.36

NOTE ALL VALUES SHOWN ARE FOR 100-YR EVENT

## PROPOSED BASINS

SCALE 1" = 40'



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DAVE HART  
P.O. Box 322  
Brighton, CO 80601

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EARTHWORKS INC  
3355 CR 27  
FORT LUPTON COLORADO

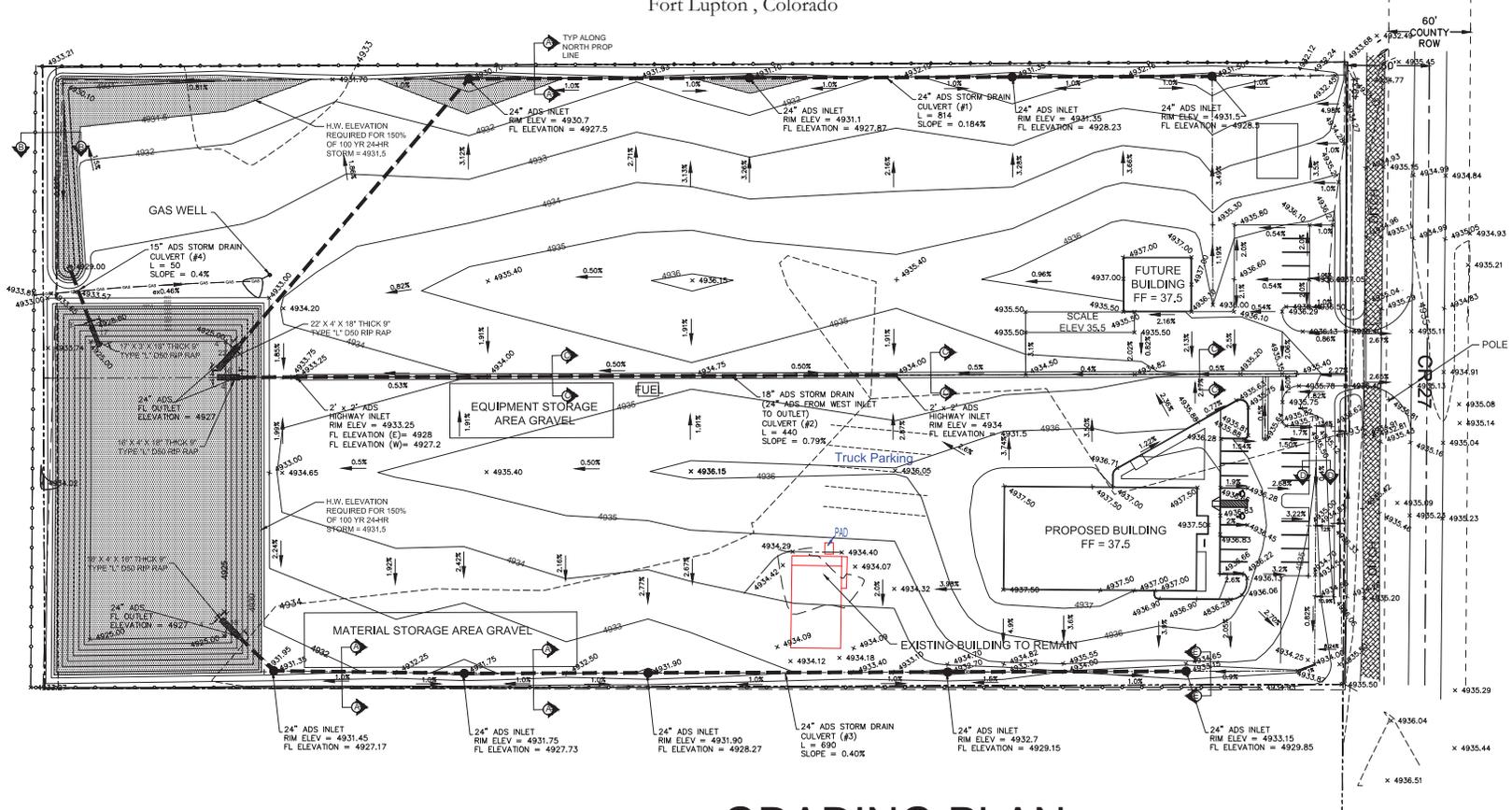
WERNISMAN ENGINEERING  
STEVE WERNISMAN  
101 45th STREET  
EVANS, CO 80620  
(970) 383-4463

DRAWN  
CHECKED  
DATE  
8/31/2016  
SCALE  
1" = 40'  
PROJECT #  
SHEET  
**C3**

OF 07 SHEETS

# DAVE'S EARTHWORKS INC SHOP AND OFFICE

3355 CR 27  
Fort Lupton, Colorado



## GRADING PLAN

LEGEND:	
PROPERTY LINE	---
EDGE OF BUILDING	---
EDGE OF EASEMENT	---
SWALE CENTERLINE	---
EXISTING GRADE CONTOUR	---
FINISHED GRADE CONTOUR	---
CULVERT	---



