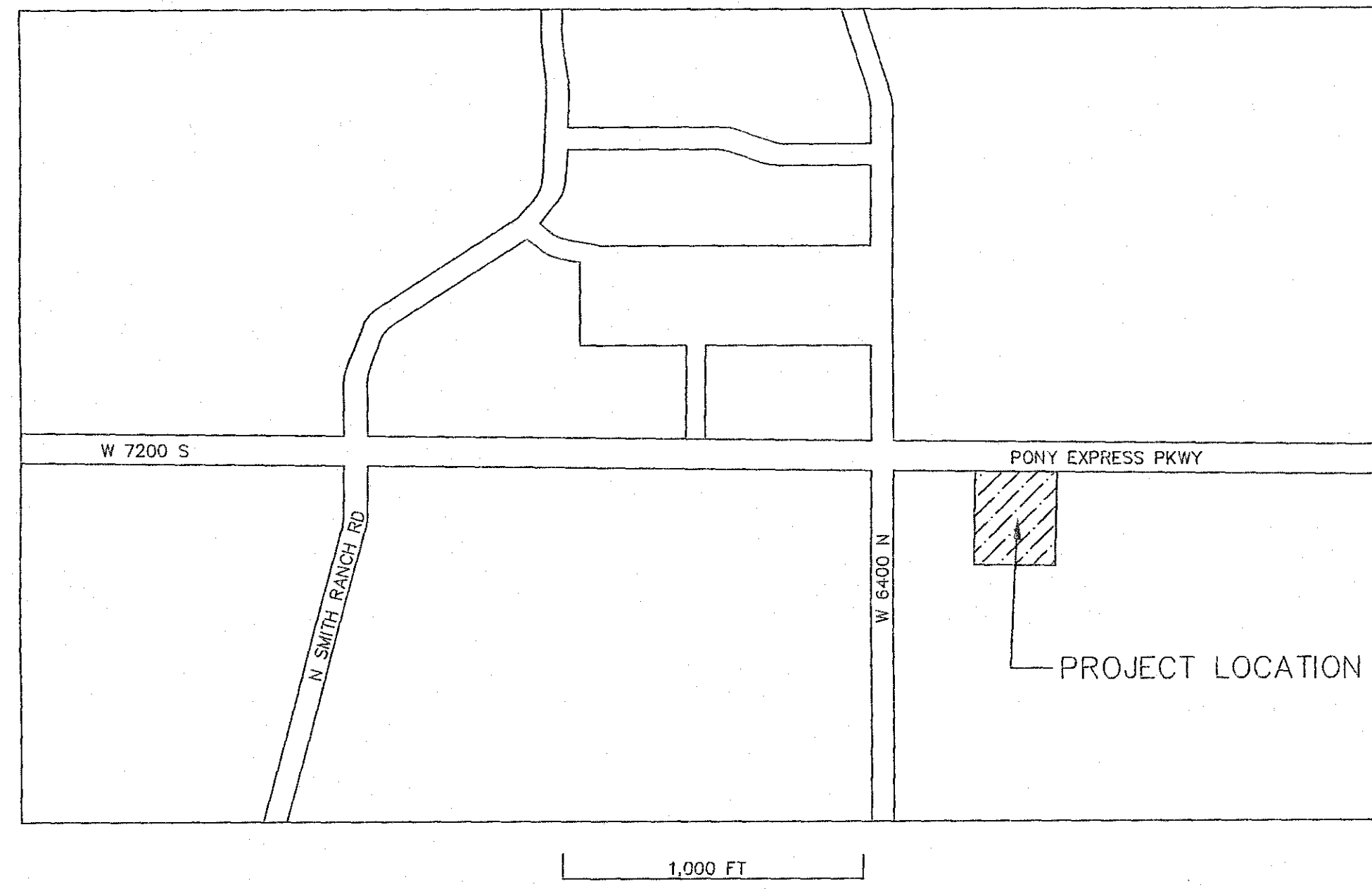


# DOLLAR TREE Eagle Mountain, UT

PROJECT ENGINEER:  
NAME:  
LARVIN POLLOCK  
ELEVATE ENGINEERING  
ADDRESS:  
492 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
(801) 718-5993  
LARVIN@ELEVATEENG.COM

DEVELOPER:  
NAME:  
RYAN FORSYTH  
LEADING TECH DEVELOPMENT  
ADDRESS:  
477 SOUTH MAIN STREET  
BRIGHAM CITY, UT 84302  
(801) 489-6188  
RFORSTH@LEADINGTECHONLINE.COM

VICINITY MAP



## INDEX

- C-0 Cover Sheet
- C-1 Site Plan
- C-1.1 Context Plan
- C-2 Grading and Drainage Plan
- C-3 Utility Plan
- C-4 Standard Details
- C-4.1 Standard Details
- C-5 Stormwater Pollution Prevention Plan
- C-6 SWPPP Details
- L-1 Landscape Plan
- P-1 Photometric Plan
- P-2 Photometric Plan
- P-3 Photometric Plan
- A.2 Elevations
- Signage Plans

### Eagle Mountain City General Notes for construction drawings:

- SEWER-**
- Pipe bedding: 3/4" gravel required 6" below, on the sides & 12" above the pipe (minimum).
  - Depth: Sewer main/laterals to maintain 4' of cover (minimum) from finished grade, 3' minimum from top of pipe at time of installation.
  - Separation: sewer mains & laterals to maintain 10' separation (minimum) from culinary water mains & laterals.
  - Sewer Y's: 3' minimum separation between sewer Y's.
  - Lateral stubs: A) stubs must extend 15' into property and be marked with 2x4 painted green. B) All laterals must be GIS (shot in) at the Y's and stubs. Also slopes (2% min. on 4" pipe) to be checked before backfill.
  - Manholes: manholes to be within 1' of finished grade. 12" of whirly gig form (max) and no flat rings allowed. 12" of 3/4" gravel required under manholes/boxes.

- WATER-**
- Valves: 1. Valves must be flanged to tee's (fittings). 2. Valves 12" and larger to be butterfly valves.
  - Bedding: sand must meet AASHTO (A-3) gradation with 100% passing the #4 sieve. 6" below pipe on the sides & 12" above pipe (minimum).
  - Depth: water main & laterals must maintain 4' cover from finished grade (minimum), 3' minimum from top of pipe at time of installation. Max depth 72" from finished grade.
  - Services & fittings: services & fittings to maintain 3' minimum separation from pipe joints and other fittings.
  - Setters: all setters to be 21" tall (minimum), have unions at the base and be dual check model, also 3/4" setters to have double braces. Setters to be set at: 18" to 22" from the top of setter to top of lid. 21" inside diameter can HDPE.
  - Water can lid: all lids to say "Eagle Mountain" on them recessed with a hole for the ERT and to be set at level to 1" above the plane of the curb & sidewalk.
  - Water Can: the water can for 3/4" & 1" services will need to be a 21" tall minimum and inside diameter. Water can for 1-1/2" to 2" service will follow APWA specification.
  - Hydrants: hydrants to be 5' bury (minimum).
  - Laterals: all laterals need to be GIS (shot in) at the corp. stop & setter, and also visual inspection on poly inserts before backfill. Water laterals to extend 15' into property and be marked with a 2x4 painted blue. All poly lines to have visual poly insert inspection.
  - Tracer wire: run tracer wire along main & extend up setters and hydrants, do not run up valve boxes.
  - Water fittings: all water fittings to be checked for thrust blocks (pre & post) and GIS (shot in) before backfill.
  - Vertical separation: water main to maintain 18" minimum separation from storm drain or other obstacles/utilities.
  - Water line fittings: all fittings to have mega lug followers.
  - Water Main Line: NO DEFLECTION or bending of pipe will be allowed in the water lines and bend fittings will be required. All fittings to be Mega-lug fittings.

- STORM DRAIN-**
- Bedding: 3/4" gravel 6" below and on sides of pipe & 12" above pipe (minimum).
  - ADS: all ADS pipe to be "HP" brand.
  - Collars: collars to be 1' x1' around pipe, 4000 psi concrete, inspection is needed pre & post collar pour.
  - Manholes: manholes to be within 1' of finished grade. 12" of whirly gig form (max) and no flat rings allowed. 12" of 3/4" gravel required under manholes/boxes.
- ROAD SECTION-**
- Proof rolls: proof roll required on all sections of road: i.e. sub-grade, sub-base, and curb base and road base. Curb stakes required for sub-grade inspection and string line required for sub-base and road base inspection.
  - UTBC: state spec. road base required for all roads, commercial base acceptable for the sidewalks & trails.
  - Collars: all collars to be 1' wide by 1' deep with a 6000 psi concrete with 1.5# fiber mesh per cubic yard (3/4" monofilament) required for all street collars. Manhole covers and water valve towers to be 1/2" down from asphalt edge and concrete to be 1/4" to 3/8" down from asphalt edge.

## LEGEND & ABBREVIATION TABLE

R.O.W./PROPERTY LINE	---	EXISTING CURB AND GUTTER	---
EASEMENT LINE	---	PROPOSED CURB AND GUTTER	---
CENTER LINE	---	INVERT ELEVATION	I.E.
PROPOSED TRAIL	---	TOP BACK CURB	TBC
PROPOSED WATER LINE	W-W-W	TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION	PI-PI-PI	TOP OF GRATE	TOG
PROPOSED GROUND WATER DRAIN	GW-GW-GW	FINISHED GRADE	FG
PROPOSED SEWER LINE	SS-SS-SS	TOP OF CONCRETE	TC
PROPOSED STORM DRAIN LINE	SD-SD-SD	HIGH WATER ELEVATION	HWE
EXISTING SEWER LINE	SS SS	CATCH BASIN	CB
EXISTING WATER LINE	W W	SURFACE FLOW DIRECTION	→
EXISTING STORM DRAIN LINE	SD SD	PROPOSED STREET LIGHT	☼
EXISTING CONTOUR	42.47	STORM DRAIN MANHOLE	⊙
FINISHED CONTOUR	47.00	SANITARY SEWER MANHOLE	⊙
		PROPOSED WATER VALVE	⊗

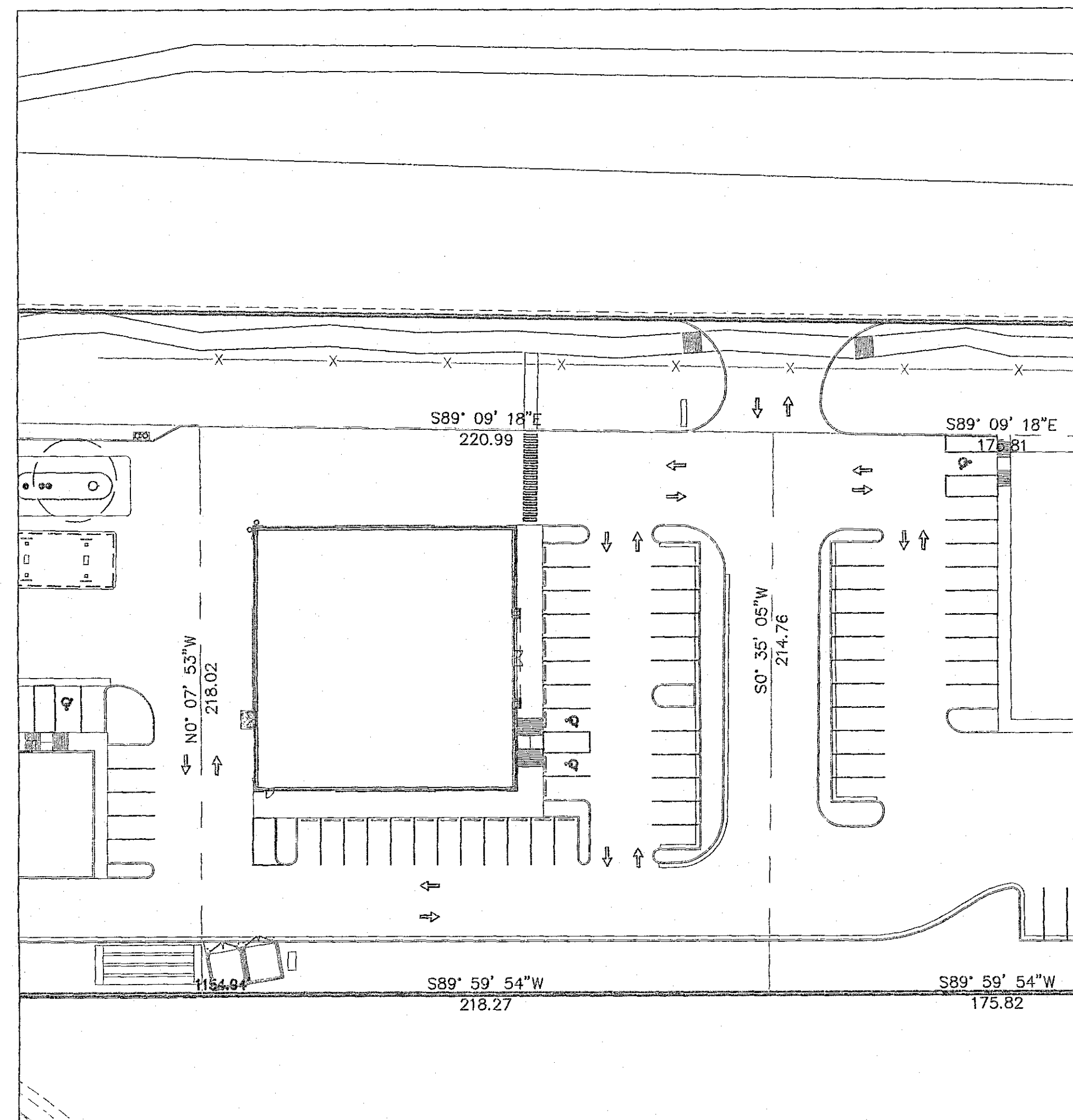
### SITE DATA

DOLLAR TREE LOT AREA:	43,653	SF (1.00 ACRES)
BUILDING AREA:	10,000	SF± 24.0%
PAVEMENT AREA:	28,571	SF± 65.5%
LANDSCAPE AREA:	5,082	SF± 10.5%

ZONING: COMMUNITY COMMERCIAL  
PERMITTED USE

**EAGLE MOUNTAIN CITY  
APPROVED**

City Engineer      Planning Director  
By: *[Signature]*      *[Signature]*  
Date: 12/15/2020      12/24/2020



SITE MAP  
1" = 40'

BY DATE

REVISIONS

NO.

ELEVATE ENGINEERING  
492 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
PHONE: (801) 718-5993  
larvin@elevateeng.com

**ELEVATE**  
ENGINEERING

DOLLAR TREE EAGLE MOUNTAIN  
ENGINEERING COVER SHEET PLANNING  
6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005

PROFESSIONAL ENGINEER  
0/28/20  
10864/57  
LARVIN  
POLLOCK  
STATE OF UTAH

SHEET:  
C-0

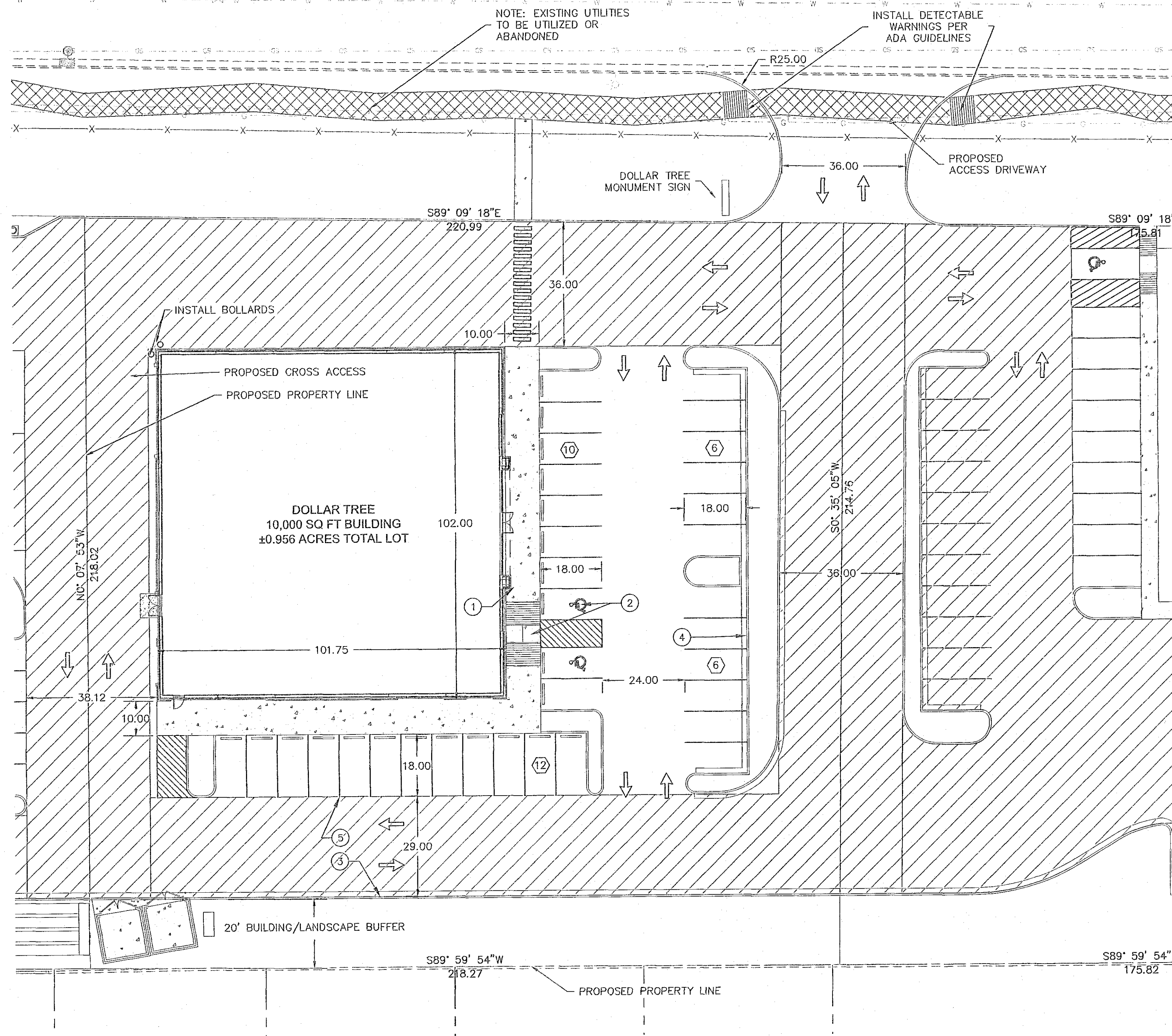
DATE: Oct 28, 2020

NOTE: ALL APPLICABLE ELEMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES WILL BE ADHERED TO.