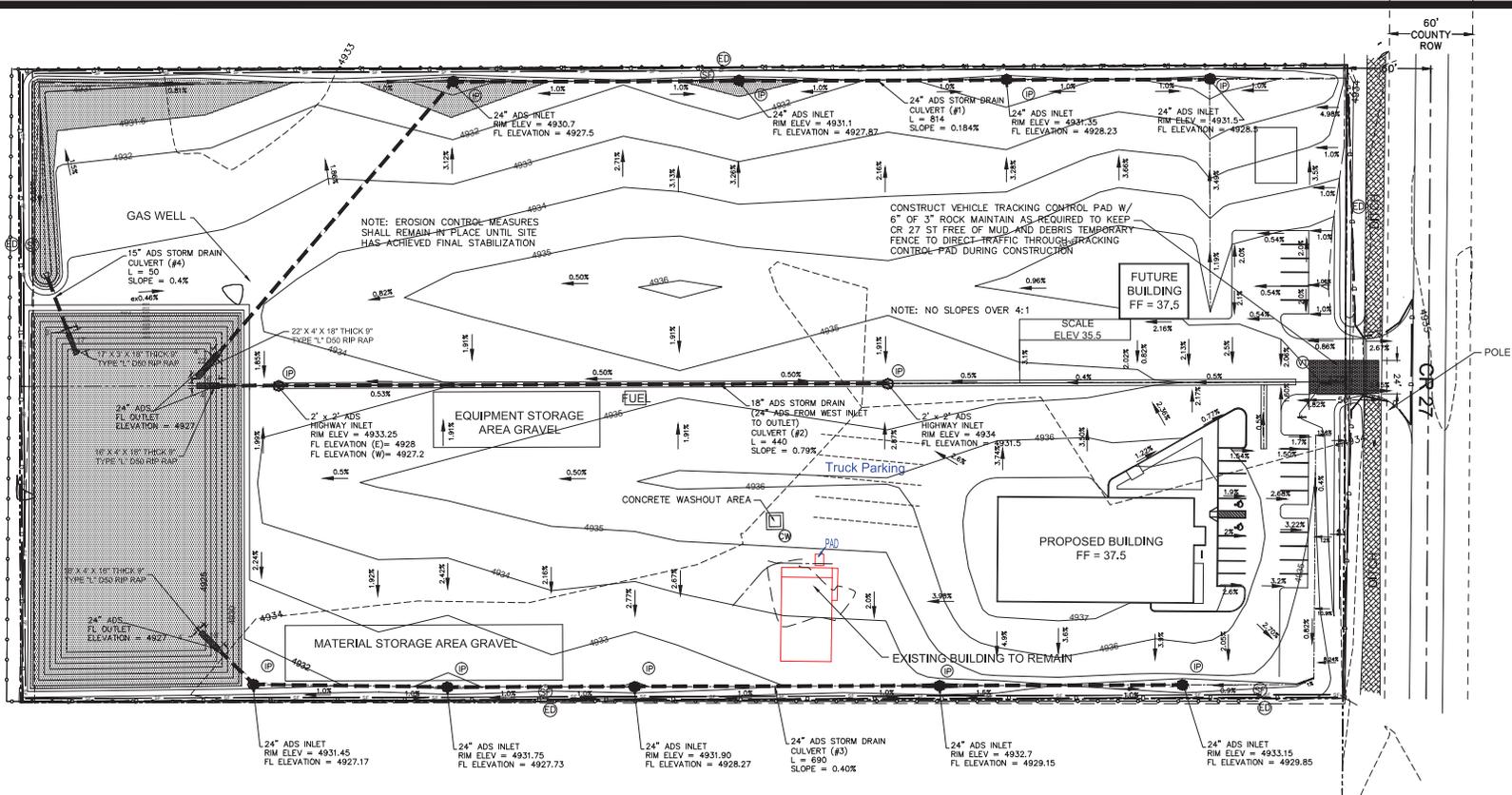
DRAWN FOR  
DAVE HART  
P.O. Box 922  
Brighton, CO 80601

DAVE'S  
EARTHWORKS INC  
3355 CR 27  
FORT LUPTON COLORADO

WERNISMAN ENGINEERING  
STEVE WERNISMAN  
101 45th STREET  
EVANS, CO 80620  
(970) 383-4463

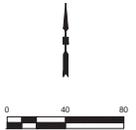
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CHECKED  
DATE  
8/31/2016  
SCALE  
1" = 40'  
PROJECT #  
SHEET  
**C4**

OF 07 SHEETS



# EROSION CONTROL PLAN

KEY	TITLE	SYMBOL / LINEWORK
(SF)	SILT FENCE	— SF — SF — SF — SF
(ED)	EXTENT OF DISTURBANCE	— — — — —
(VT)	VEHICLE TRACKING PAD	▨
(CW)	CONCRETE WASHOUT AREA	▣
(IP)	INLET PROTECTION	⊕



- SITE MAINTENANCE NOTES:
1. REGULAR INSPECTION OF ALL DRAINAGE PATHS SHOULD BE SCHEDULED TO ENSURE PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
  2. AFTER EACH RAIN EVENT SITE SHALL BE CHECKED TO ENSURE EROSION HAS NOT OCCURED AND/ OR CORRECT ANY ISSUES IF REQUIRED.
  3. SNOW SHOULD BE PILED IN SUCH A MANNER AS TO NOT CAUSE PLUGGING OR MALFUNCTION OF DRAINAGE SYSTEM.
  4. RE-SEED AS NECESSARY TO MAINTAIN GROUNDCOVER TO ELIMINATE SOIL EROSION
  5. FORT LUPTON SHALL NOT BE RESPONSIBLE FOR MAINTENANCE OF ON-SITE DETENTION AREAS

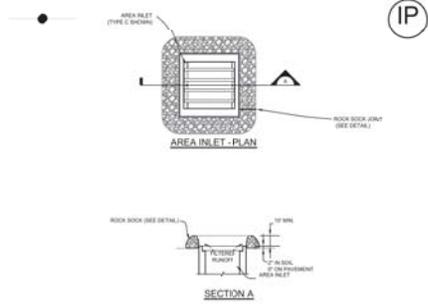
DRAWN FOR  
DAVE HART  
P.O. Box 322  
Brighton, CO 80801

DAVES  
EARTHWORKS INC  
3655 CR 27  
FORT LUPTON COLORADO

WERNISMAN ENGINEERING  
STEVE WERNISMAN  
101 42ND STREET  
EVANS, CO 80620  
(970) 383-4463

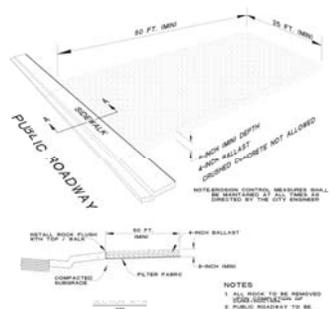
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1 OF 42  
PROJECT #

SHEET  
**C5**  
OF 42 SHEETS



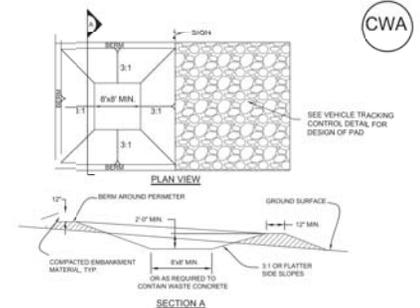
- AREA INLET PROTECTION NOTES**
- INLET PROTECTION FOR PERMITS CONSTRUCTION OF AFTER PAVEMENT SHALL BE INSTALLED WITHIN 48 HOURS AFTER PERMIT CONSTRUCTION OR PAVING IS COMPLETED.
  - STORM WATER POLLUTION CONTROL (SWPC) SHALL BE USED IN PLACE OF ROCKS FOR PERMITS IN REMEDIATION AREAS. SEE ALL PERMITS FOR SWPC CONTROL LOG DETAIL.
  - THE SWPC MANAGER SHALL INSPECT AREA INLET PROTECTION WEEKLY DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY. INSPECT MORE FREQUENTLY DURING WINTER CONDITIONS DUE TO FREEZE-THAW PROBLEMS. REPAIRS AS NEEDED.
  - SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED WHEN THE SEDIMENT DEPTH UPSTREAM OF ROCK BARR IS WITHIN 2 TO 3 INCHES OF THE CREST.
  - INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRADES COVER IS APPROVED. UNLESS THE CITY APPROVES AN ALTERNATIVE METHOD OF INLET PROTECTION IN STREETS.
  - UNLESS AREA INLET PROTECTION AT AREA INLET IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL. SHALL BE COVERED AND GRASS PLANTED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE CITY.

<b>Fort Lupton</b> DESIGN STANDARDS	DESIGN STANDARDS	STANDARD DRAWING
	AREA INLET PROTECTION USING GRAVEL FILTER	EC 7
DATE: 8/15/14		



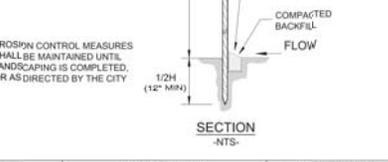
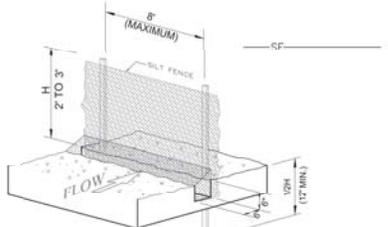
- VEHICLE TRACKING PAD NOTES**
- THIS PAD SHALL BE AS RECEIVED FROM THE MANUFACTURER. IT SHALL BE INSPECTED BY THE CITY ENGINEER.
  - THE CITY ENGINEER SHALL INSPECT THE PAD WEEKLY DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT AS NECESSARY. INSPECT MORE FREQUENTLY DURING WINTER CONDITIONS DUE TO FREEZE-THAW PROBLEMS. REPAIRS AS NEEDED.

<b>Fort Lupton</b> DESIGN STANDARDS	DESIGN STANDARDS	STANDARD DRAWING
	VEHICLE TRACKING PAD	EC 8
DATE: 8/15/14		

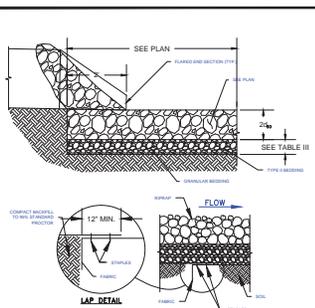
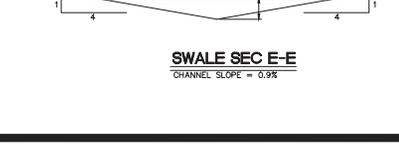
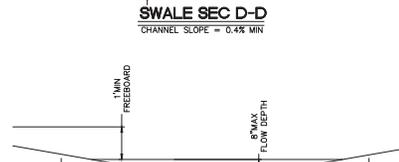
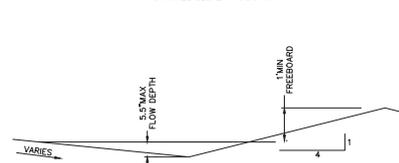
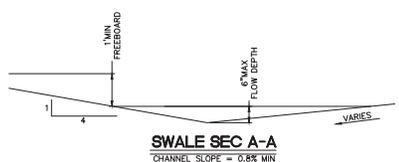


- CONCRETE WASHOUT AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA.
  - THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
  - VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT.
  - SEDS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT ARE TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
- CONCRETE WASHOUT AREA MAINTENANCE NOTES**
- THE CONCRETE WASHOUT AREA SHALL BE RETAINED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
  - AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
  - WHEN THE WASHOUT AREA IS REPAIRED, CONTROL LOGS, INCLUDING AREA INLET, SHALL BE INSPECTED WEEKLY, DURING AND AFTER ANY STORM EVENT.
  - PORTABLE ROLLOFF TYPE OF CONCRETE WASHOUT FACILITIES WILL ALSO BE ALLOWED.