PROJECT ENGINEER:  
NAME:  
LARVIN POLLOCK  
ELEVATE ENGINEERING  
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(801) 718-5993  
LARVIN@ELEVATEENG.COM

# PONY EXPRESS PARKWAY

(18,000 VEHICLES PER DAY)



## LEGEND

LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	====
PROPOSED CURB AND GUTTER	====
EXISTING FENCE	-x-
INVERT ELEVATION	IE
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
PROPOSED	PROP
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
LANDSCAPE AREA	[Pattern]
CONCRETE AREA	[Pattern]
SHARED DRIVE ISLE	[Pattern]

**SITE DATA**

DOLLAR TREE LOT AREA:	47,524	SF (1.09 ACRES)
BUILDING AREA:	10,000	SF ± 21.0%
PAVEMENT AREA:	31,734	SF ± 66.8%
LANDSCAPE AREA:	5,790	SF ± 12.2%

ZONING: COMMUNITY COMMERCIAL PERMITTED USE

**BUILDING DATA**

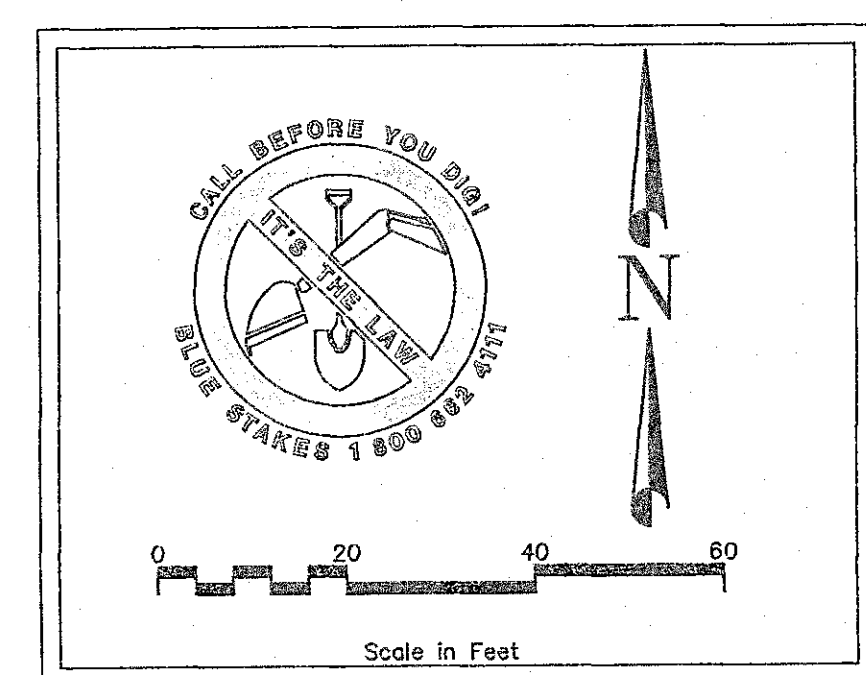
CONSTRUCTION TYPE: V-B  
 SPRINKLERS: NO  
 SETBACKS:  
 FRONT=20 FEET  
 REAR=20 FEET  
 SIDE=0

**PARKING TABULATION (DOLLAR TREE)**

REQUIRED:	1 STALL PER 300 SQ. FT. (33 STALLS)
PROVIDED:	34 STALLS 2 ADA STALLS

- NOTES:**
- PROPOSED 10' INTEGRAL WALK & CURB PER DETAIL 1, SHEET C-4.
  - ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER ADA AND APWA STANDARDS. SEE SHEET C-4 FOR DETAILS.
  - PROPOSED CURB & GUTTER TYPE E PER APWA STANDARD PLAN 205. SEE SHEET C-4 FOR DETAILS.
  - PROPOSED CURB TYPE P PER APWA STANDARD PLAN 209. SEE SHEET C-4 FOR DETAILS.
  - PAINT 4" SOLID YELLOW PAINT STRIPE AS SHOWN (TYPICAL).
  - PROPOSED DUMPSTER LOCATION. SEE SHEET C-4.

- GENERAL NOTES:**
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
  - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
  - ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
  - ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
  - ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
  - SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
  - ALL WORK TO BE ACCORDING TO CITY STANDARDS.



BY DATE	
REVISIONS	
NO.	

DESIGNER: DL  
PROJECT ENGINEER: LP

ELEVATE ENGINEERING  
492 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
LARVIN@ELEVATEENG.COM

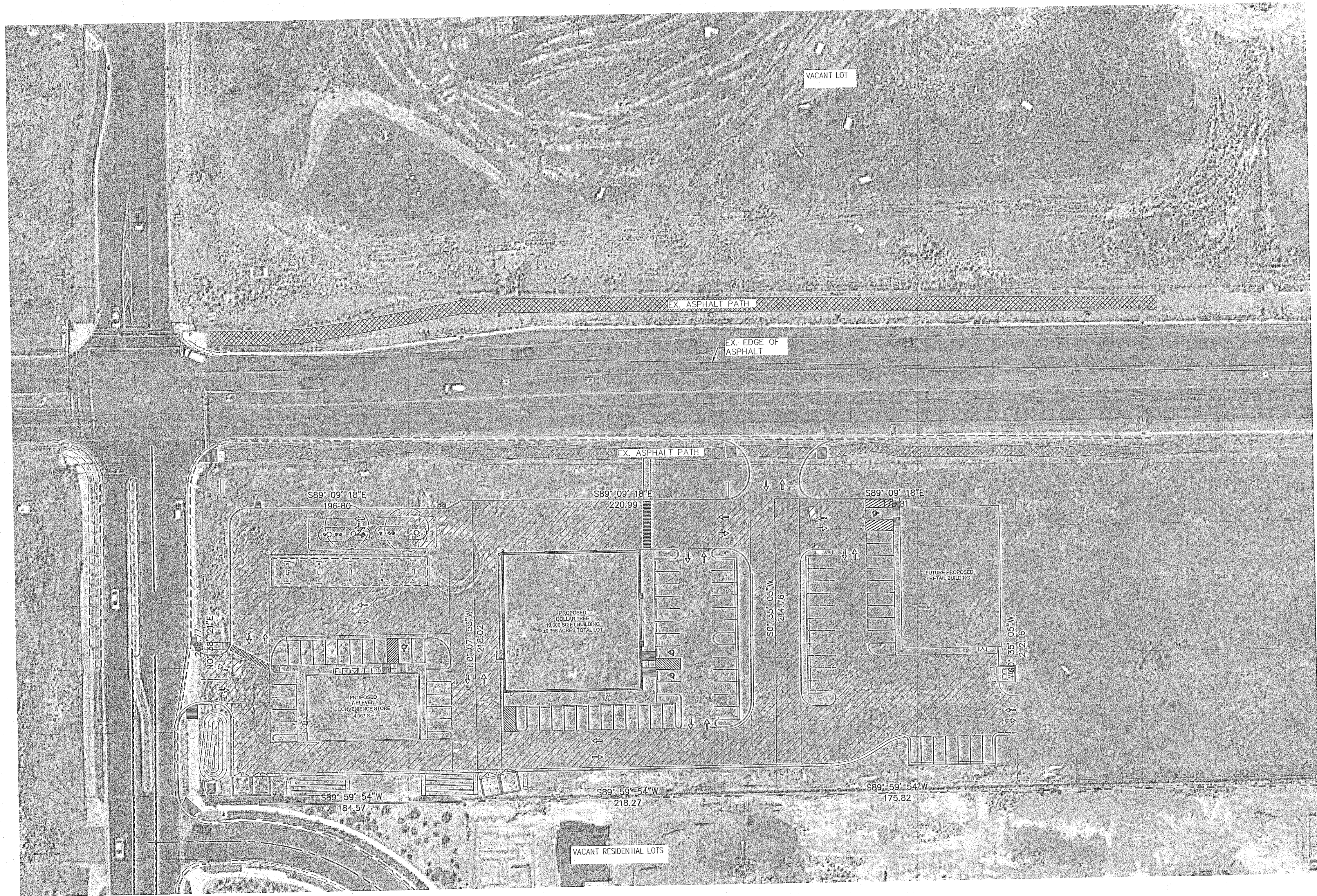
# ELEVATE

ENGINEERING

DOLLAR TREE EAGLE MOUNTAIN  
SITE PLAN  
6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005

PROFESSIONAL ENGINEER  
10/28/20  
10964737  
LARVIN POLLOCK  
STATE OF UTAH

SHEET: C-1  
DATE: Oct 28, 2020



## LEGEND

LOT LINES (PROPERTY)	
EXISTING CURB AND GUTTER	
PROPOSED CURB AND GUTTER	
EXISTING FENCE	
EXISTING BUILDING	
INVERT ELEVATION	IE
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
PROPOSED	PROP
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
LANDSCAPE AREA	
CONCRETE AREA	
SHARED DRIVE AISLE	

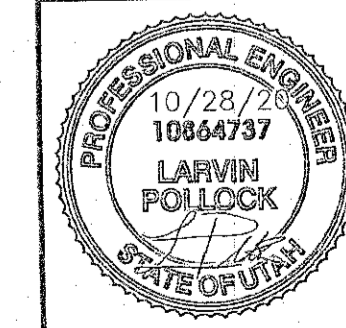
NO.	REVISIONS	BY	DATE

**ELEVATE ENGINEERING**  
 492 WEST 1200 NORTH  
 SPRINGVILLE, UT 84663  
 PHONE: (801) 716-6993  
 lar@elevateeng.com

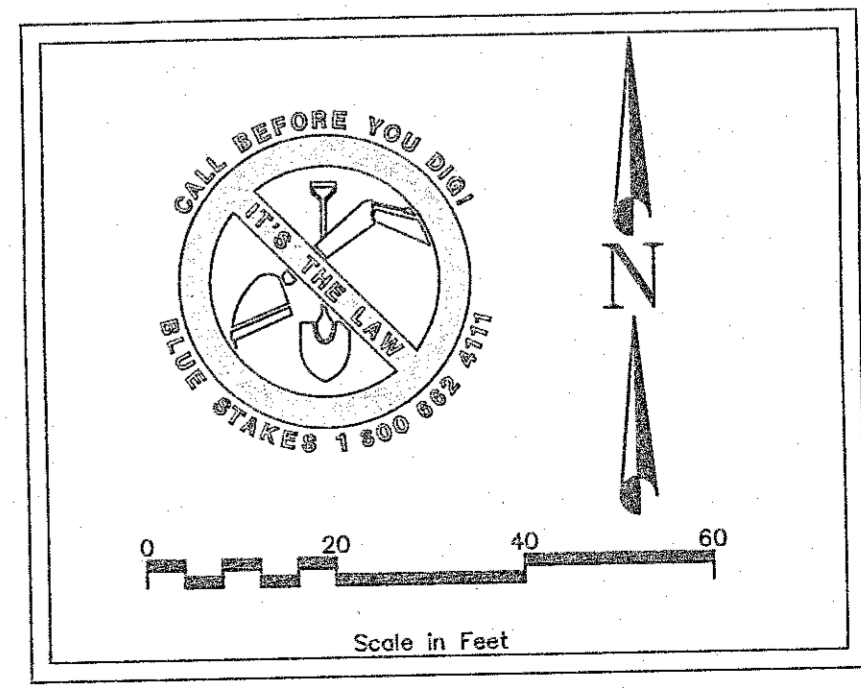
# ELEVATE

ENGINEERING

DOLLAR TREE EAGLE MOUNTAIN  
 CONTEXT PLAN  
 6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005



SHEET:  
**C-1.1**  
 DATE: Oct 28, 2020



Orifice Plate "C" Calculations			
Q=CAsqrt(2gh)			
Q=	0.41	cfs	
H=	4.00	ft (from high water elev. to orifice elev.)	
A=	0.042	ft <sup>2</sup>	
g=	32.2	ft/s <sup>2</sup>	= 6.10 in <sup>2</sup>
C=	0.6		Diameter = 6.5 inches

DETENTION	VOL (cf)
POND	1111
UNDERGROUND 1	2191
UNDERGROUND 2	664
<b>STORAGE REQUIRED</b>	<b>3782</b>
<b>TOTAL STORAGE</b>	<b>3966</b>

DRAINAGE CALCS FOR 7-ELEVEN EAGLE MOUNTAIN				DRAINAGE CALCS FOR DOLLAR TREE EAGLE MOUNTAIN			
80th Percentile Retention Storm Design				80th Percentile Retention Storm Design			
Release Rate= 0.00 cfs/acre				Release Rate= 0.00 cfs/acre			
POST-DEVELOPED				POST-DEVELOPED			
Runoff Coefficient				Runoff Coefficient			
Roof Area	4067 ft <sup>2</sup>	C <sub>roof</sub>	0.80	Roof Area	10000 ft <sup>2</sup>	C <sub>roof</sub>	0.80
Paved Area	31507 ft <sup>2</sup>	C <sub>paved</sub>	0.95	Paved Area	22114 ft <sup>2</sup>	C <sub>paved</sub>	0.95
Landscaped	3959 ft <sup>2</sup>	C <sub>landscaped</sub>	0.35	Landscaped	4381 ft <sup>2</sup>	C <sub>landscaped</sub>	0.35
Total Area	45244 ft <sup>2</sup>	Weighted C	0.81	Total Area	41695 ft <sup>2</sup>	Weighted C	0.85
1.94 acres		CA:	39642 ft <sup>2</sup>	0.96 acres		CA:	35481 ft <sup>2</sup>
Depth Per Acre	0.52 in/acre			Depth Per Acre	0.52 in/acre		
Total Retention Volume	2653 CF			Total Retention Volume	1729 CF		

# LEGEND

LOT LINES (PROPERTY)

EXISTING CURB AND GUTTER

PROPOSED CURB AND GUTTER

PROPOSED STORM DRAIN LINE

EXISTING STORM DRAIN LINE

EXISTING FENCE

GRADE BREAK

FINISH GRADE CONTOUR LINES

EXISTING GRADE CONTOUR LINES

FINISH GRADE SLOPE

GRADE BREAK

INVERT ELEVATION

TOP OF GRATE

TOP OF ASPHALT

TOP BACK OF CURB

PROPOSED

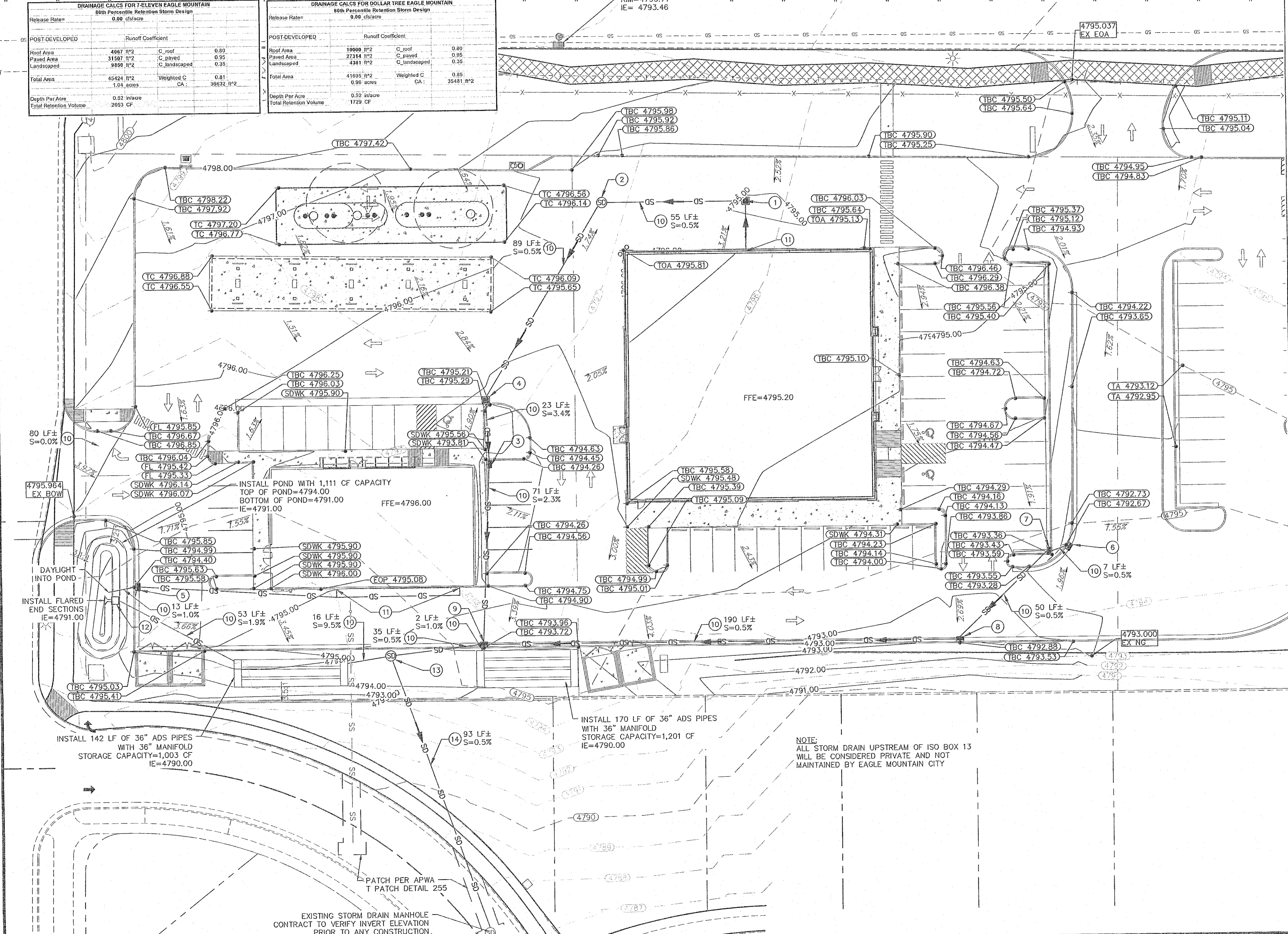
EXISTING

FINISHED GRADE

FINISHED FLOOR ELEVATION

BACK OF SIDEWALK

- ### DESIGN NOTES:
- INSTALL 3x3 CLEANOUT BOX W/ GRATE PER APWA PLAN 331. SEE SHEET C-5 FOR DETAILS. RIM=4794.90 IE=4791.90
  - INSTALL 48" MANHOLE PER APWA PLAN 411 WITH LID. SEE SHEET C-5 FOR DETAILS. RIM=4795.61 IE=4791.62
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4793.31 IE=4790.31
  - INSTALL 3x3 CLEANOUT BOX W/ GRATE PER APWA PLAN 331. SEE SHEET C-5 FOR DETAILS. RIM=4794.61 IE=4791.17
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4793.90 IE=4791.90
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4792.17 IE=4789.90
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4792.86 IE=4789.86
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4792.66 IE=4789.61
  - INSTALL CURB INLET BOX PER APWA PLAN 315. SEE SHEET C-5 FOR DETAILS. RIM=4793.22 IE=4789.98 IE N/E/W=4788.66
  - INSTALL 12" ADS STORM PIPE
  - ROOF DRAINS TO CONNECT TO STORM DRAIN SYSTEM WITH 6" ROOF DRAIN PIPE.
  - INSTALL 3'x3' OUTLET STRUCTURE WITH 3.1" ORIFICE PLATE ON OUTLET PIPE. RIM=4793.00 IE=4791.00
  - INSTALL ISO BOX WITH 2.7" ORIFICE PLATE AND SNOOT ON OUTLET PIPE. RIM=4794.50 IE=4788.48 BOTT=4785.50
  - INSTALL 15" ADS HP STORM PIPE