<b>Fort Lupton</b> DESIGN STANDARDS	DESIGN STANDARDS	STANDARD DRAWING
	CONCRETE WASHOUT AREA	EC 9
DATE: 8/15/14		



<b>Fort Lupton</b> DESIGN STANDARDS	DESIGN STANDARDS	STANDARD DRAWING
	SILT FENCE	EC 15
DATE: 8/15/14		



**CLASSIFICATION AND GRADATION OF ORDINARY RIPRAP**

RIPPRAP DESIGNATION	RIPPRAP SIZE BY WEIGHT	INTERMEDIATE SIZES (SIZES)	PERCENTAGE
RIPPRAP 1	1.5-2.0	1.5-2.0	100
RIPPRAP 2	2.0-2.5	2.0-2.5	100
RIPPRAP 3	2.5-3.0	2.5-3.0	100
RIPPRAP 4	3.0-3.75	3.0-3.75	100
RIPPRAP 5	3.75-4.75	3.75-4.75	100
RIPPRAP 6	4.75-6.0	4.75-6.0	100
RIPPRAP 7	6.0-7.5	6.0-7.5	100
RIPPRAP 8	7.5-9.5	7.5-9.5	100
RIPPRAP 9	9.5-12.0	9.5-12.0	100
RIPPRAP 10	12.0-15.0	12.0-15.0	100
RIPPRAP 11	15.0-19.0	15.0-19.0	100
RIPPRAP 12	19.0-24.0	19.0-24.0	100
RIPPRAP 13	24.0-30.0	24.0-30.0	100
RIPPRAP 14	30.0-37.5	30.0-37.5	100
RIPPRAP 15	37.5-47.5	37.5-47.5	100
RIPPRAP 16	47.5-60.0	47.5-60.0	100
RIPPRAP 17	60.0-75.0	60.0-75.0	100
RIPPRAP 18	75.0-95.0	75.0-95.0	100
RIPPRAP 19	95.0-120.0	95.0-120.0	100
RIPPRAP 20	120.0-150.0	120.0-150.0	100
RIPPRAP 21	150.0-190.0	150.0-190.0	100
RIPPRAP 22	190.0-240.0	190.0-240.0	100
RIPPRAP 23	240.0-300.0	240.0-300.0	100
RIPPRAP 24	300.0-375.0	300.0-375.0	100
RIPPRAP 25	375.0-475.0	375.0-475.0	100
RIPPRAP 26	475.0-600.0	475.0-600.0	100
RIPPRAP 27	600.0-750.0	600.0-750.0	100
RIPPRAP 28	750.0-950.0	750.0-950.0	100
RIPPRAP 29	950.0-1200.0	950.0-1200.0	100
RIPPRAP 30	1200.0-1500.0	1200.0-1500.0	100
RIPPRAP 31	1500.0-1900.0	1500.0-1900.0	100
RIPPRAP 32	1900.0-2400.0	1900.0-2400.0	100
RIPPRAP 33	2400.0-3000.0	2400.0-3000.0	100
RIPPRAP 34	3000.0-3750.0	3000.0-3750.0	100
RIPPRAP 35	3750.0-4750.0	3750.0-4750.0	100
RIPPRAP 36	4750.0-6000.0	4750.0-6000.0	100
RIPPRAP 37	6000.0-7500.0	6000.0-7500.0	100
RIPPRAP 38	7500.0-9500.0	7500.0-9500.0	100
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RIPPRAP 76	47500000.0-60000000.0	47500000.0-60000000.0	100
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RIPPRAP 78	75000000.0-95000000.0	75000000.0-95000000.0	100
RIPPRAP 79	95000000.0-120000000.0	95000000.0-120000000.0	100
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RIPPRAP 81	150000000.0-190000000.0	150000000.0-190000000.0	100
RIPPRAP 82	190000000.0-240000000.0	190000000.0-240000000.0	100
RIPPRAP 83	240000000.0-300000000.0	240000000.0-300000000.0	100
RIPPRAP 84	300000000.0-375000000.0	300000000.0-375000000.0	100
RIPPRAP 85	375000000.0-475000000.0	375000000.0-475000000.0	100
RIPPRAP 86	475000000.0-600000000.0	475000000.0-600000000.0	100
RIPPRAP 87	600000000.0-750000000.0	600000000.0-750000000.0	100
RIPPRAP 88	750000000.0-950000000.0	750000000.0-950000000.0	100
RIPPRAP 89	950000000.0-1200000000.0	950000000.0-1200000000.0	100
RIPPRAP 90	1200000000.0-1500000000.0	1200000000.0-1500000000.0	100
RIPPRAP 91	1500000000.0-1900000000.0	1500000000.0-1900000000.0	100
RIPPRAP 92	1900000000.0-2400000000.0	1900000000.0-2400000000.0	100
RIPPRAP 93	2400000000.0-3000000000.0	2400000000.0-3000000000.0	100
RIPPRAP 94	3000000000.0-3750000000.0	3000000000.0-3750000000.0	100
RIPPRAP 95	3750000000.0-4750000000.0	3750000000.0-4750000000.0	100
RIPPRAP 96	4750000000.0-6000000000.0	4750000000.0-6000000000.0	100
RIPPRAP 97	6000000000.0-7500000000.0	6000000000.0-7500000000.0	100
RIPPRAP 98	7500000000.0-9500000000.0	7500000000.0-9500000000.0	100
RIPPRAP 99	9500000000.0-12000000000.0	9500000000.0-12000000000.0	100
RIPPRAP 100	12000000000.0-15000000000.0	12000000000.0-15000000000.0	100

**TABLE II GRADATION FOR GRANULAR BEDDING**

U.S. STANDARD	PERCENT WEIGHT BY PASSING
3 INCHES	100
1 1/2 INCHES	100
3/4 INCHES	100
3/8 INCHES	100
#20	100
#30	100
#40	100
#60	100
#100	100
#200	100

**TABLE III THICKNESS REQUIREMENTS FOR GRANULAR BEDDING**

U.S. STANDARD	PERCENT WEIGHT BY PASSING	MINIMUM THICKNESS
3 INCHES	100	4
1 1/2 INCHES	100	4
3/4 INCHES	100	4
3/8 INCHES	100	4
#20	100	4
#30	100	4
#40	100	4
#60	100	4
#100	100	4
#200	100	4

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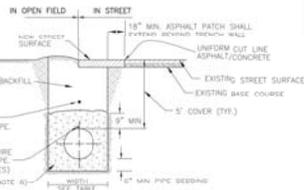
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PRODUCT #

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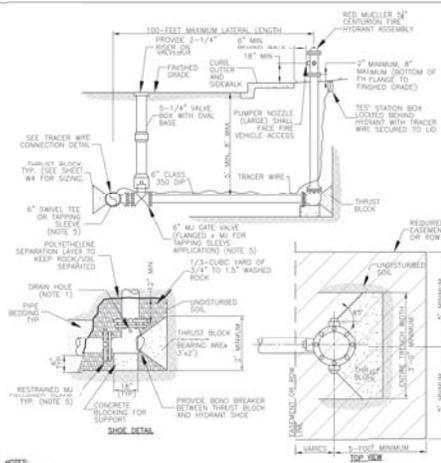


TYPICAL TRENCH SECTION

PIPE DIAMETER	TRENCH WIDTH	
	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'-4"	2'-4"
6"	1'-6"	2'-6"
8"	1'-8"	2'-8"
12"	2'-0"	3'-0"
18"	2'-4"	3'-4"
20"	2'-6"	3'-6"
24"	4'-0"	5'-0"

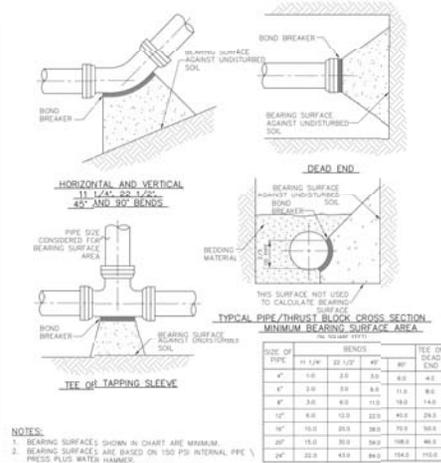
- NOTES:**
- TRENCHES 3 FT DEEP OR GREATER REQUIRE A "PROTECTIVE SYSTEM" AS DEFINED BY OSHA TRENCHES 20 FT DEEP OR GREATER REQUIRE THAT THE "PROTECTIVE SYSTEM BE DESIGN BY A REGISTERED PROFESSIONAL ENGINEER.
  - OSHA'S STANDARDS REQUIRE THAT TRENCHES BE INSPECTED DAILY AND AS CONDITIONS CHANGE BY A "COMPETENT PERSON" (AS DEFINED BY OSHA) PRIOR TO WORKER ENTRY TO ENSURE ELIMINATION OF EDUCATION HAZARDS. FOR ADDITIONAL INFORMATION REGARDING OSHA REQUIREMENTS CALL 1-800-331-0344.
  - MINIMUM COVER OVER PIPE TO BE BELOW OFFICIAL STREET GRADE.
  - FOR PIPE BEDDING REQUIREMENTS REFER TO CHAPTER 9 OF THE SPECIFICATIONS AND SPECIFICATIONS.
  - PIPE BEDDING SHALL BE PLACED AGAINST UNDISTURBED SOIL IN THE TRENCH BOTTOM, HOWEVER, WHERE ADVERSE SOIL IS ENCOUNTERED IN THE TRENCH BOTTOM, SOIL SHALL BE REMOVED AND TRENCH STABILIZATION MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.

**Fort Lepton** DESIGN STANDARDS STANDARD DRAWING  
**TYPICAL TRENCH SECTION PIPE PROTECTION** W1  
 DATE: 8/15/14



- NOTES:**
- ALL FITTINGS, PIPE AND HYDRANT BARREL SHALL BE POLYETHYLENE UNLESS OTHERWISE SPECIFIED BY AREA S-105. PROVIDE PERFORMANCE AT HYDRANT DRINK HOLES.
  - PRIOR TO PUTTING INTO SERVICE THE FOLLOWING SHALL BE PERFORMED: NOZZLE THREADS SHALL BE GRASSED, OR RESIDUE SHALL BE FILLED, AND HYDRANTS SHALL BE BRUSH PAINTED FIRE ENGINE RED (R.F. 707).
  - THE ENTIRE PIPING ASSEMBLY (HYDRANT SHOCK TO CONNECTION AT MAIN) SHALL BE FULLY RESTRAINED.

**Fort Lepton** DESIGN STANDARDS STANDARD DRAWING  
**FIRE HYDRANT INSTALLATION DETAIL** W2  
 DATE: 8/15/14



- NOTES:**
- BEARING SURFACES SHOWN IN CHART ARE MINIMUM.
  - BEARING SURFACES ARE BASED ON 150 PSF INTERNAL PIPE PRESSURE WATER HAMMER. 4", 6", 8" AND 12" WATER HAMMER = 110 PSF. 18", 20" AND 24" WATER HAMMER = 10 PSF.
  - BEARING SURFACE CALCULATIONS ARE BASED ON 800 PSF SOIL BEARING CAPACITY.
  - ALL CUT-TOE IRON AND CAST IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE AND SECURELY TAPED PRIOR TO PLACING THURST BLOCKS.
  - NO COMPACTION SHALL BE ALLOWED ABOVE THURST BLOCKS FOR A MINIMUM OF 24 HOURS AFTER PLACEMENT. CONCRETE MUST CURE A MIN. OF 48 HOURS PRIOR TO FILING LINES.

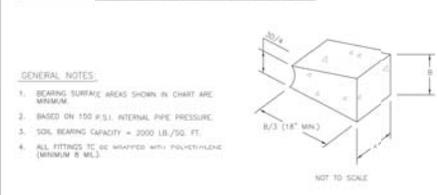
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**CONCRETE THRUST BLOCKS - BEARING SURFACES AND INSTALLATION** W3  
 DATE: 8/15/14

MINIMUM DIMENSIONS FOR THRUST BLOCKS

FITTING SIZE	TEES & PLUGS		90° BEND		45° BENDS & WYES	
	A	B	A	B	A	B
4"	1'-0"	1'-2"	1'-0"	1'-6"	1'-0"	0'-10"
6"	2'-0"	1'-11"	2'-0"	2'-2"	1'-10"	1'-3"
8"	2'-8"	2'-8"	3'-2"	3'-0"	2'-5"	2'-1"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-0"	2'-9"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"
18"	5'-0"	3'-10"	6'-8"	6'-11"	4'-0"	3'-5"
20"	5'-0"	5'-0"	6'-0"	6'-0"	5'-0"	4'-0"
24"	6'-0"	6'-0"	7'-0"	7'-0"	5'-0"	5'-0"
30"	7'-6"	7'-6"	8'-0"	8'-0"	6'-3"	6'-3"

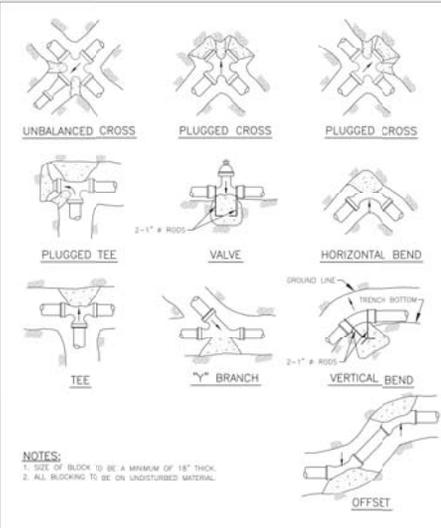
  

FITTING SIZE	REDUCERS & 22.1/2° BENDS		11 1/4° BENDS	
	A	B	A	B
4"	1'-0"	0'-6"	0'-6"	0'-6"
6"	1'-0"	0'-10"	1'-0"	0'-6"
8"	1'-0"	1'-4"	1'-0"	1'-0"
10"	2'-2"	1'-11"	1'-6"	1'-0"
12"	2'-0"	2'-3"	2'-0"	1'-0"
14"	3'-0"	2'-5"	2'-0"	1'-4"
20"	3'-8"	3'-0"	3'-0"	2'-0"
24"	4'-0"	3'-0"	3'-0"	3'-0"
30"	4'-8"	4'-6"	3'-3"	3'-3"