NOTE:  
ALL STORM DRAIN UPSTREAM OF ISO BOX 13  
WILL BE CONSIDERED PRIVATE AND NOT  
MAINTAINED BY EAGLE MOUNTAIN CITY

CALL BEFORE YOU DIG  
BLUE STAKES 1 800 882 8716

Scale in Feet

BY: DATE: \_\_\_\_\_

REVISIONS: \_\_\_\_\_

NO. \_\_\_\_\_

PROJECT ENGINEER: LP

DESIGNER: DL

ELEVATE

ENGINEERING

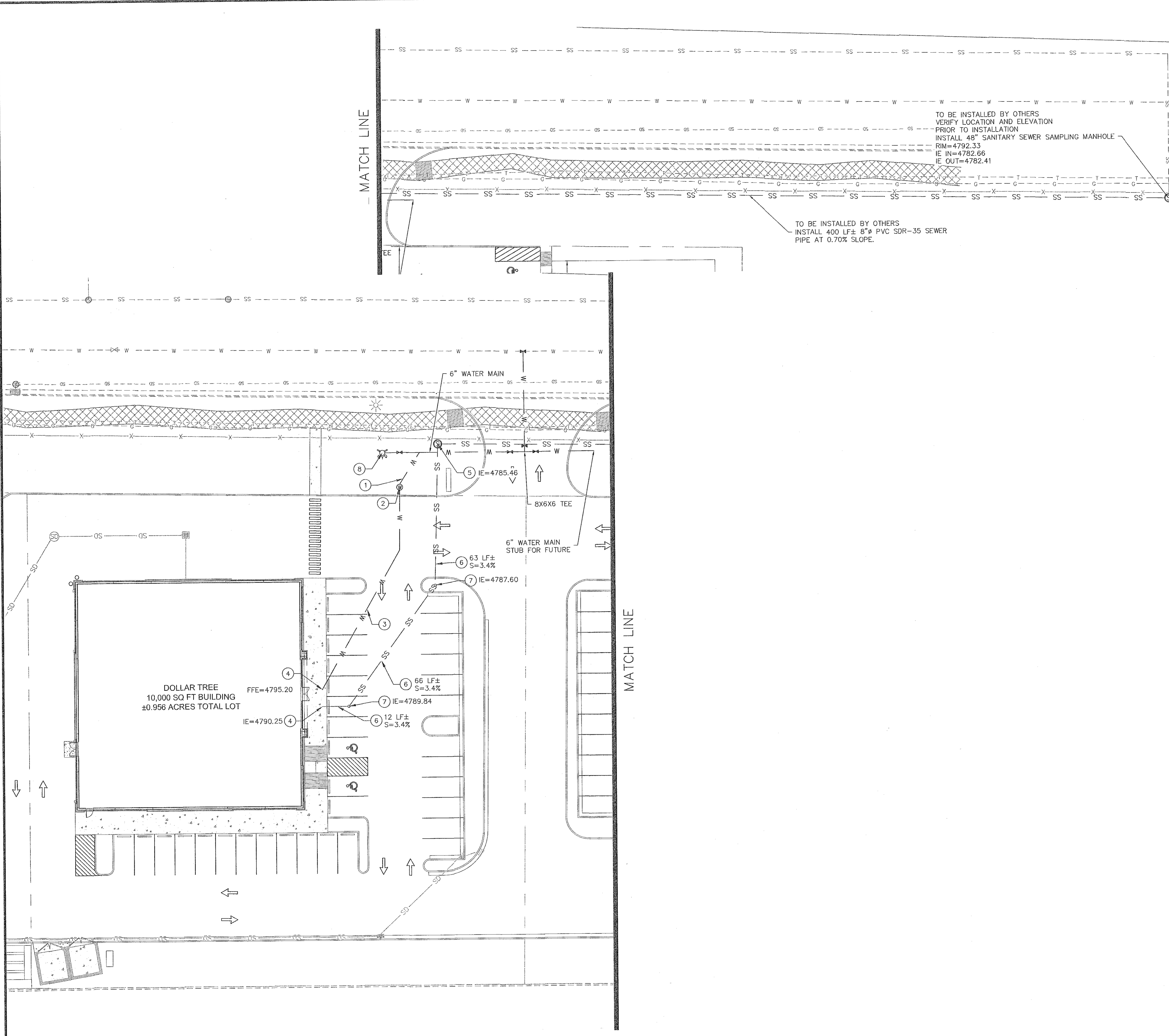
DOLLAR TREE EAGLE MOUNTAIN  
GRADING AND DRAINAGE PLAN

6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005

PROFESSIONAL ENGINEER  
10/28/20  
10864797  
LARVIN  
POLLOCK  
STATE OF UTAH

SHEET: **C-2**

DATE: Oct 28, 2020



# LEGEND

PROPERTY/ROW LINE	---
EXISTING CURB AND GUTTER	---
PROPOSED CURB AND GUTTER	---
PROPOSED STORM DRAIN LINE	SD
EXISTING STORM DRAIN LINE	SD
PROPOSED SEWER LINE	SS
EXISTING SEWER LINE	SS
PROPOSED WATER LINE	W
EXISTING WATER LINE	W
EXISTING FENCE	---
EXISTING GAS	G
EXISTING POWER	UGP
EXISTING IRRIGATION VALVE BOX	■
EXISTING ELECTRIC METER	■
INVERT ELEVATION	IE
PROPOSED	PROP
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE

### DESIGN NOTES:

- 2" WATER SERVICE CONNECTION TO EXISTING WATER MAIN PER CITY STANDARDS.
- INSTALL 2" METER BOX IN PER CITY STANDARDS.
- INSTALL 2" POLY WATER LINE PER CITY STANDARDS.
- END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- INSTALL 48" SANITARY SEWER SAMPLING MANHOLE PER APWA PLAN 411. SEE SHEET C-5 FOR DETAILS.  
RIM=4795.80  
IE IN=4786.03  
IE OUT=4785.78
- INSTALL 4" PVC SDR-35 SEWER PIPE AT 2.0% MIN. SLOPE.
- INSTALL 4" CLEANOUT PER EAGLE MOUNTAIN DWG SLSC-1. SEE SHEET C-4 FOR DETAILS.
- INSTALL FIRE HYDRANT & CONNECT TO EXISTING WATER MAIN PER EAGLE MOUNTAIN CITY STANDARDS.

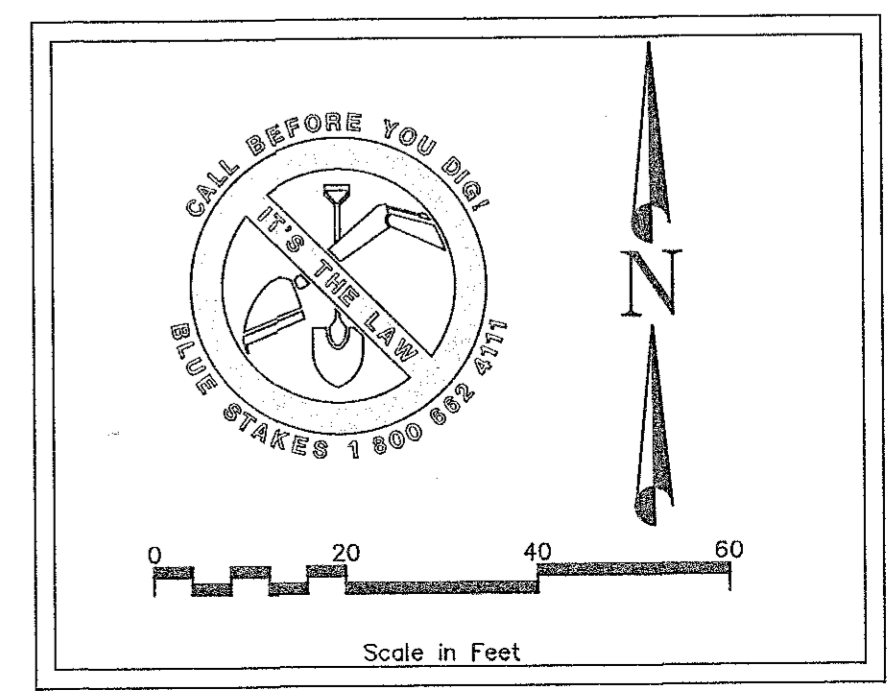
### GENERAL NOTES:

- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
- ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
- ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
- ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
- SEE GRADING AND DRAINAGE PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
- ALL WORK TO BE ACCORDING TO CITY STANDARDS.

### PRIVATE UTILITIES

CONTRACTOR TO CONTACT THE FOLLOWING COMPANIES PRIOR TO ANY CONSTRUCTION. EXACT LOCATION OF THESE UTILITIES TO BE DESIGNED AND COORDINATED BY THE FOLLOWING COMPANIES.

- DOMINION ENERGY - 801-853-6597
- ROCKY MOUNTAIN POWER - 801-756-1310
- CENTURY LINK - 801-536-6975



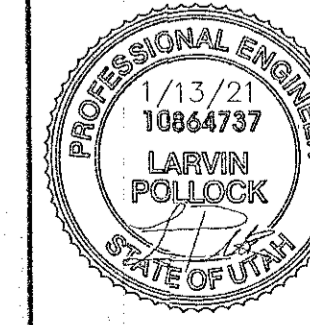
NO.	REVISIONS	BY	DATE

ELEVATE ENGINEERING  
482 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
PHONE: (801) 766-9883  
info@elevateeng.com

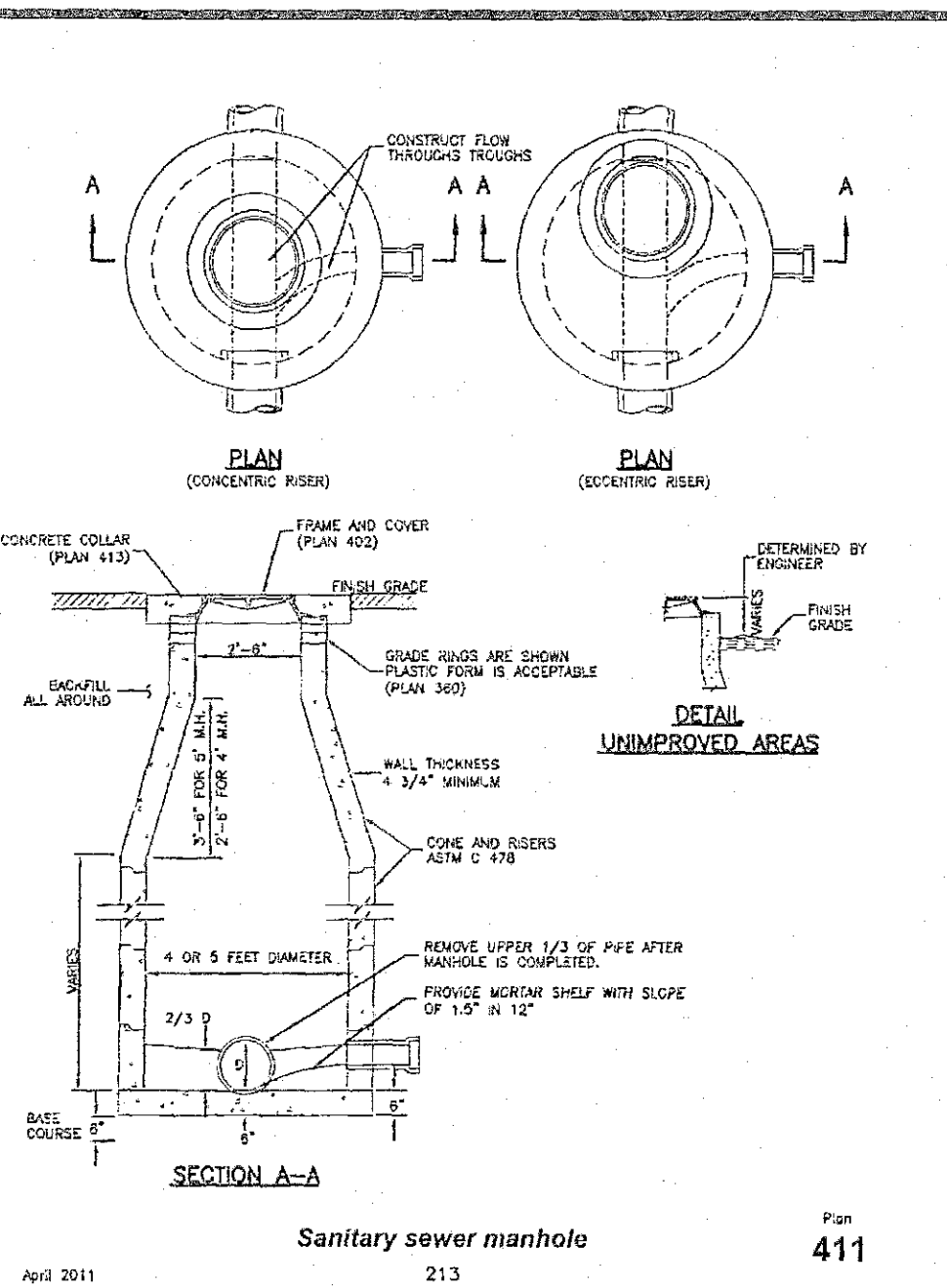
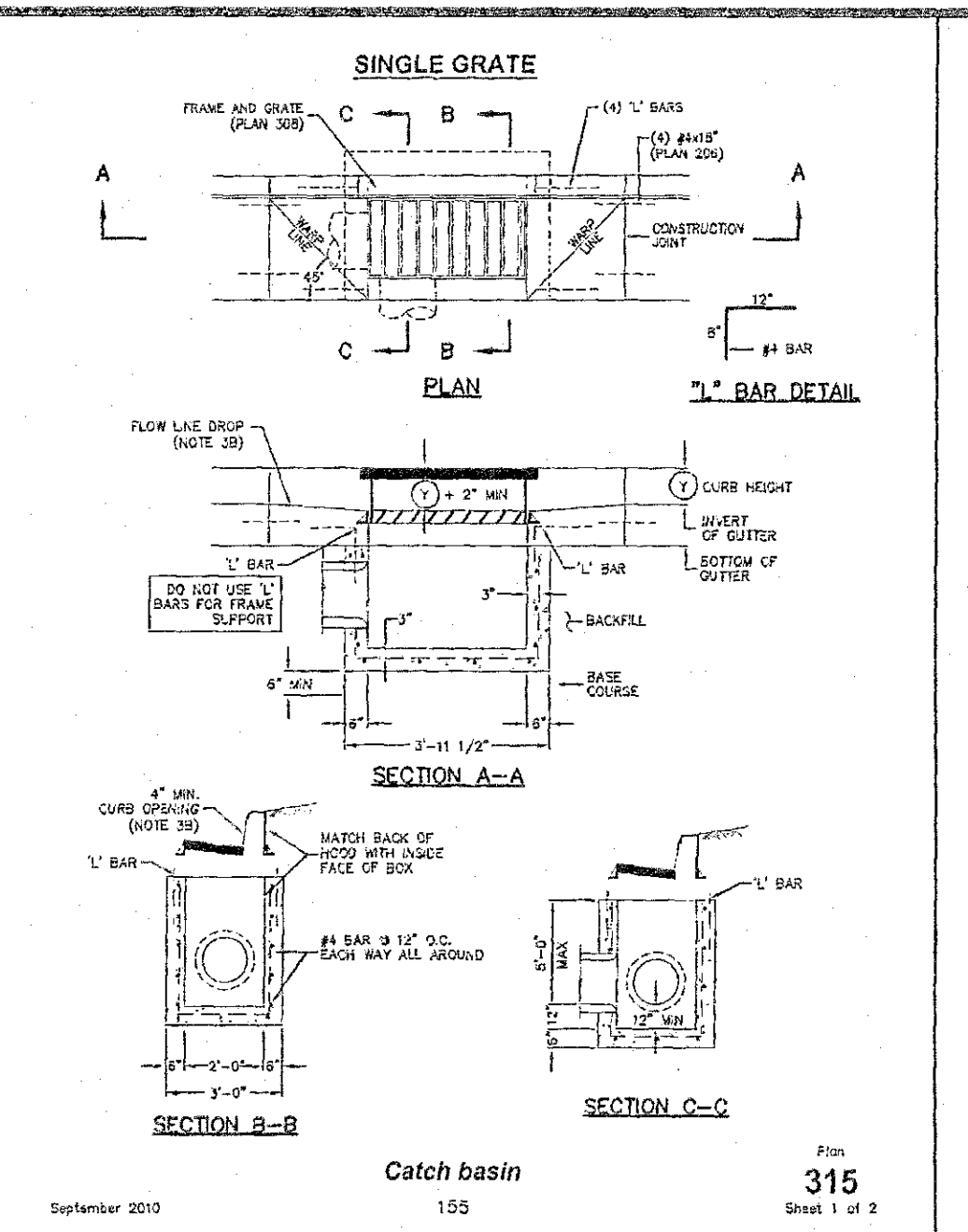
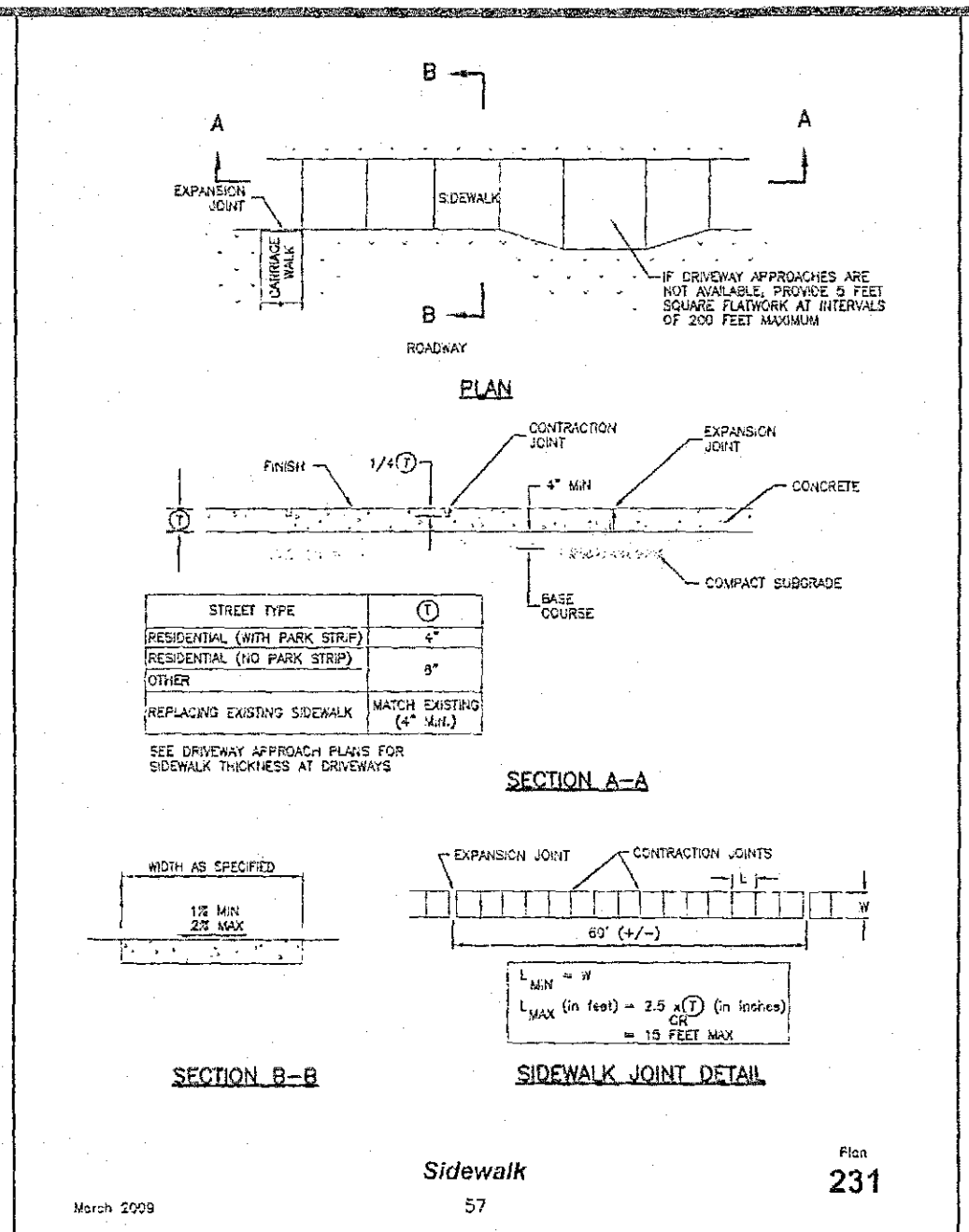
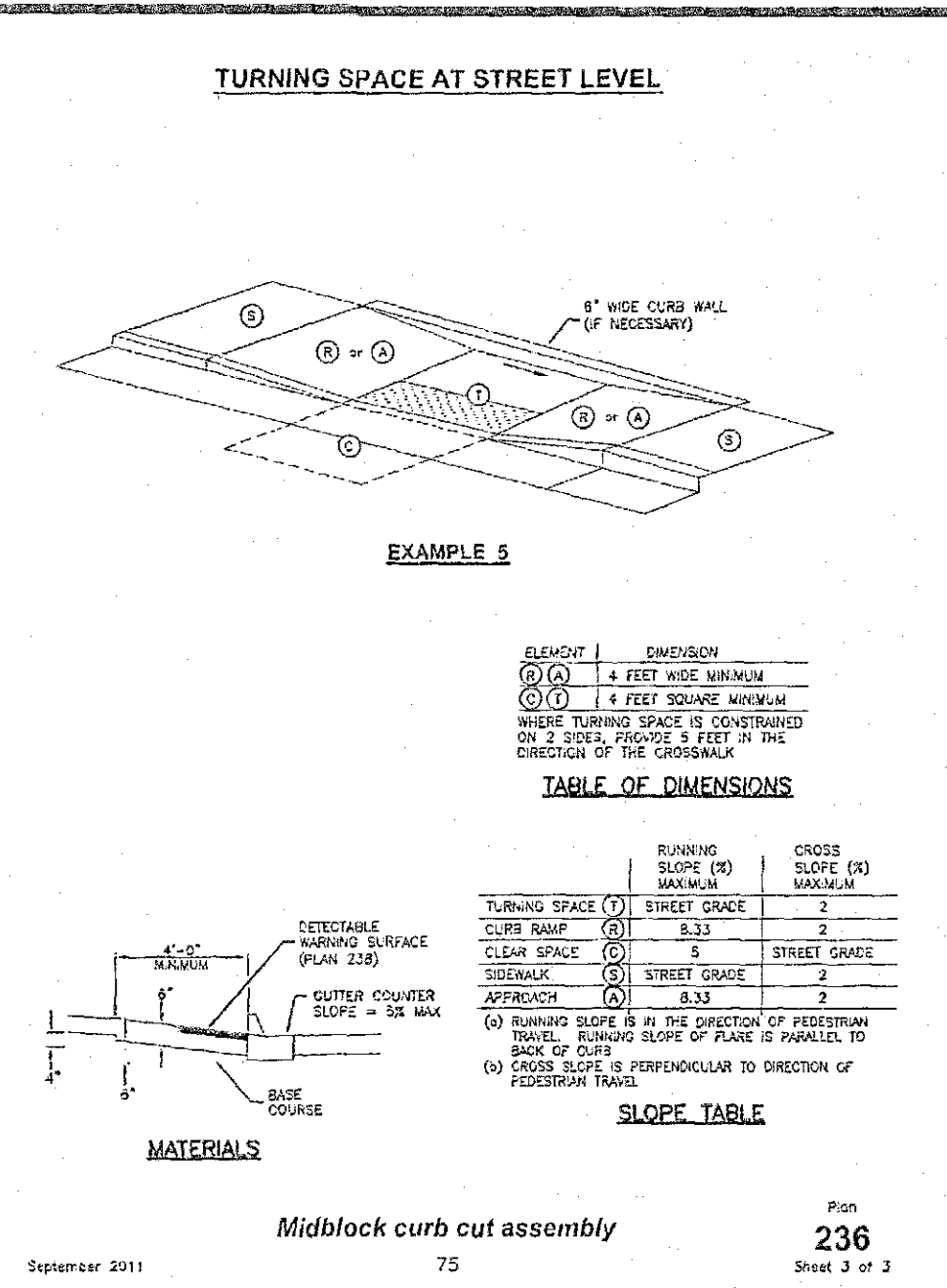
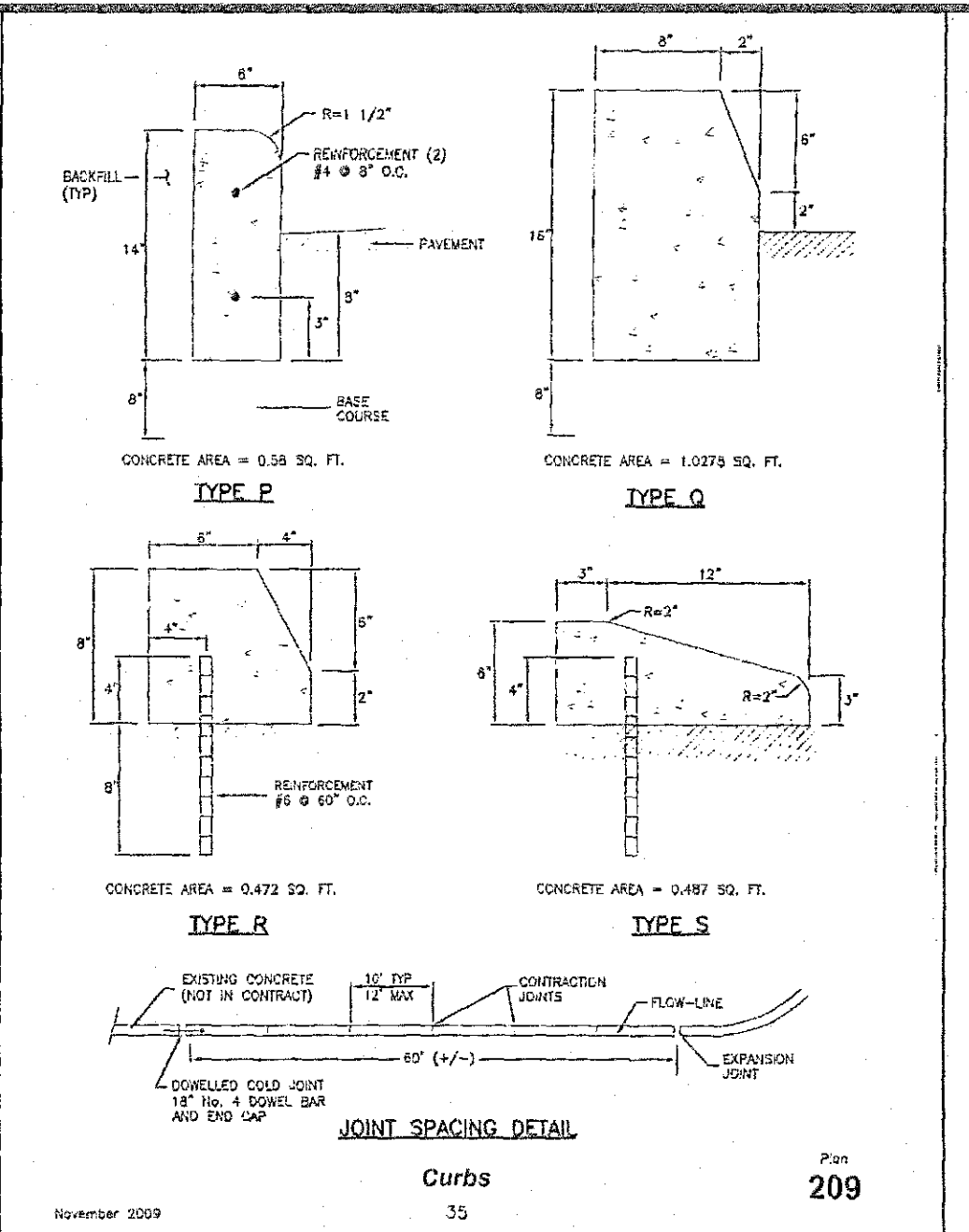
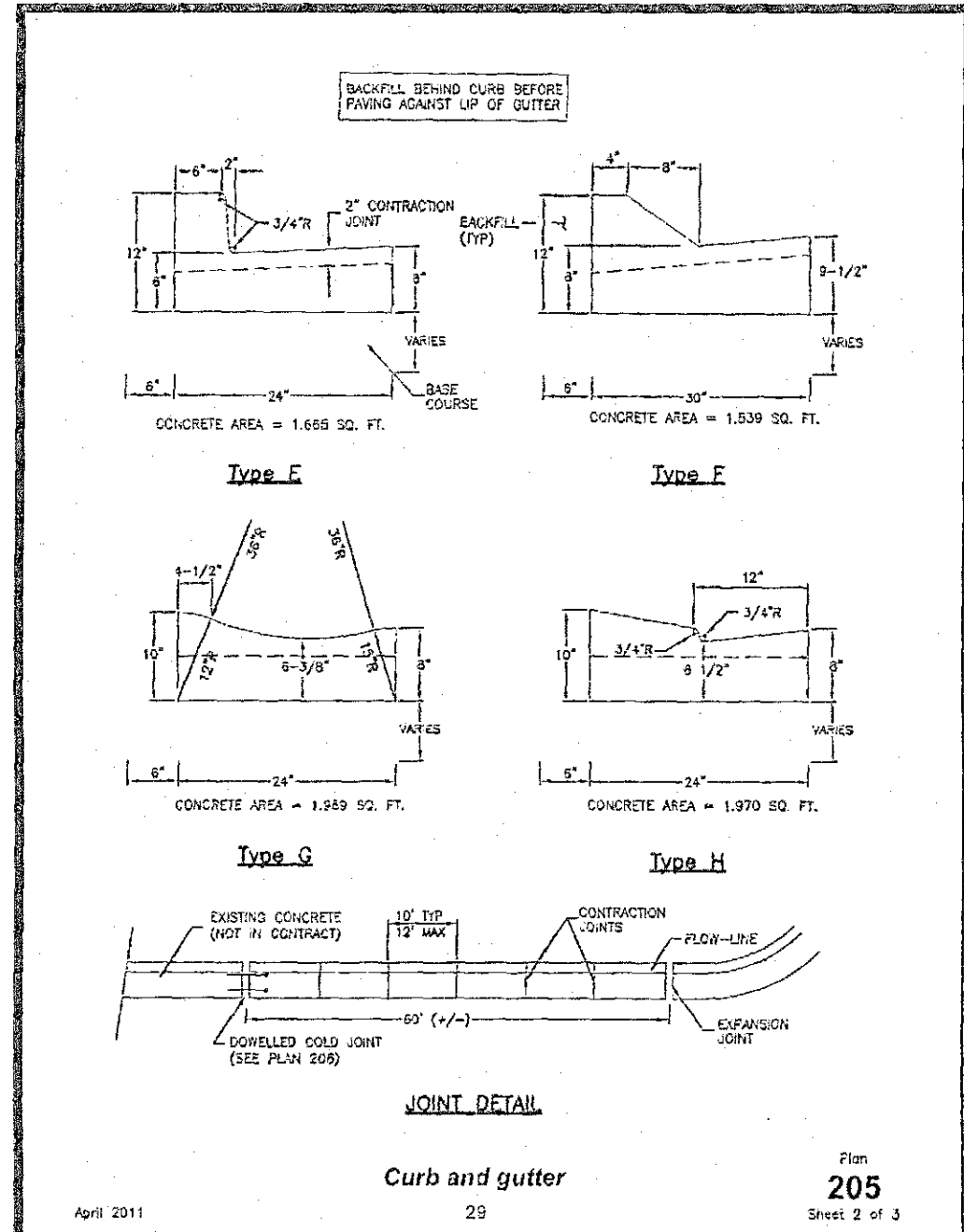
# ELEVATE