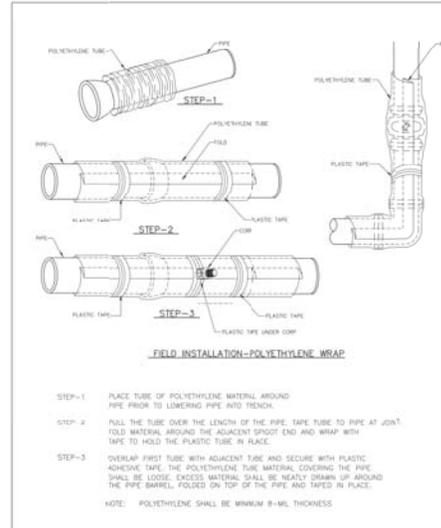
- GENERAL NOTES:**
- BEARING SURFACE AREAS SHOWN IN CHART ARE MINIMUM.
  - BASED ON 150 P.S.F. INTERNAL PIPE PRESSURE.
  - SOIL BEARING CAPACITY = 2000 LB./SQ. FT.
  - ALL FITTINGS TO BE WRAPPED WITH POLYETHYLENE (MINIMUM 8 MIL).

**Fort Lepton** DESIGN STANDARDS STANDARD DRAWING  
**TYPICAL TRENCH BLOCK DIMENSIONS** W4  
 DATE: 8/15/14



- NOTES:**
- SIZE OF BLOCK TO BE A MINIMUM OF 18" THICK.
  - ALL BEDDING TO BE ON UNDISTURBED MATERIAL.

**Fort Lepton** DESIGN STANDARDS STANDARD DRAWING  
**CONCRETE THRUST BLOCK FOR UNBALANCED SURFACES** W5  
 DATE: 8/15/14



- NOTE:** POLYETHYLENE SHALL BE MINIMUM 8-MIL THICKNESS

**Fort Lepton** DESIGN STANDARDS STANDARD DRAWING  
**POLYETHYLENE WRAP** W6  
 DATE: 8/15/14

DRAWN FOR  
 DAVE HART  
 P.O. Box 922  
 Brighton, CO 80007

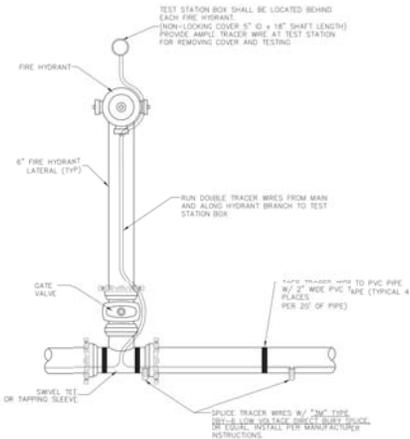
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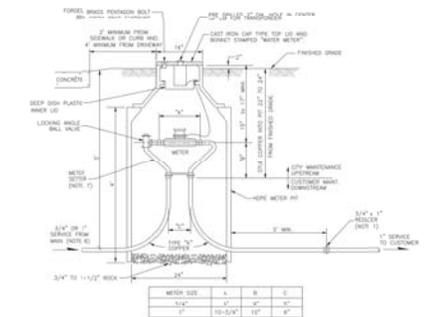
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	DESIGN STANDARDS	STANDARD DRAWING
	TRACER WIRE	W7
		DATE: 8/15/14



METER SIZE	A	B	C
3/4"	12"	12"	12"
1"	12"	12"	12"

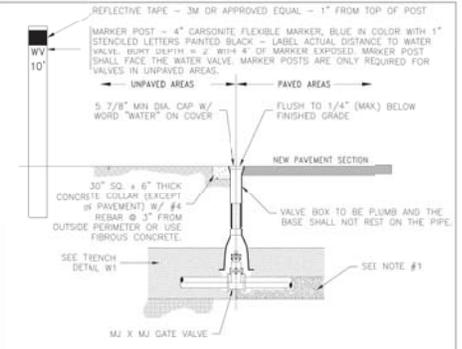
- NOTES:**
1. SERVICE PIPES AFTER THE METER REQUIRES THE APPROVAL OF THE BUILDING DEPARTMENT. FOR SERVICE PIPES LOCATED FROM 5' TO 11' A RESSOR SHALL BE INSTALLED TO STOP ON THE STREET.
  2. ONLY COMPRESSION FITTINGS WILL BE ALLOWED ON SERVICE PIPES FOR APPROVED MANUFACTURERS AND COMPANIES OF FITTINGS MUST BE LISTED IN THE CITY CATALOG.
  3. THIS DETAIL IS NOT INTENDED FOR INSTALLATION IN STREETS, DRIVEWAYS, OR CONCRETE AREAS.
  4. METER PIT SHALL BE LOCATED IN A 600 SQ. INCH AREA WITH A 10" MIN. WEIR UTILITY EASEMENT. NO RESS, SERVICE OR STRUCTURES SHALL BE LOCATED IN THE GRASSY.
  5. SERVICE LINES TO THE METER PIT SHALL BE INSTALLED PERPENDICULAR TO THE WATER MAIN.
  6. FOR 3/4" RESIDENTIAL METER INSTALLATIONS, NEWLY INSTALLED SERVICE LINES FROM MAIN SHALL BE 1" ODDING 5/4" SERVICE LINES MUST BE REVERSED AND APPROVED FOR CONFORMANCE WITH RESIDENTIAL FIRE SPRINKLER SYSTEM REQUIREMENTS.
  7. METER PITS ARE TO BE INSTALLED IN RESIDENTIAL SERVICE LINES FROM MAIN AND TO CUSTOMER METER PIT TO BE INSTALLED.