ENGINEERING

DOLLAR TREE EAGLE MOUNTAIN  
UTILITY PLAN  
6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005



SHEET:  
**C-3**  
DATE: Jan 13, 2021



**Curb and gutter**

205  
Sheet 2 of 3

1. GENERAL  
A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
B. Additional requirements are specified in APWA Section 32 10 13.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete curing (see notes) may develop if air temperature exceeds 90 degrees F.  
D. Reinforcement: Galvanized or epoxy coated, uniformed, 50 ksi yield grade steel, ASTM A 615.  
E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. EXECUTION  
A. Base Course Placement: APWA Section 32 05 10. Thickness is 4-inches if flow-line grade is 0.5 percent ( $\geq 0.05$ ) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
B. Concrete Placement: APWA Section 03 30 10.  
1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.  
2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.  
3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.  
C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

**Curbs**

209  
Sheet 3 of 3

1. GENERAL  
A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
B. Additional requirements are specified in APWA Section 32 10 13.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete curing (see notes) may develop if air temperature exceeds 90 degrees F.  
D. Reinforcement: Galvanized or epoxy coated, uniformed, 50 ksi yield grade steel, ASTM A 615.  
E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. EXECUTION  
A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
B. Concrete Placement: APWA Section 03 30 10.  
1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.  
2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.  
3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.  
C. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

**Midblock curb cut assembly**

236  
Sheet 3 of 3

1. GENERAL  
A. Where existing obstructions or spaces are altered to show an assembly, slopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the assembly may be different than shown.  
B. Installation of a curb shall be in accordance with the following:  
C. Definitions and supplemental requirements are specified in APWA Section 32 10 14.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
C. Detectable Warning Surface: Paver, ribbed composite to parallel or lay. Provide a color that contrasts with adjacent walking surface, either light-colored or dark-colored. ENGINEER to select type and color unless indicated otherwise.  
D. Concrete: Class 4000, APWA Section 03 30 04.  
E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. EXECUTION  
A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
B. Concrete Placement: APWA Section 03 30 10.  
1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface.  
2) No grade break shall exist between the curb and the turning space. Length of the curb configuration showing the turning space is 4 feet minimum.  
C. Curb Ramp: Ramp length not required to exceed 15 feet. Grade breaks are perpendicular to the direction of ramp rise and are not permitted on the ramp or turning space surface. Slabs are parallel to each other and perpendicular to the curb.  
D. Curb Veneer: Set top of curb wall equal to elevation of adjacent lateral area of sidewalk.  
E. Concrete Placement: APWA Section 03 30 10.  
1) Maximum length to width ratio for rectangular panel joints is 1.5 to 1. Joint spacing measured from face to face of adjacent slab thickness measured in inches or a maximum of 12 feet.  
2) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install contraction joints vertical, 1/8-inch wide, and 1/4 of the depth of the concrete slabwork.  
3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.  
F. Clear Space: No trip hazards in the clear space.

**Sidewalk**

231  
Sheet 1 of 2

1. GENERAL  
A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
B. Additional requirements are specified in APWA Section 32 10 13.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.  
C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete curing (see notes) may develop if air temperature exceeds 90 degrees F.  
D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

3. EXECUTION  
A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
B. Concrete Placement: APWA Section 03 30 10.  
1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface.  
2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Maximum length to width ratio for non-square panels is 1.5 to 1. Maximum panel length (in feet) is 1.5 times the slab thickness (in inches).  
3) Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

**Catch basin**

155

1. GENERAL  
A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the box.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Backfill: Common fill, APWA Section 31 02 13. Maximum particle size 2-inches.  
C. Concrete: Class 4000, APWA Section 03 30 04.  
D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.

3. EXECUTION  
A. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
B. Curb Face Option: Make opening at least 4 inches high. Provide at least a 2-inch drop between the "vane line" in the gutter flow-line and the top of the grate at the curb face opening.  
C. Concrete Placement: APWA Section 03 30 10. Provide 1/2-inch radius edges.  
D. Apply a broom finish. Apply a curing agent.  
E. Backfill: Place backfill against the basin wall. Fine gravel and recycled RAP aggregate is NOT ALLOWED. Water jelling is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 28.

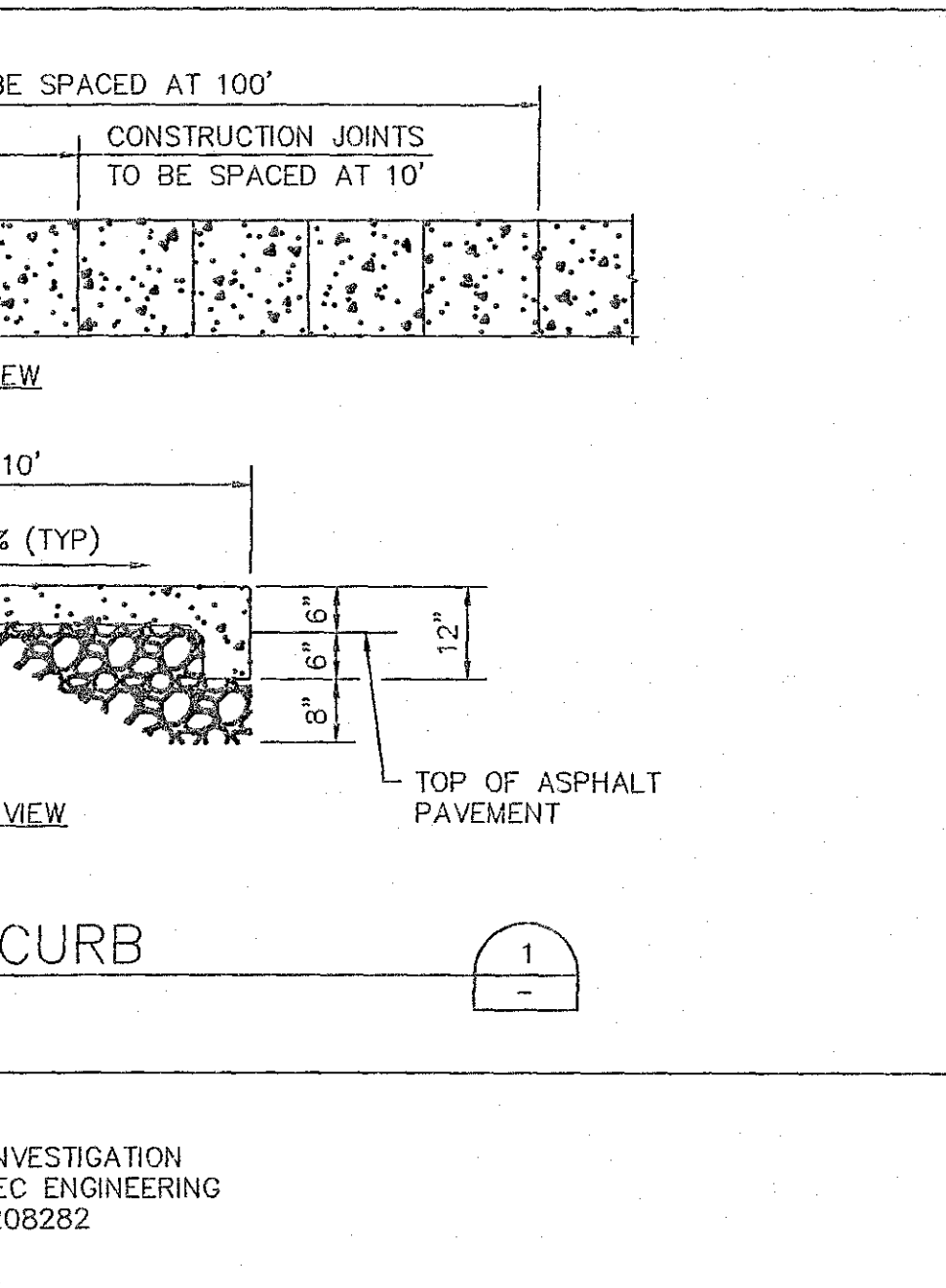
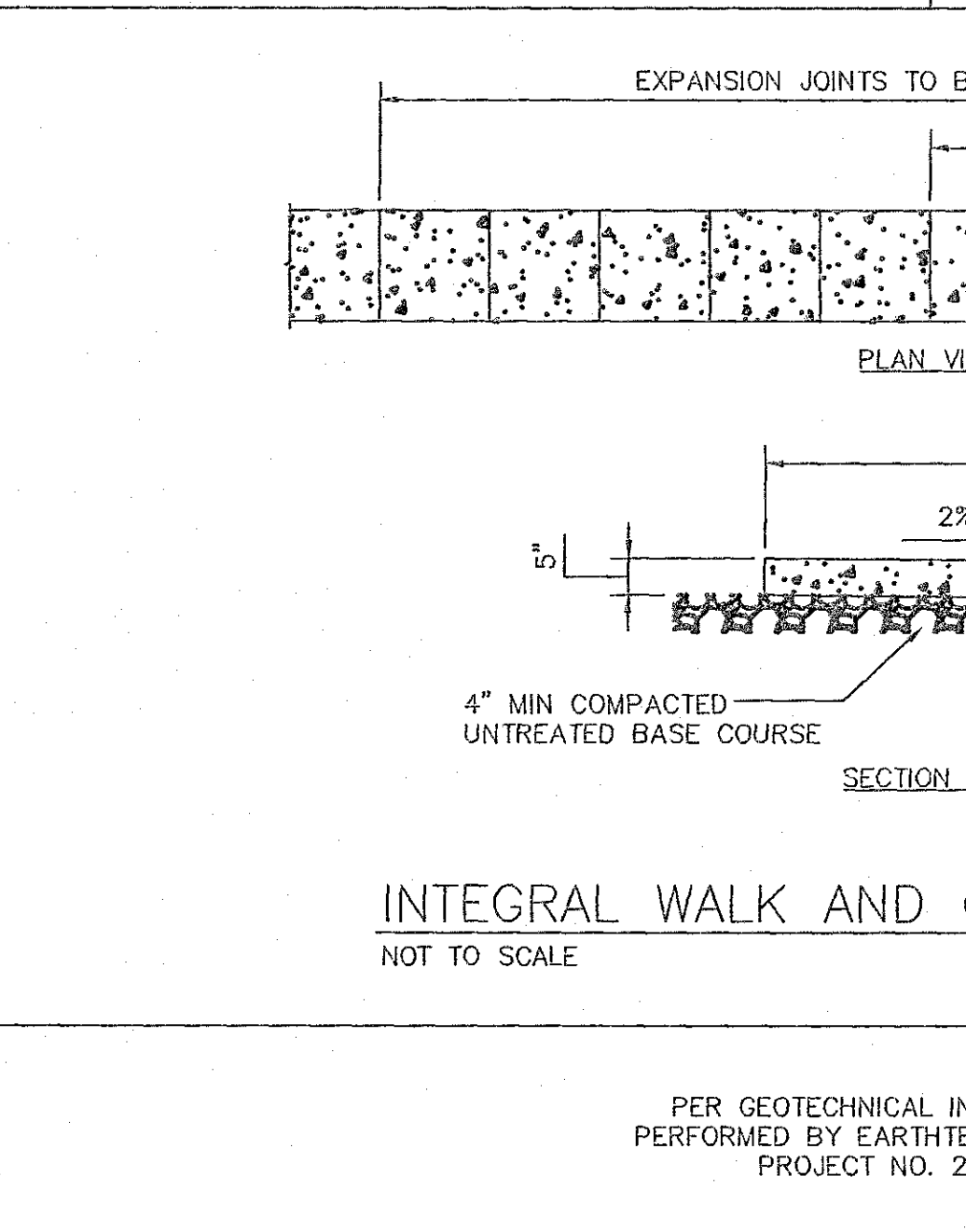
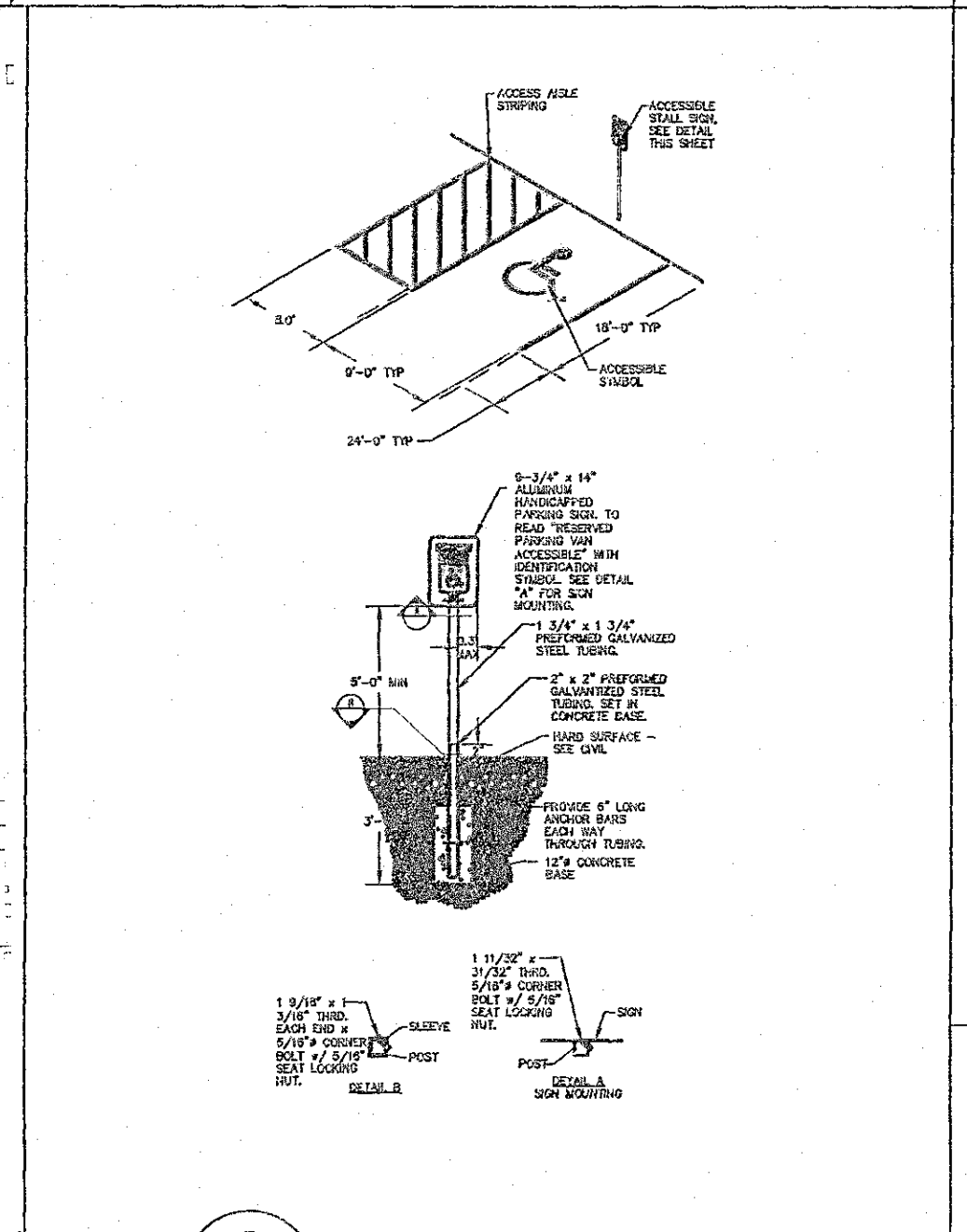
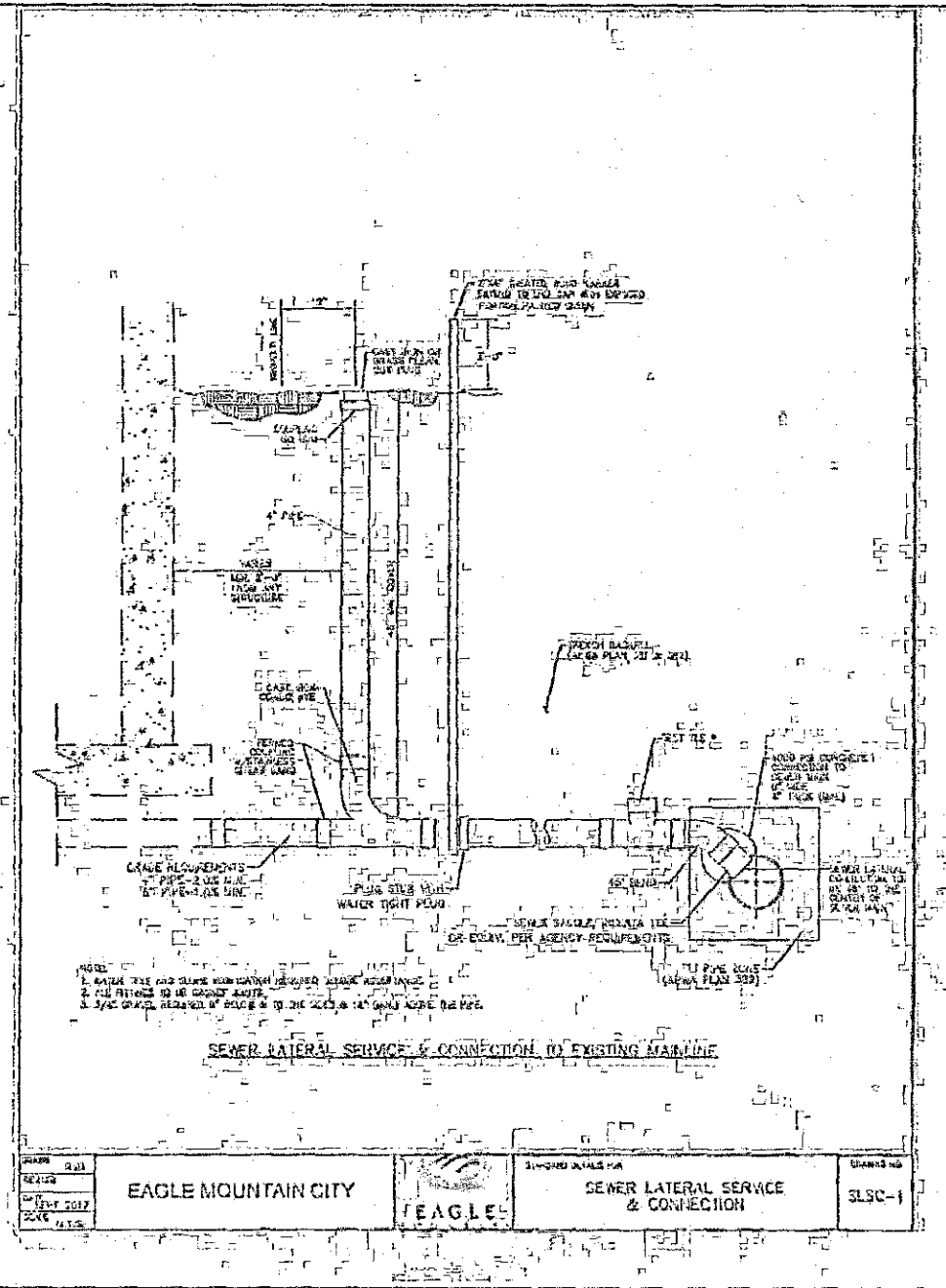
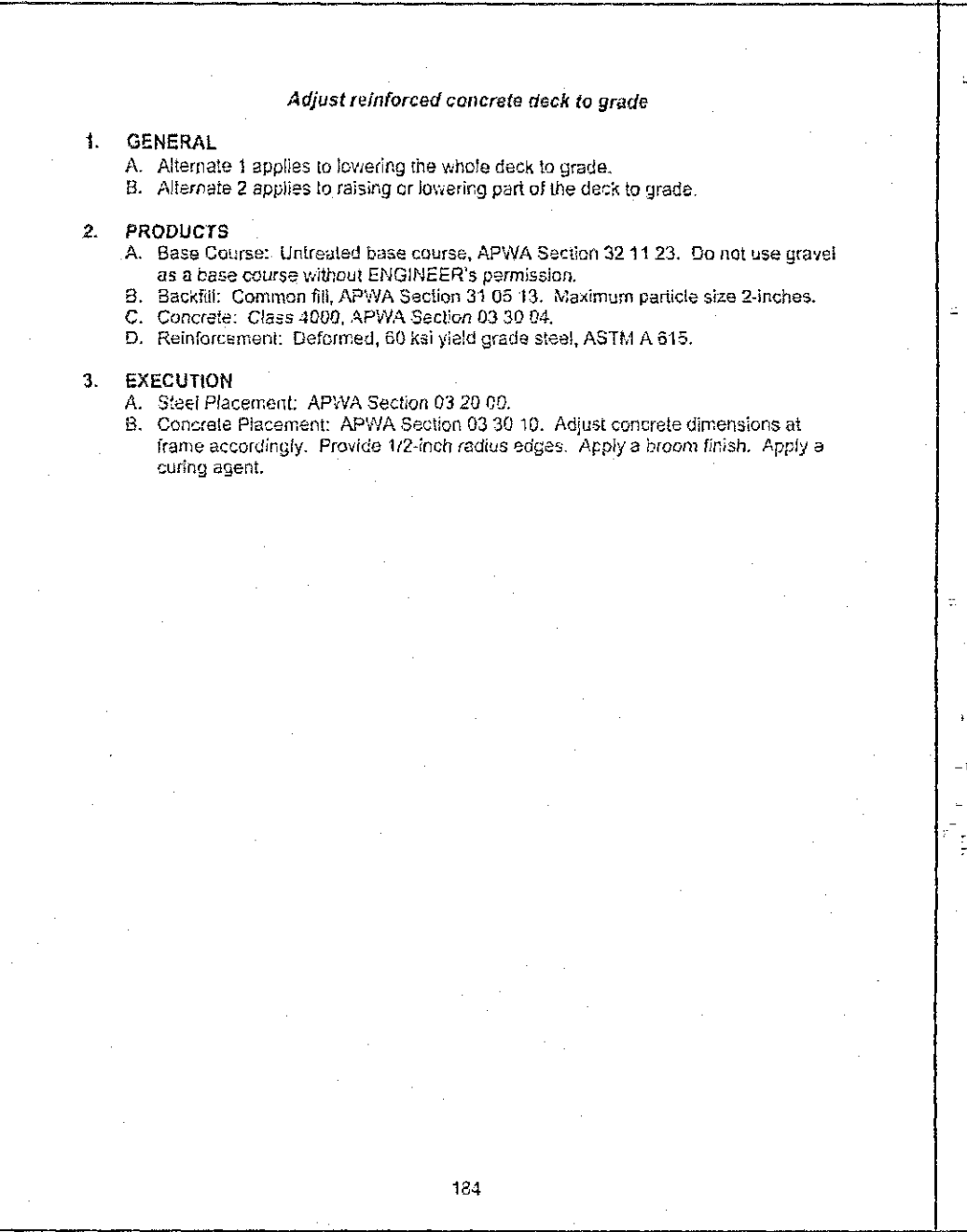
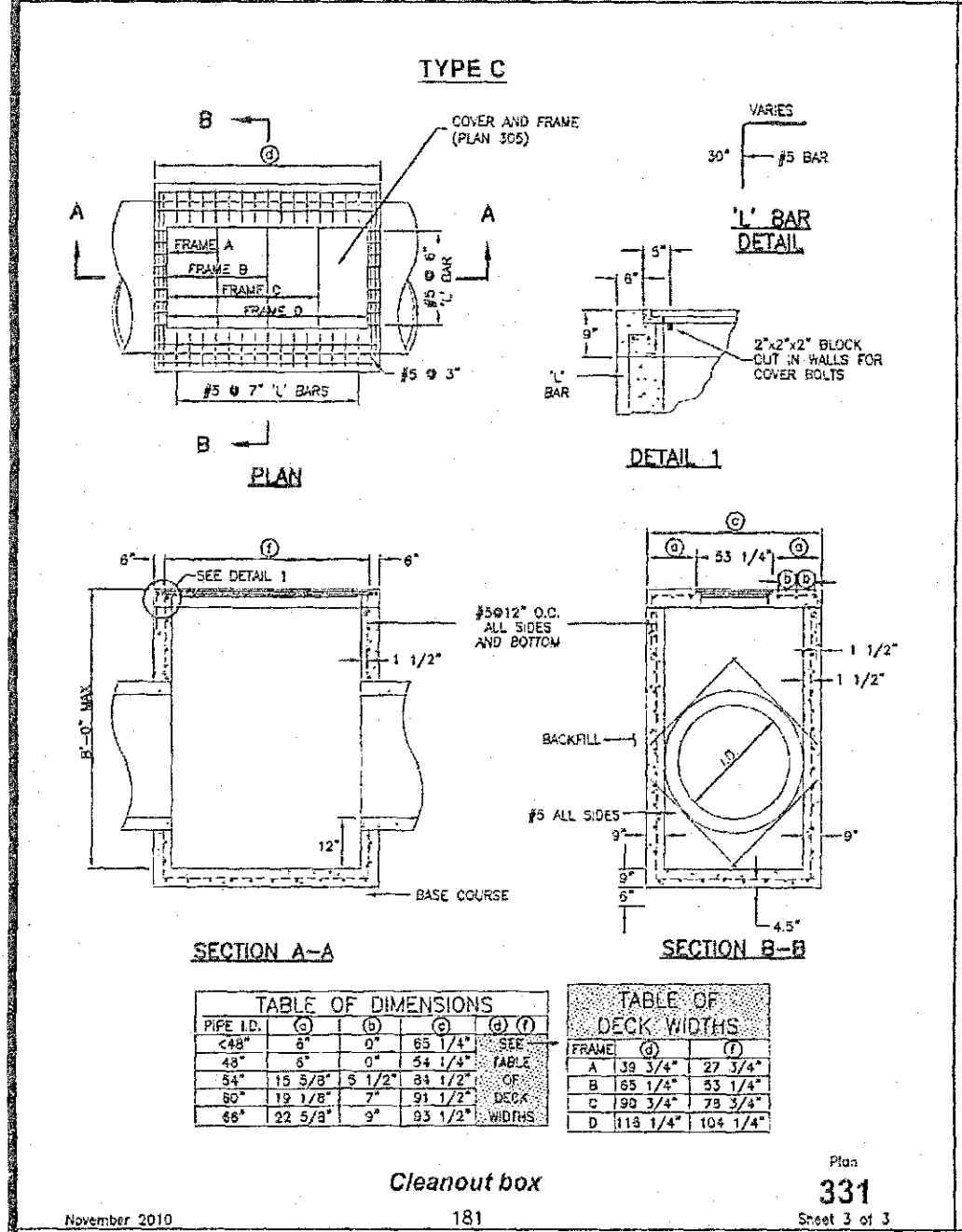
**Sanitary sewer manhole**

411

1. GENERAL  
A. The drawing shows typical pipe connections. Refer to construction drawings for connection locations or refer to field location of existing piping when engineering pipe connection to the manhole.  
B. Manhole size.  
1) Diameter is 4 feet. For sewers under 12" diameter.  
2) Diameter is 5 feet. For sewers 12" and larger, or when 3 or more pipes intersect the manhole.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Backfill: Common fill, APWA Section 31 02 13. Maximum particle size 2-inches.  
C. Concrete: Class 4000, APWA Section 03 30 04.  
D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.  
E. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.  
F. Grout: 2 parts sand to 1 part cement mortar, ASTM C 1329.  
G. Stabilization-Separation Geotextile: Moderate or high at CONTRACTOR'S choice, APWA Section 31 05 19.

3. EXECUTION  
A. Foundation Stabilization: Get ENGINEER'S permission to use a sewer rock or a granular excelsior borrow in a geotextile wrap to stabilize an unstable foundation.  
B. Base Course Placement: APWA Section 32 11 23. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 28.  
C. Invert Cover: During construction, place invert covers over the top of pipe in manholes that currently convey sewerage. See Item 412.  
D. Pipe Connections: Grout around all pipe openings.  
E. Pipe Seal: Install rubber-based pipe seals on all plastic pipes when connecting plastic pipes to manholes. Tight water stop in place with stainless steel bands.  
F. Joints: Place flexible gasket-type sealant in all rear joints. Finish with grout.  
G. Adjustment: If the required manhole adjustment is more than 1'-0", remove the cone and grade rings and adjust the manhole elevation with the appropriate manhole section, the cone section, and the grade rings or plastic form to make frame and to main finish grade.  
H. Finish: Provide smooth and neat finishes on interior of cones, shafts, and rings. Intersect moldings or honeycombs will not be accepted.  
I. Backfill: Provide backfill against the manhole shaft. Fine gravel and recycled RAP aggregate is NOT ALLOWED. Water jelling is NOT allowed. Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a standard proctor density, APWA Section 31 23 28.



**Cleanout box**

331  
Sheet 3 of 3

1. GENERAL  
A. Alternate 1 applies to lowering the whole deck to grade.  
B. Alternate 2 applies to raising or lowering part of the deck to grade.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Backfill: Common fill, APWA Section 31 02 13. Maximum particle size 2-inches.  
C. Concrete: Class 4000, APWA Section 03 30 04.  
D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.

3. EXECUTION  
A. Steel Placement: APWA Section 03 20 00.  
B. Concrete Placement: APWA Section 03 30 10. Adjust concrete dimensions at frame accordingly. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

**Adjust reinforced concrete deck to grade**

1. GENERAL  
A. Alternate 1 applies to lowering the whole deck to grade.  
B. Alternate 2 applies to raising or lowering part of the deck to grade.

2. PRODUCTS  
A. Base Course: Unreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Backfill: Common fill, APWA Section 31 02 13. Maximum particle size 2-inches.  
C. Concrete: Class 4000, APWA Section 03 30 04.  
D. Reinforcement: Deformed, 60 ksi yield grade steel, ASTM A 615.

3. EXECUTION  
A. Steel Placement: APWA Section 03 20 00.  
B. Concrete Placement: APWA Section 03 30 10. Adjust concrete dimensions at frame accordingly. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.

**Eagle Mountain City**

SEWER LATERAL SERVICE & CONNECTION

**2 ADA SIGNAGE**

SCALE: N.T.S.