	DESIGN STANDARDS	STANDARD DRAWING
	3/4" & 1" DOMESTIC METER SETS	W8
		DATE: 8/15/14

**GENERAL NOTES**

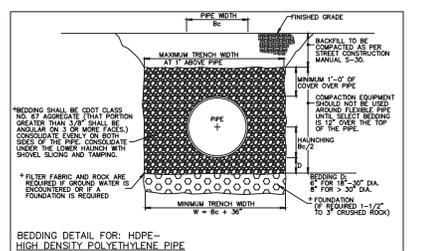
1. NOT FOR INSTALLATION IN ROADWAYS, DRIVEWAYS, PARKING AREAS, SIDEWALKS, OR CONCRETE. EDGE OF METER PIT LID SHALL NOT BE CLOSER THAN 4" FROM EDGE OF DRIVEWAY.
2. IF SURFACE IS NOT TO OFFICIAL GRADE WHEN THE METER IS INSTALLED, THE OWNER MUST RAISE OR LOWER THE PIT, METER SETTER AND ALL OTHER APPURTENANCES TO THE FINAL APPROVED GRADE.
3. METER SHALL BE SET WITHIN PUBLIC R.O.W OR PUBLIC EASEMENT.
4. NO CONCRETE FLOOR TO BE LAID IN METER PIT.
5. METER PIT SHALL BE CONSTRUCTED OF MODIFIED HI-DENSITY POLYETHYLENE.
6. ADJUSTMENT RINGS SHALL BE 2", 3", 4" OR 6" IN HEIGHT AND SHALL BE INVERTED ABOVE THE POLYETHYLENE METER PIT.
7. FOR WATER SERVICE LINES 1" AND LARGER, IF THE METER PIT IS NOT INSTALLED WITHIN THE PUBLIC R.O.W. THEN A CURB STOP AND BOX SHALL BE INSTALLED WITHIN THE PUBLIC R.O.W.

	DESIGN STANDARDS	STANDARD DRAWING
	3/4" & 1" METER NOTES	W9
		DATE: 8/15/14



- NOTES:**
1. CARE SHALL BE TAKEN WHEN INSTALLING VALVES TO ASSURE PROPER SUPPORT OF THE VALVE. THE CITY ENGINEER MAY REQUIRE 3/4" CRUSHED ROCK TO BE INSTALLED UNDER THE VALVE TO PROVIDE PROPER SUPPORT.
  2. VALVES SHALL NOT BE PLACED IN CONCRETE SIDEWALKS, CROSS PANS, GUTTERS, OR OTHER DRAINAGEWAYS.
  3. OPERATING NUTS OR EXTENSIONS SHALL NOT BE SET CLOSER THAN TWO (2) FEET FROM FINAL GRADE. IF THE OPERATING NUT IS DEEPER THAN FIVE (5) FEET FROM FINAL GRADE, PROVIDE A 1 1/4" EXTENSION SHAFT W/ CENTERING RING. OPERATOR EXTENSIONS SHALL BE CONNECTED TO THE VALVE OPERATOR NUT USING A PIN. THE EXTENSION SHAFT SHALL INCLUDE A 1/4" THICK TRASH RING LOCATED 6" BELOW THE NON-RISING PORTION OF THE VALVE BOX. THE DIAMETER OF THE TRASH RING SHALL BE 1/8" LESS THAN THE INSIDE DIAMETER OF THE VALVE BOX.
  4. GATE VALVE SHALL BE POLYETHYLENE WRAPPED (8 MIL).
  5. CONCRETE COLLARS & MARKER POSTS ARE REQUIRED WHEN VALVE IS LOCATED IN AN UNPAVED AREA.
  6. VALVE BOXES ARE TO BE BROUGHT UP TO GRADE AT THE TIME OF PAVEMENT PLACEMENT OR OVERLAY. VALVE BOX ADJUSTING RINGS ARE NOT ALLOWED.

	DESIGN STANDARDS	STANDARD DRAWING
	VALVE BOX	W1
		DATE: 8/15/14



**BEDDING DETAIL FOR: HDPE-HIGH DENSITY POLYETHYLENE PIPE**

DRAWN FOR  
DAVE HART  
P.O. Box 922  
Brighton, CO 80601

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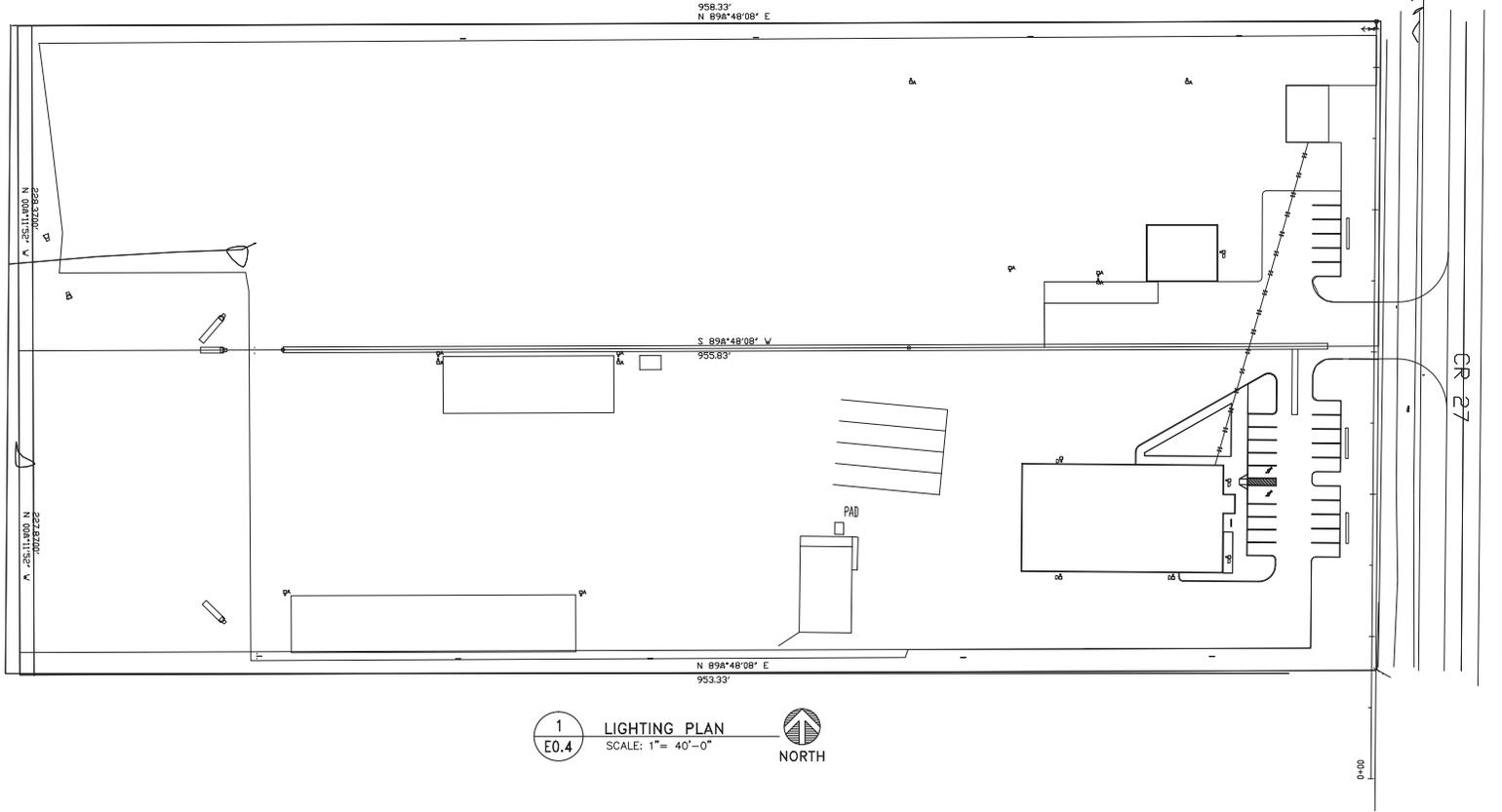
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**PCD ENGINEERING SERVICES**

323 THIRD AVE, #100, LONGMONT, CO 80501  
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REVISIONS		
DATE	DESCRIPTION	NO.
09/20/2016	ISSUE FOR PERMIT	0

PROJECT TITLE: DAVE'S EARTHWORKS INC

PROJECT NAME: DAVE HUNT

OWNER: DENVER AVE

ADDRESS: FORT LUPTON CO

DRAWN BY: AW

CHECKED BY: KC

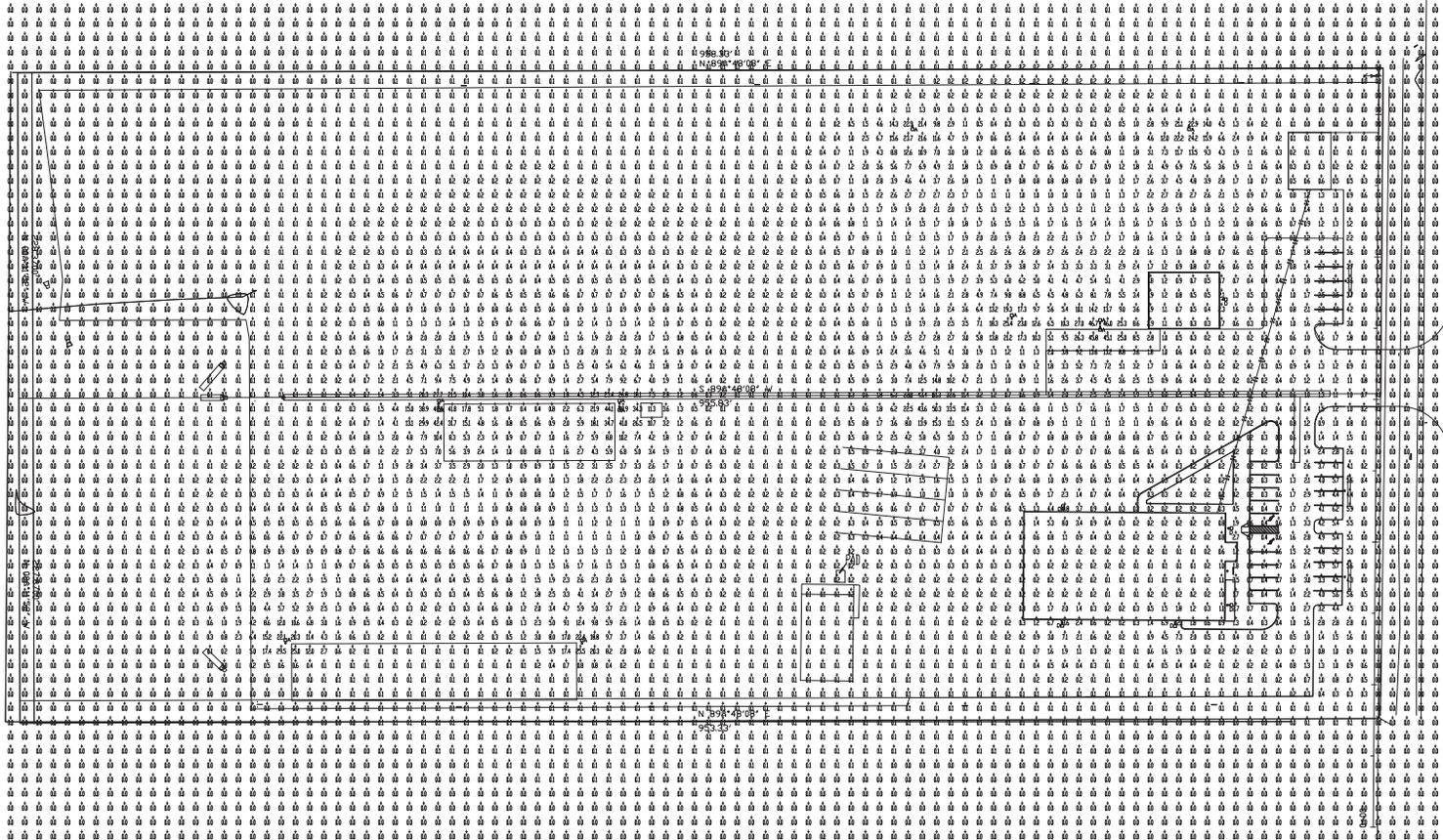
PROJECT NO: 16049

DATE: 09/20/2016

SHEET TITLE: LIGHTING PLAN

E.03

DATE: 01/20/2016 1:28 PM



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E0.4 PHOTOMETRIC PLAN  
SCALE: 1"= 40'-0"  
NORTH

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REVISIONS		
DATE	DESCRIPTION	NO.
09/20/2016	ISSUE FOR PERMIT	0

PROJECT NAME: DAVE'S EARTHWORKS INC  
 OWNER: DAVE HUNT  
 ADDRESS: DENVER AVE FORT LUPTON CO

PROJECT TITLE: PHOTOMETRIC PLAN  
 SHEET TITLE: E.04

DRAWN BY: AW  
 CHECKED BY: KC  
 PROJECT NO: 16049  
 DATE: 09/20/2016