**INTEGRAL WALK AND CURB**

NOT TO SCALE

PER GEOTECHNICAL INVESTIGATION PERFORMED BY EARTHTECH ENGINEERING PROJECT NO. 208282

3.0" ASPHALT  
8.0" BASE COURSE  
GRANULAR BORROW (IF NEEDED)

**RIGID PAVEMENT SECTION**

NOT TO SCALE

**EXPANSION JOINTS TO BE SPACED AT 100'**

**CONSTRUCTION JOINTS TO BE SPACED AT 10'**

10'

2% (TYP)

4" MIN COMPACTED UNTREATED BASE COURSE

TOP OF ASPHALT PAVEMENT

NO. \_\_\_\_\_ BY DATE \_\_\_\_\_

REVISIONS \_\_\_\_\_

ELEVATE ENGINEERING  
482 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
PHONE: (801) 718-5993  
lev@elevateeng.com

PROJECT ENGINEER: LP DESIGNER: DL

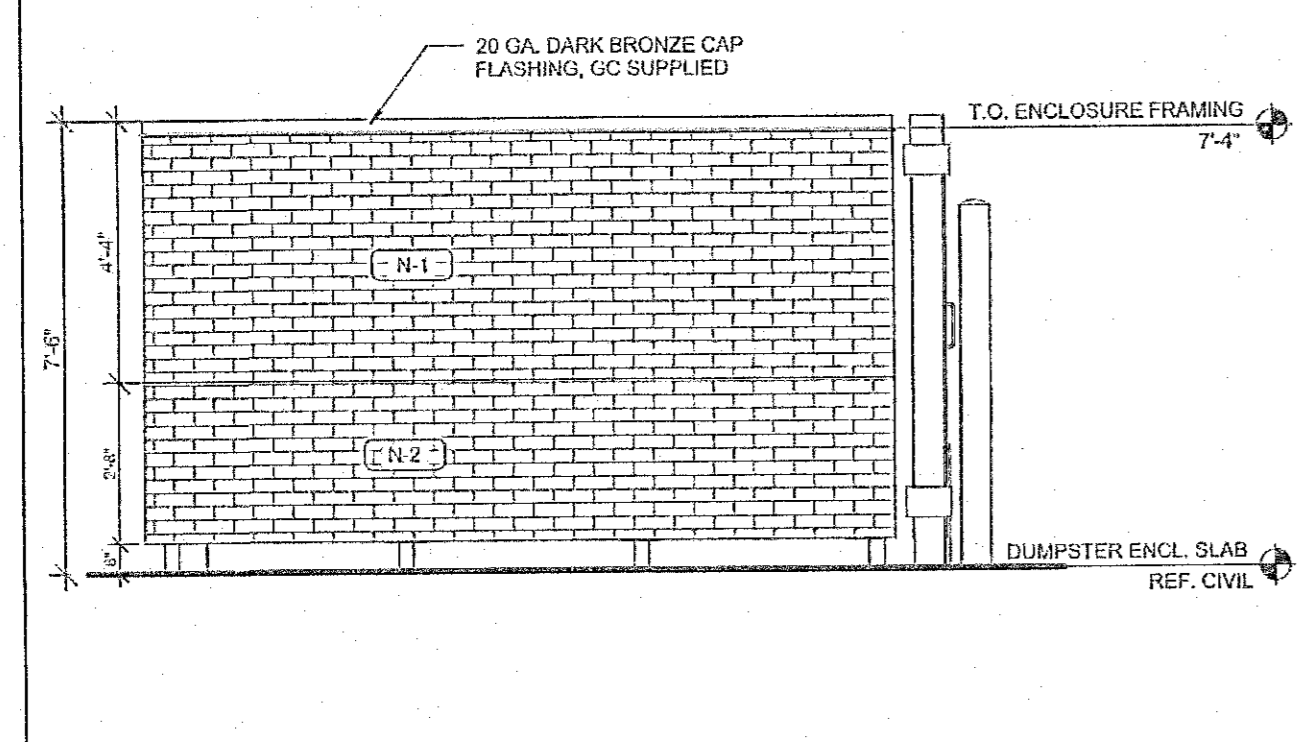
**ELEVATE ENGINEERING**

DOLLAR TREE EAGLE MOUNTAIN  
STANDARD DETAILS  
6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005

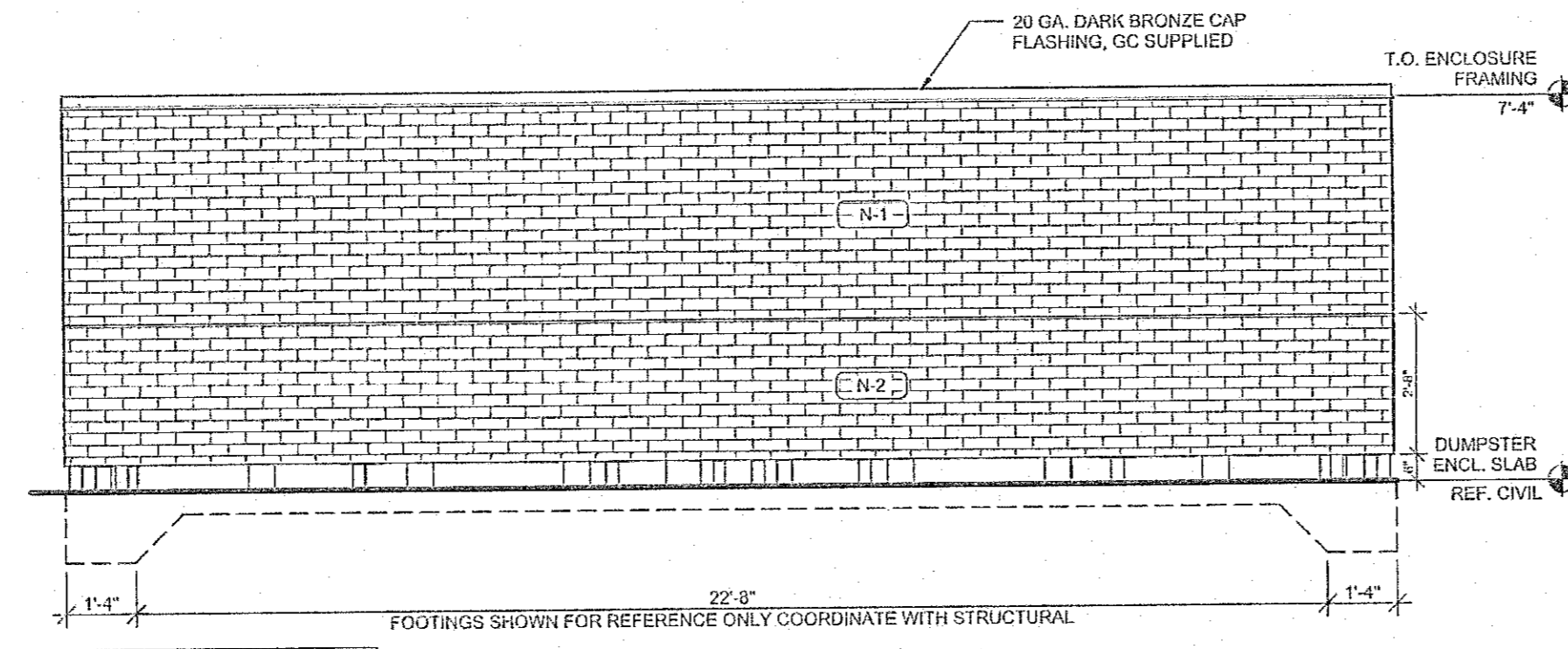
PROFESSIONAL ENGINEER  
10/28/20  
10964737  
LARRY POLLOCK  
SEAL

SHEET: **C-4**

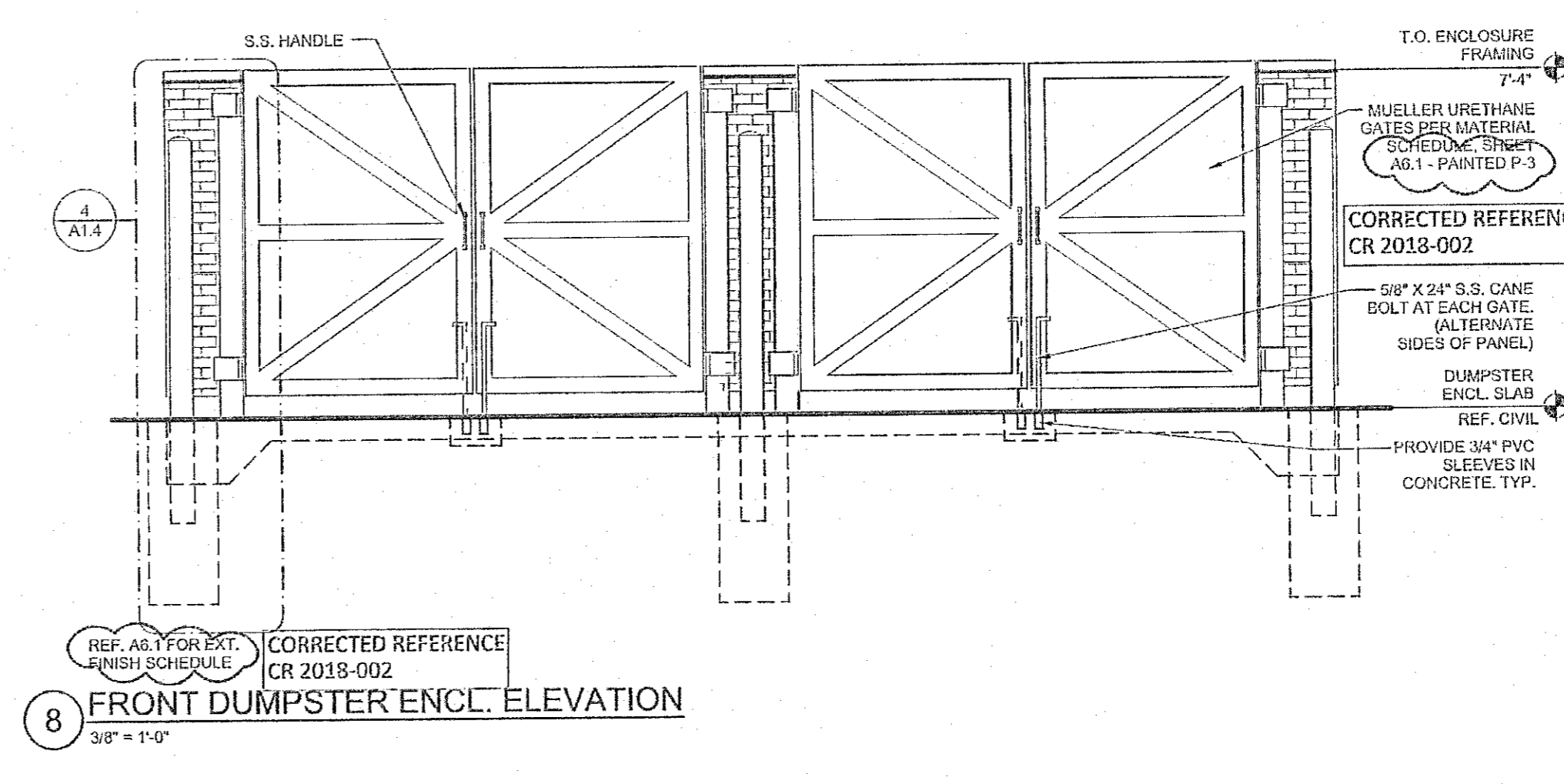
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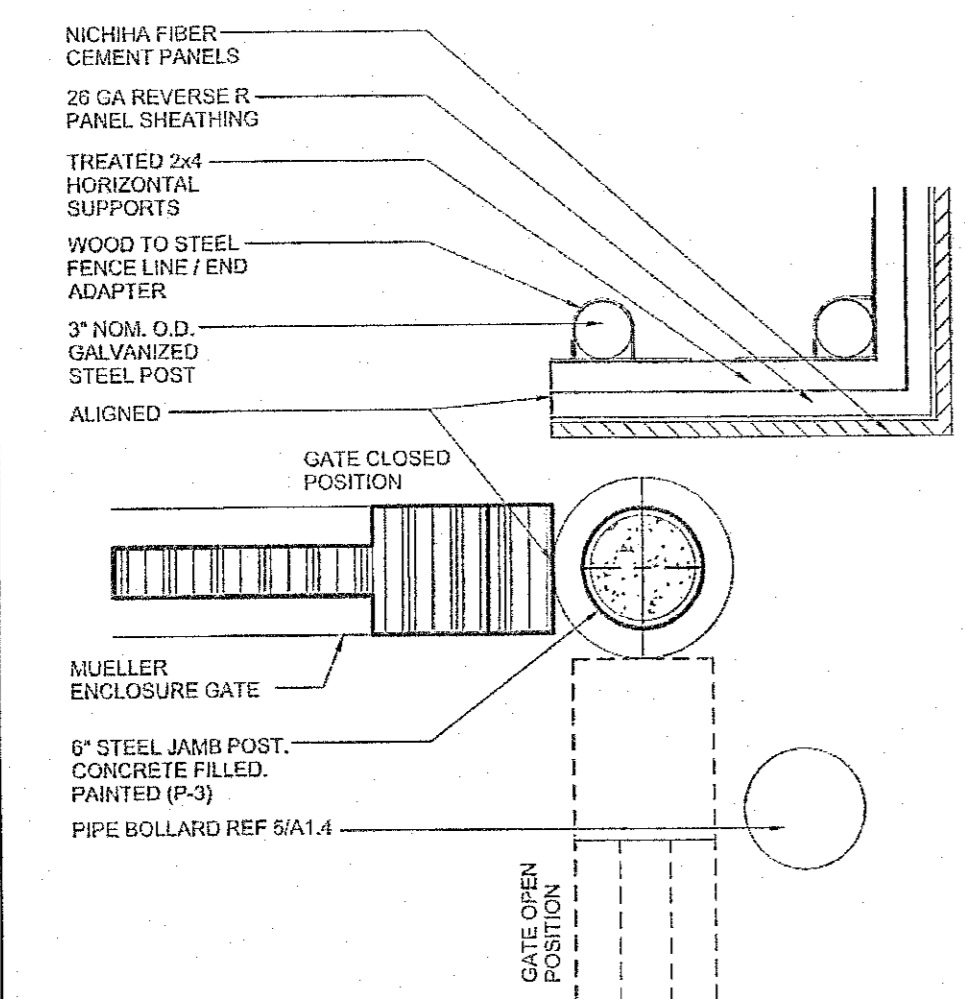
10 SIDE DUMPSTER ENCL. ELEVATION  
3/8" = 1'-0"



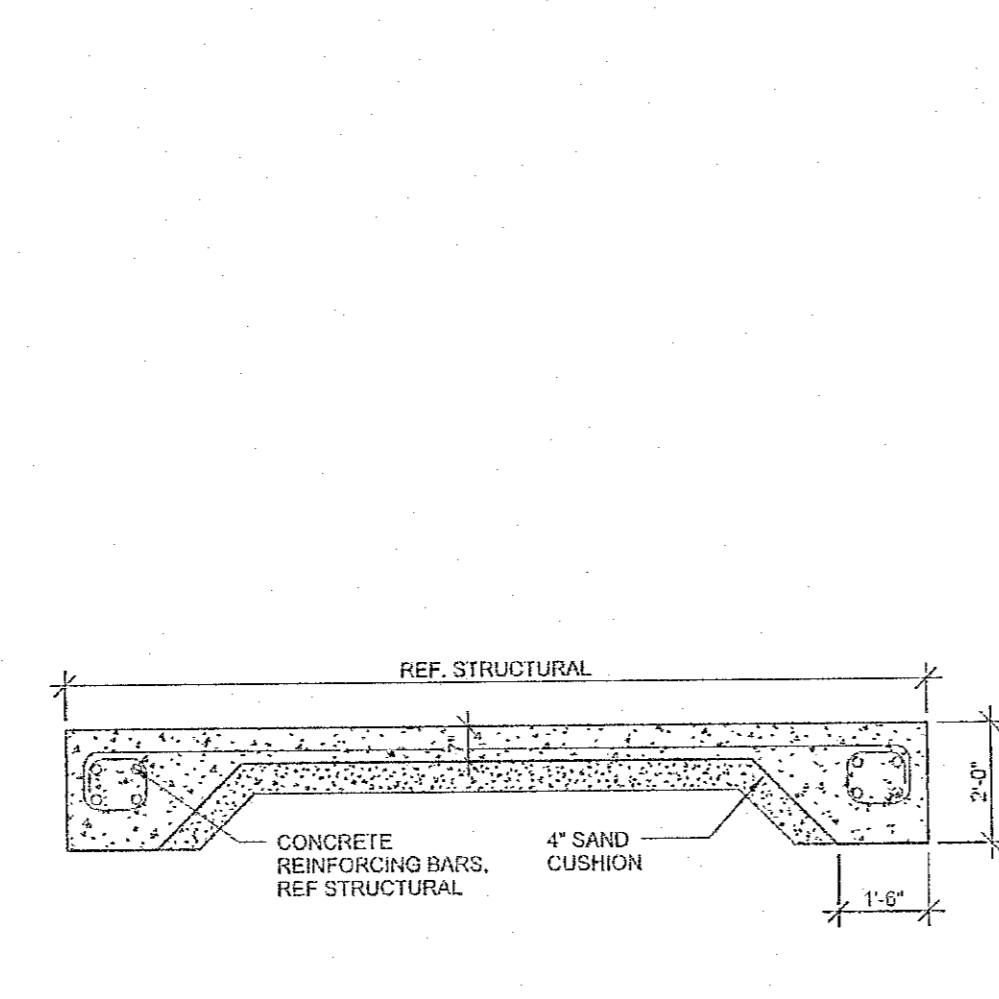
9 REAR DUMPSTER ENCL. ELEVATION  
3/8" = 1'-0"



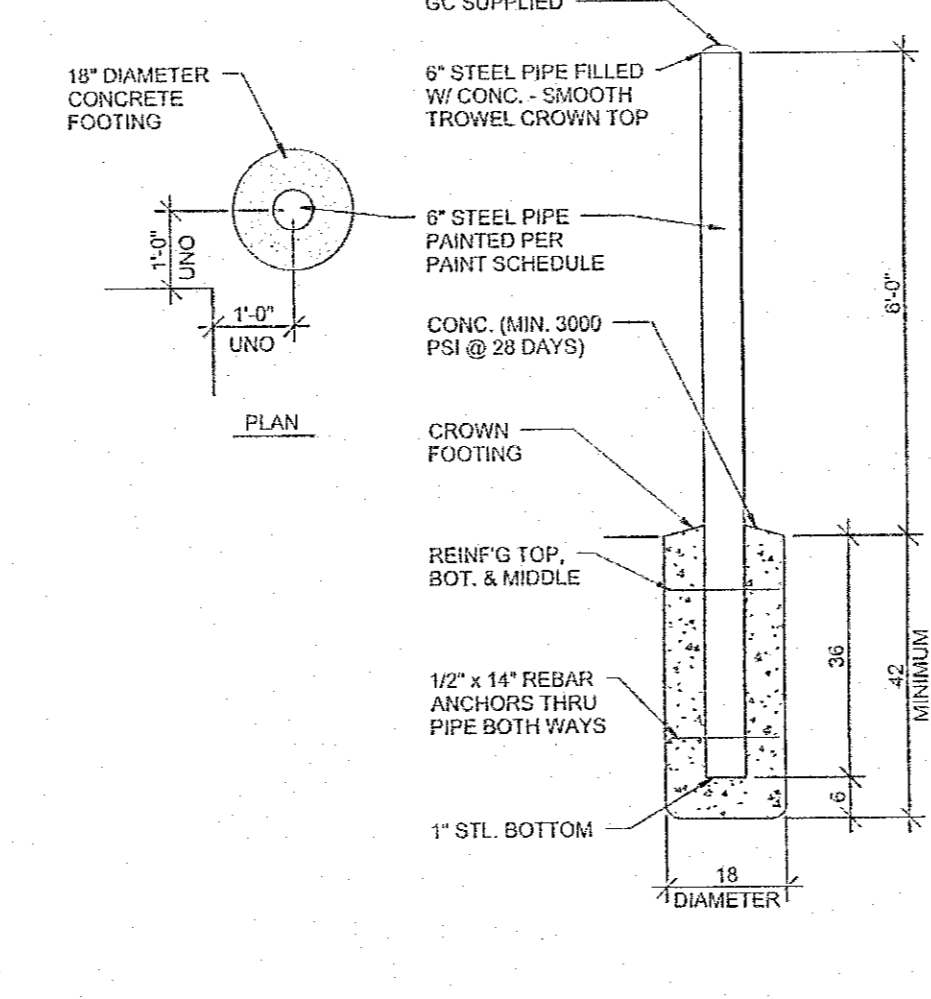
8 FRONT DUMPSTER ENCL. ELEVATION  
3/8" = 1'-0"



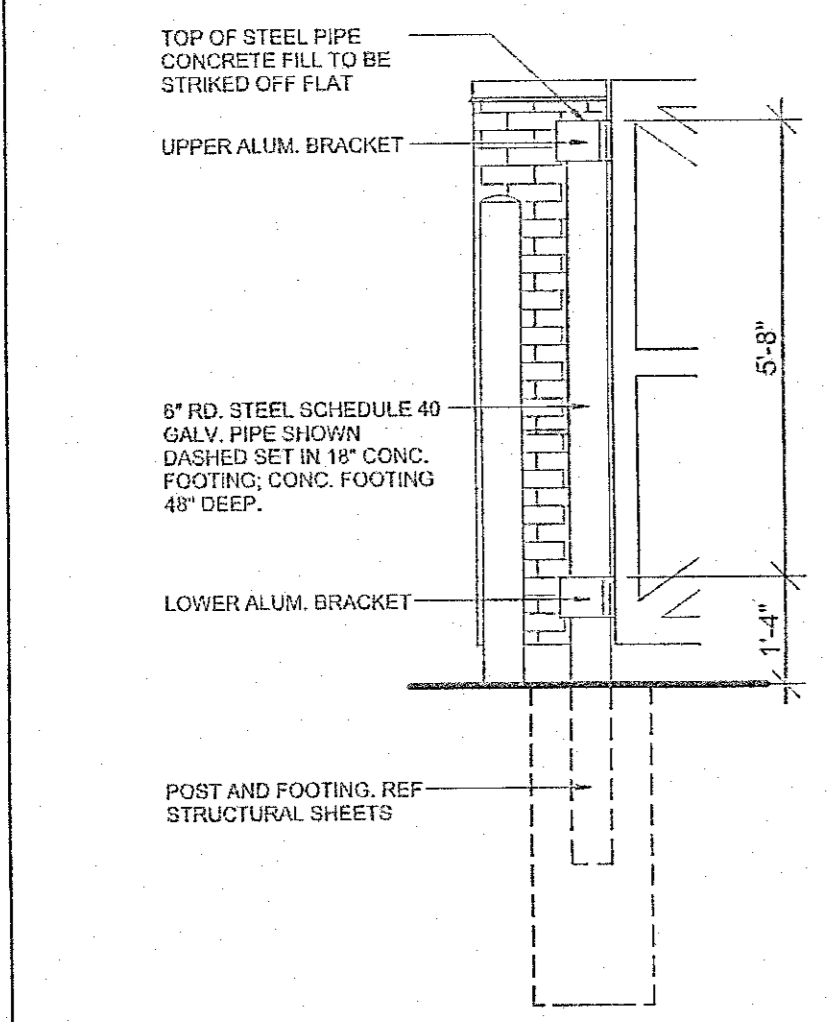
7 DETAIL - GATE  
1 1/2" = 1'-0"



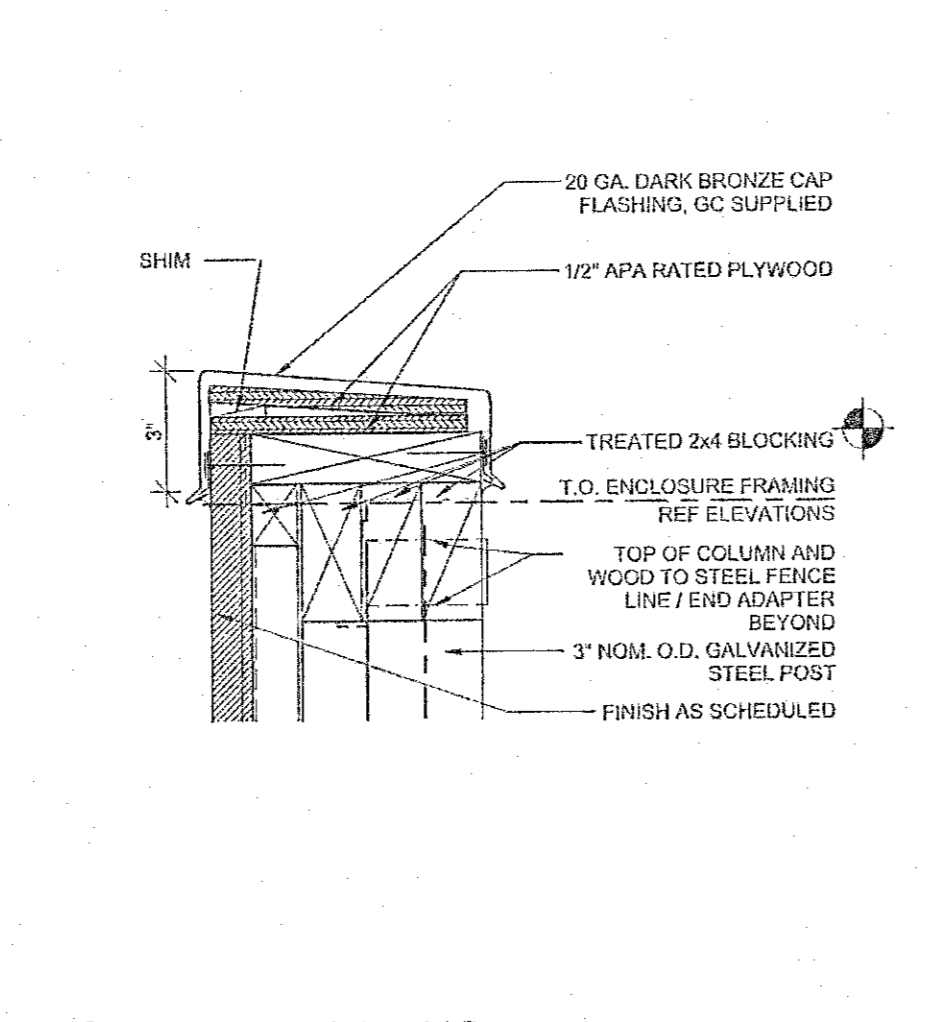
6 DUMPSTER ENCL. FOUNDATION SECTION  
3/8" = 1'-0"



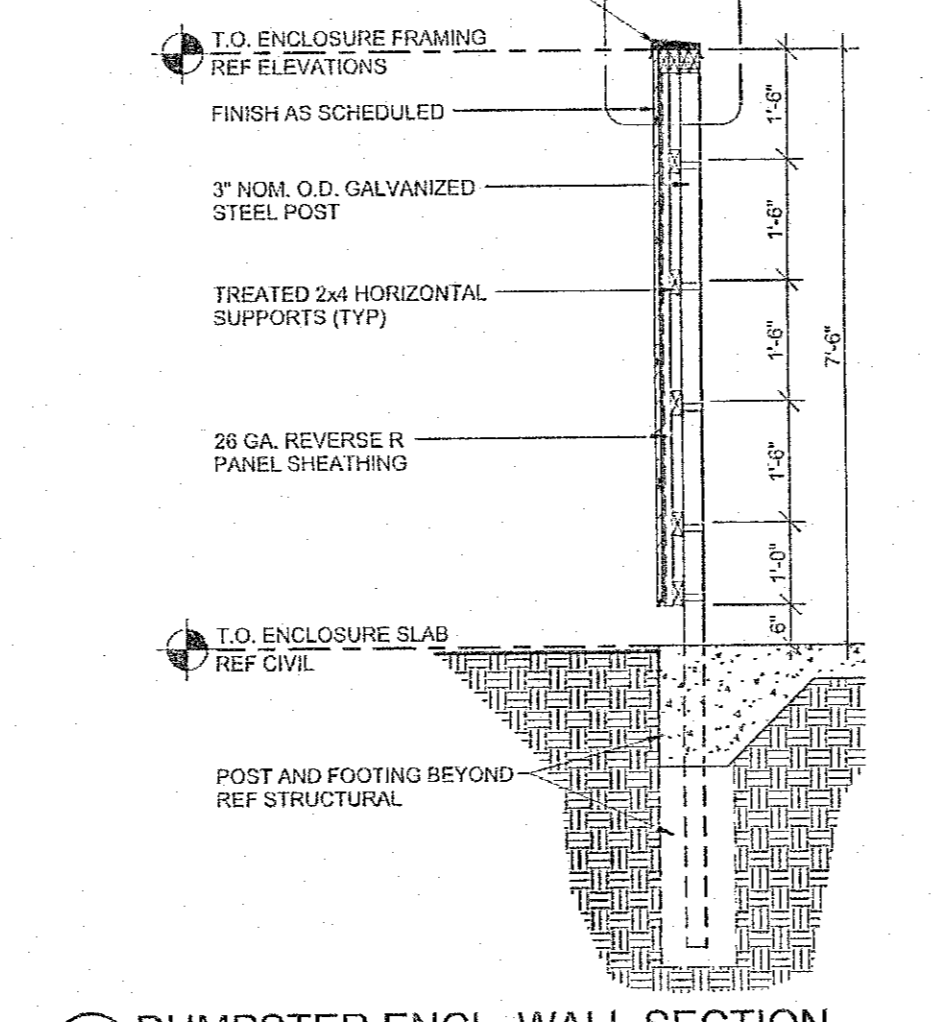
5 TYPICAL BOLLARD SECTION  
1/2" = 1'-0"



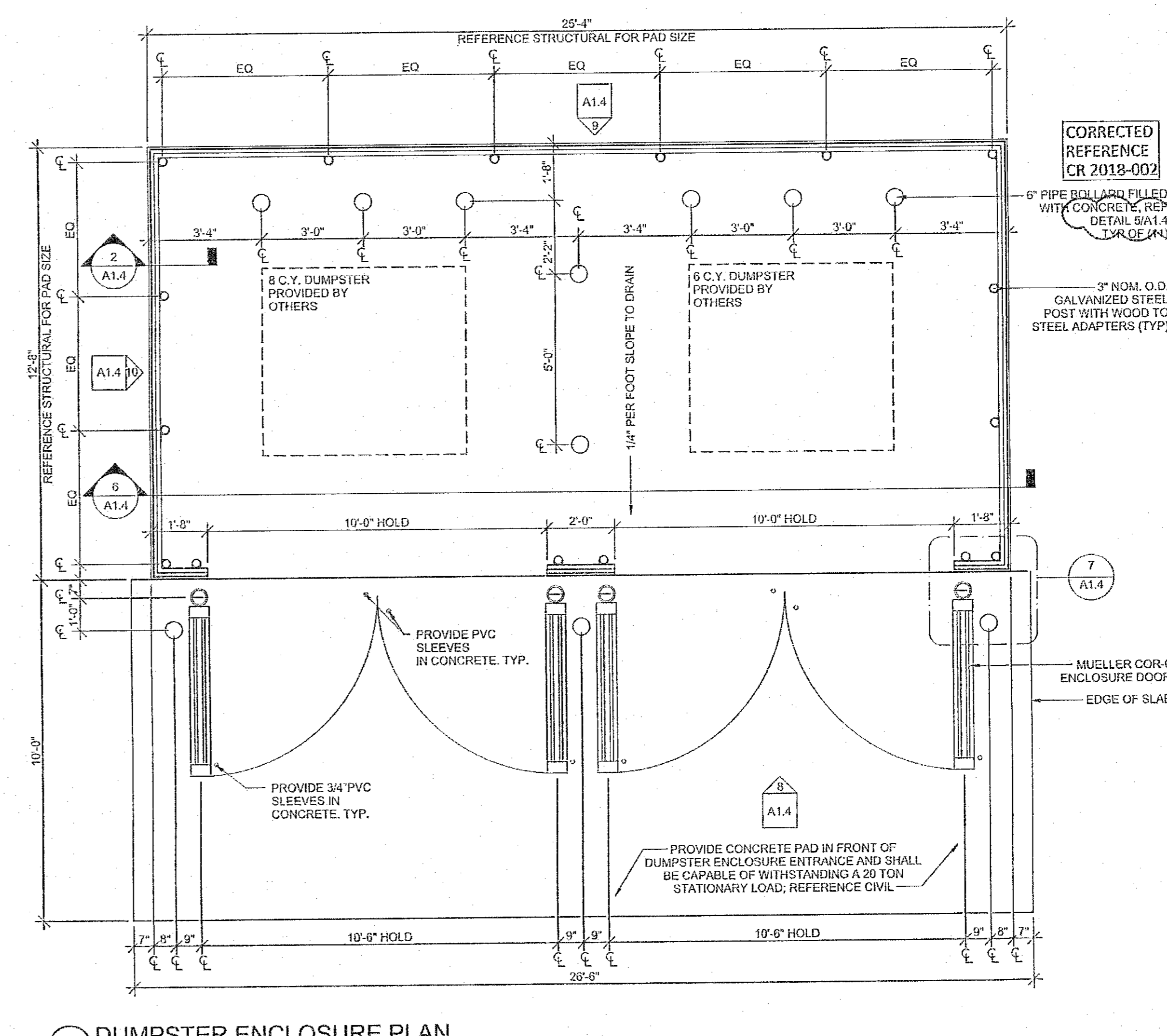
4 GATE BOLLARD DETAIL  
1/2" = 1'-0"



3 DETAIL - COPING  
3" = 1'-0"



2 DUMPSTER ENCL. WALL SECTION  
1/2" = 1'-0"



1 DUMPSTER ENCLOSURE PLAN  
3/8" = 1'-0"

<p>7-ELEVEN, INC. 3200 HACKBERRY ROAD, IRVING, TEXAS 75063 7-ELEVEN #XXXX STREET ADDRESS ANYTOWN, USA 00000</p> <p>DUMPSTER ENCLOSURE &amp; DETAILS</p>	<p>Rev. #</p> <p>Date</p> <p>Description</p>
<p>Proto 04-30-2018</p>	
<p>SEI-XXXXX</p> <p>AS NOTED</p> <p>XXXXXX</p> <p>DATE: XX/XX/XX</p> <p>DRAWN BY: XX</p> <p>CHECKED BY: XX</p>	
<p>THE DIMENSION GROUP ARCHITECTURE-CIVIL ENGINEERING-MECHANICAL ENGINEERING</p> <p>10000 W. DALLAS ROAD, SUITE 1000, DALLAS, TEXAS 75243 TEL: 972.992.1100 WWW.DIMENSIONGROUP.COM</p>	
<p>SHEET: <b>A1.4</b> 6049 SIP - LEFT</p>	

**ELEVATE**  
ENGINEERING

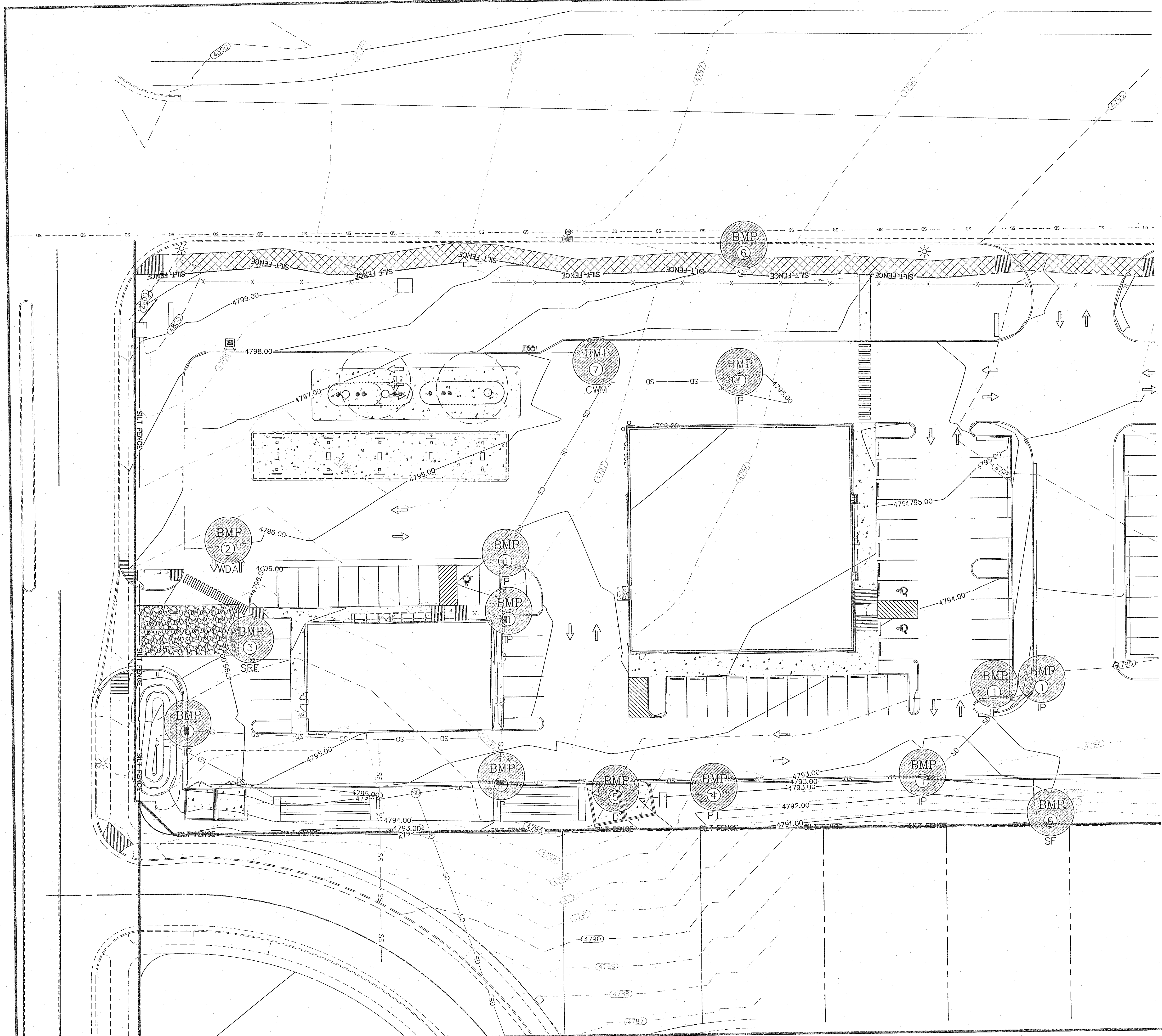
DOLLAR TREE EAGLE MOUNTAIN  
STANDARD DETAILS  
6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005

ELEVATE ENGINEERING  
485 WEST 1200 NORTH  
SPRINGVILLE, UT 84663  
PHONE: (801) 718-6993  
info@elevateeng.com

DESIGNER: DL  
PROJECT ENGINEER: LP

PROFESSIONAL ENGINEER  
10/28/20  
10964737  
LARVIN POLLOCK  
STATE OF UTAH

SHEET: C-4.1  
DATE: Oct 28, 2020



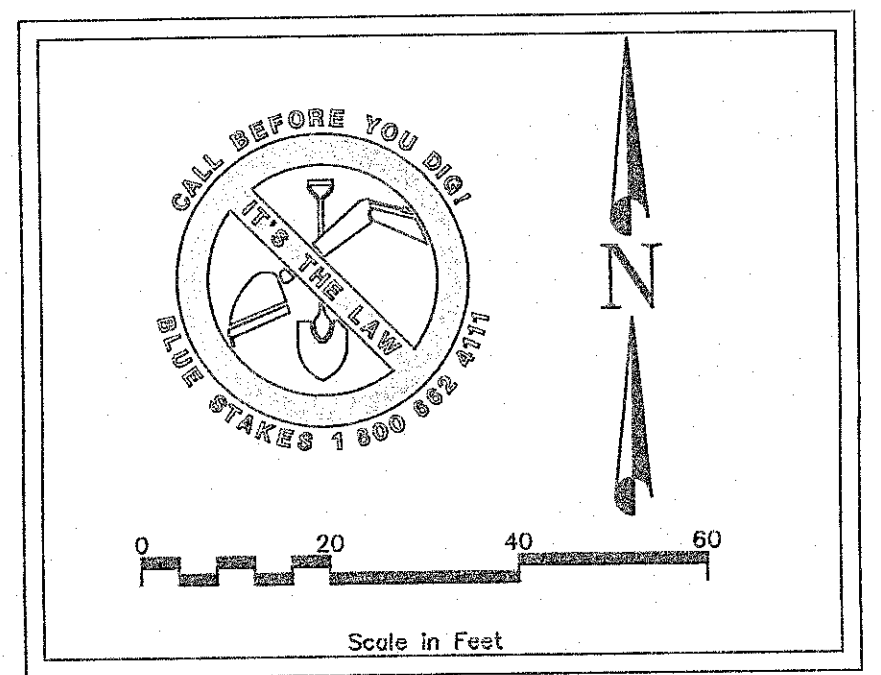
# LEGEND

- EXISTING CURB AND GUTTER
- == PROPOSED CURB AND GUTTER
- x --- EXISTING FENCE
- PROPERTY LINE
- SS--- EXISTING SEWER
- W--- EXISTING WATER LINE
- 21.00- FINISHED CONTOUR LINE
- 27.50- EXISTING CONTOUR LINE
- SD--- PROPOSED STORM DRAIN LINE
- SD--- EXISTING STORM DRAIN LINE

- SILT FENCE --- SILT FENCE
- CLEAN OUT BOX
- BMP BEST MANAGEMENT PRACTICE  
SEE BEST MANAGEMENT PRACTICE INDEX AND SHEET C-6 FOR DETAILS.
- xx

- NOTES**
- DURING CONSTRUCTION
1. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE INSPECTED AND MAINTAINED REGULARLY (ONCE A WEEK) AND AFTER EVERY STORM EVENT
  2. LAND DISTURBANCE SHALL BE KEPT TO MINIMUM TO CONTROL RUNOFF FROM THE SITE
  3. LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE
  4. STAGED SEEDING TO RE-VEGETATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS
  5. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION
  6. MAINTENANCE OF STREET: STREETS TO BE KEPT CLEAN AND FREE FROM DEBRIS.
  7. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.
  8. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON THE SITE DURING ALL CONSTRUCTION ACTIVITY
- POST CONSTRUCTION
- SEE SHEET C-6

- BEST MANAGEMENT PRACTICE INDEX**
- |   |     |                                      |
|---|-----|--------------------------------------|
| 1 | IP  | INLET PROTECTION                     |
| 2 | WDA | EQUIPMENT AND VEHICLE WASH DOWN AREA |
| 3 | SRE | STABILIZED ROADWAY ENTRANCE          |
| 4 | PT  | PORTABLE TOILET                      |
| 5 | D   | DUMPSTER LOCATION                    |
| 6 | SF  | SILT FENCE                           |
| 7 | CWM | CONCRETE WASTE MANAGEMENT            |
- ADDITIONAL BMP's TO BE ONSITE:  
 • SPILL CLEANUP  
 • VEHICLE & EQUIPMENT FUELING
- SEE SHEET C-6 FOR BMP DETAILS

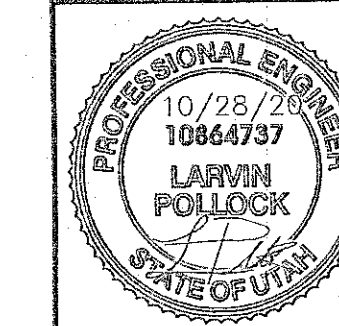


NO.	REVISIONS	BY	DATE

ELEVATE ENGINEERING  
 482 WEST 1200 NORTH  
 SPRINGVILLE, UT 84663  
 PHONE: (801) 718-5993  
 lev@elevateeng.com

# ELEVATE ENGINEERING

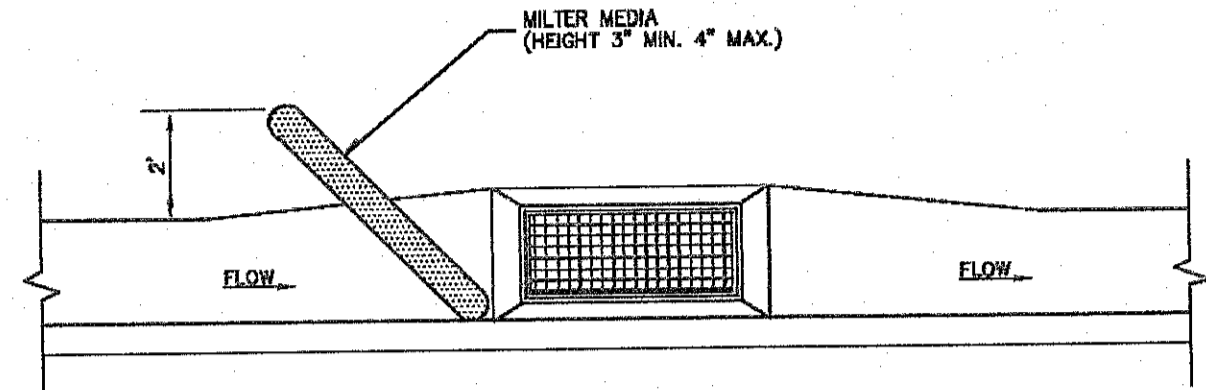
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 SWPPP PLAN  
 6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005



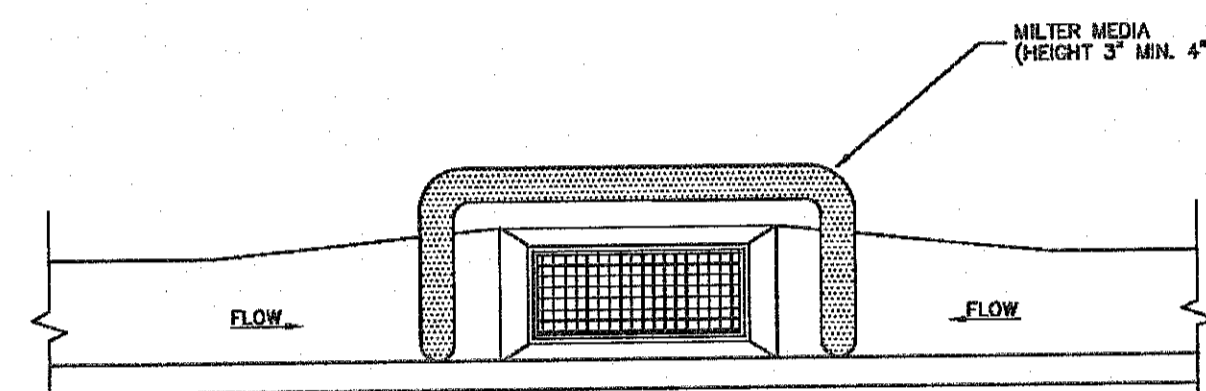
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 DATE: Oct 28, 2020



NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (SWMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



ON-GRADE INLET PROTECTION DETAIL



DROP INLET PROTECTION DETAIL

Inlet protection - gravel sock

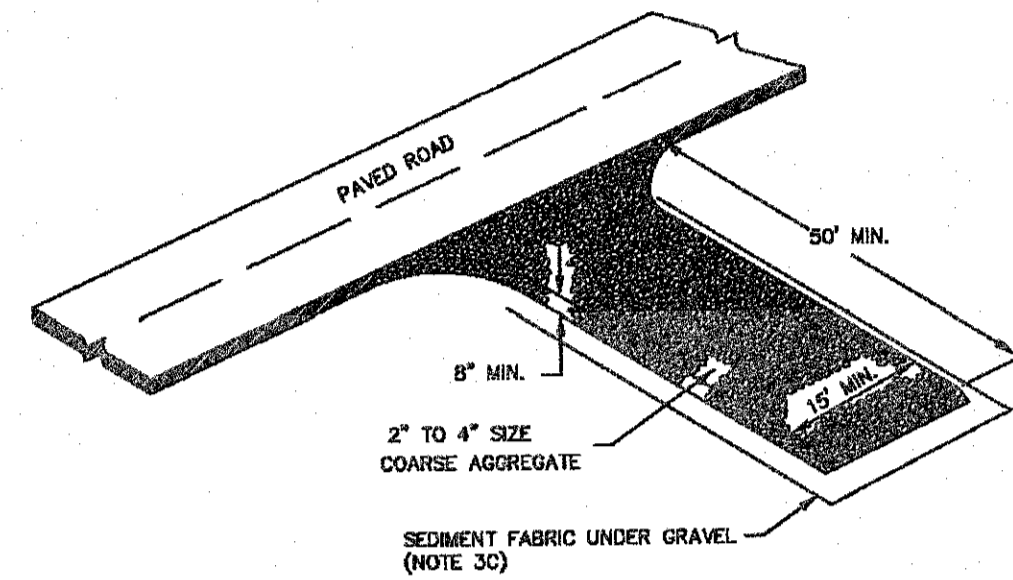
Plan No. 124

September 2006

11

Drawing 1 of 3

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (SWMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



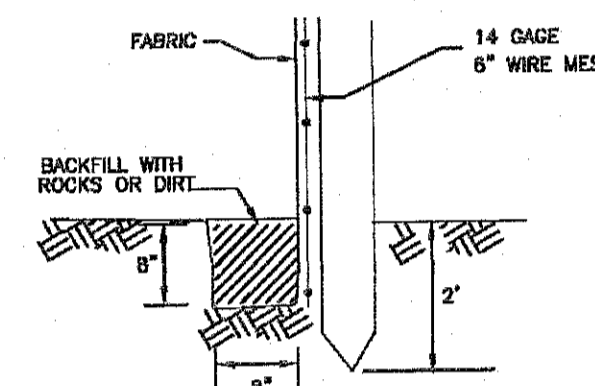
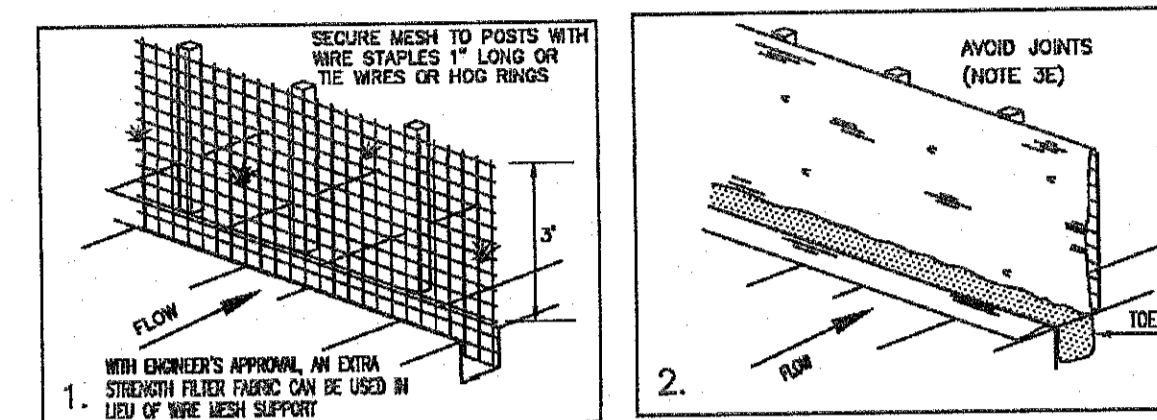
Stabilized roadway entrance

Plan No. 126

February 2006

19

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (SWMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



TOE DETAIL

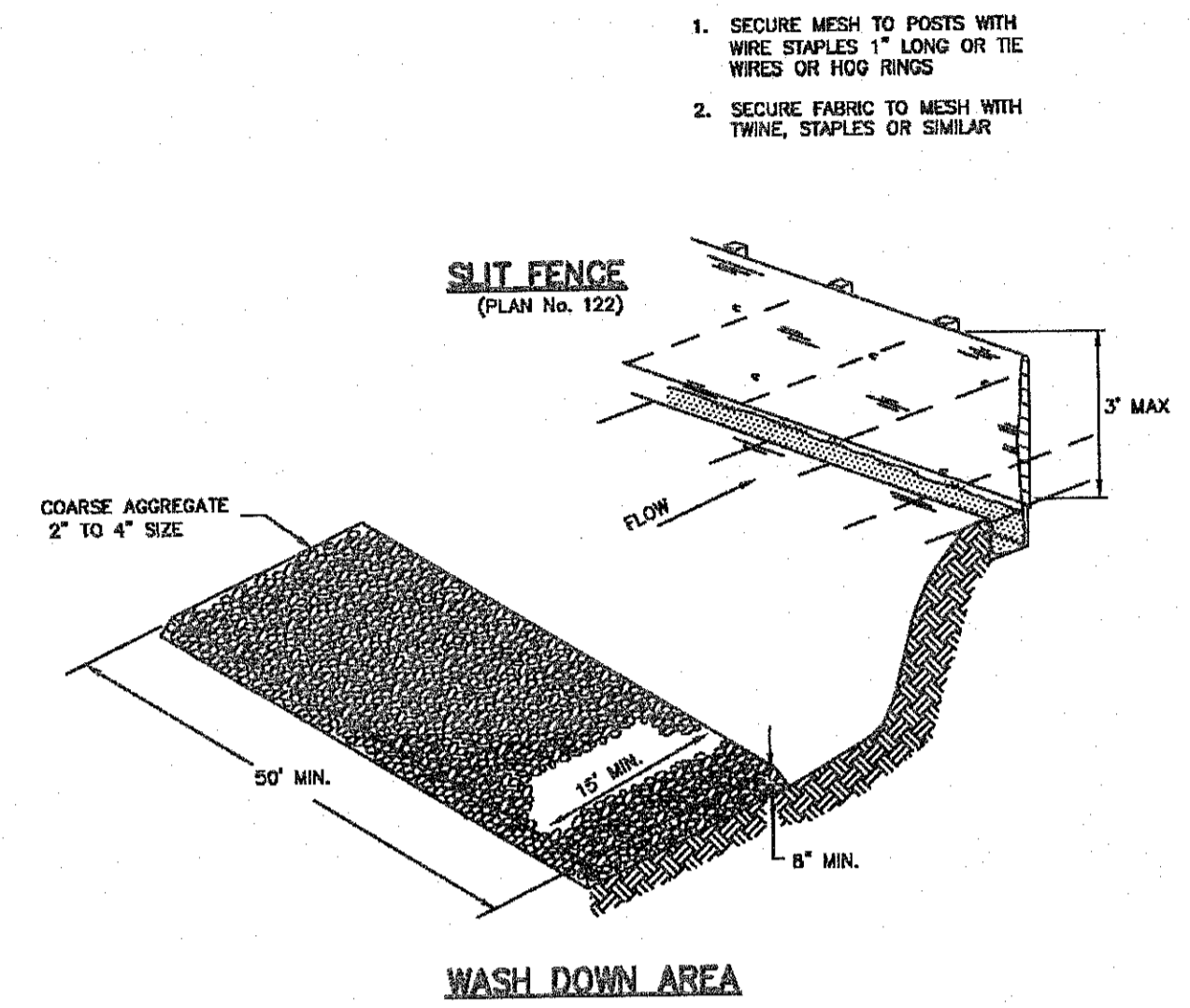
Silt fence

Plan No. 122

February 2006

7

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (SWMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



Equipment and vehicle wash down area

Plan No. 125

February 2006

17

Inlet protection - gravel sock

- DESCRIPTION: Placement of gravel sock on grade upstream of, or in front of storm drain inlets to filter or pond water runoff
- APPLICATION: At inlets in paved or unpaved areas where up gradient area is to be disturbed by construction activities.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
  - On-grade inlet protection:
    - On-grade inlet protection should be used when completely blocking a storm drain inlet box would result in forcing water further downstream would cause flooding or other undesirable results.
    - Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
    - Install filter media just upstream of the inlet box.
    - Filter media shall butt tightly against the face of the curb and angle at approximately a 45 degree angle away from the curb to trap runoff between the media and the curb.
    - Excessive flows will flow either over or around the filter media and into the inlet box.
    - Expect ponding behind the filter media.
  - Drop inlet protection:
    - Drop inlet protection should be used at low points in the curb and when diverting flows further downstream will not cause undesirable results.
    - Prepare filter media (gravel sock, straw waddle, or other approved media) in accordance with manufacturer's recommendations.
    - Install filter media around the entire perimeter of the inlet grate.
    - Filter media shall butt tightly against the face of the curb on both sides of the inlet grate.
    - Excessive flows will either flow around the media or over the top and into the inlet box.
    - Expect ponding around the inlet box.
- MAINTENANCE:
  - Inspect inlet protection after every large storm event and at a minimum of once monthly.
  - Remove sediment accumulated when it reaches 2 inches in depth.
  - Replace filter medium when damage has occurred or when medium is no longer functioning as intended.

10

Stabilized roadway entrance

- DESCRIPTION: A temporary stabilized pad of gravel for controlling equipment and construction vehicle access to the site.
- APPLICATION: At any site where vehicles and equipment enter the public right-of-way.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
  - Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
  - Compact subgrade.
  - Place filter fabric under stone if desired (recommended for entrance area that remains more than 3 months).
- MAINTENANCE:
  - Requires periodic top dressing with additional stones.
  - Prevent tracking or flow of mud into the public right-of-way.
  - Periodic top dressing with 2 inches stone may be required, as conditions demand, and repair any structures used to trap sediments.
  - Inspect daily for loss of gravel or sediment buildup.
  - Inspect adjacent areas for sediment deposit and install additional controls as necessary.
  - Expand stabilized area as required to accommodate activities.

18

Silt fence

- DESCRIPTION: A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched.
- APPLICATION: To intercept sediment from disturbed areas of limited extent.
  - Perimeter Control: Place barrier at down gradient limits of disturbance.
  - Sediment Barrier: Place barrier at toe of slope or soil stockpile.
  - Protection of Existing Waterways: Place barrier at top of stream bank.
  - Inlet Protection.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
  - Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester, or polyethylene yarn. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0 deg. F. to 120 deg. F.
  - Burlap shall be 10 ounces per square yard of fabric.
  - Posts for silt fences shall be either 2" x 4" diameter wood, or 1.33 pounds per linear foot steel with a minimum length of 5 feet. Steel posts shall have projections for fastening wire to them.
  - The fabric is cut on site to desired width, unrolled, and draped over the barrier. The fabric toe is secured with rocks or dirt. The fabric is secured to the mesh with twin, staples or similar devices.
  - When attaching two silt fences together, place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees on a clockwise direction to create a tight seal with the filter fabric. Drive both posts into the ground and bury the flap.
  - When used to control sediments from a steep slope, silt fences should be placed away from the toe of the slope for increased holding capacity.
- MAINTENANCE:
  - Inspected immediately after each rainfall and at least daily during prolonged rainfall.
  - Should the fabric on a silt fence or filter barrier decompose or become ineffective before the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
  - Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
  - Re-anchor fence as necessary to prevent shortcutting.
  - Inspect for runoff bypassing ends of barriers or undercutting barriers.

6

Equipment and vehicle wash down area

- DESCRIPTION: A temporary stabilized pad of gravel for general washing of equipment and construction vehicles.
- APPLICATION: At any site where regular washing of vehicles and equipment will occur. May also be used as a filling point for water trucks limiting erosion caused by overflow or spillage of water.
- INSTALLATION/APPLICATION CRITERIA: Refer to APWA Section 01 57 00.
  - Clear and grub area and grade to provide maximum slope of 1 percent away from paved roadway.
  - Compact subgrade.
  - Place filter fabric under wash down area if desired (recommended for wash area that remains more than 3 months).
  - Install silt fence down gradient (see Plan No. 122)
- MAINTENANCE:
  - Requires periodic top dressing with additional stones.
  - Solely used to control sediment in wash water. Cannot be utilized for washing equipment or vehicles that may cause contamination of runoff (such as fertilizer equipment or concrete equipment).
  - The wash area shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way.
  - Periodic top dressing with 2 inch stone may be required, as conditions demand, and repair any structures used to trap sediments.
  - Inspect daily for loss of gravel or sediment buildup.
  - Inspect adjacent area for sediment deposit and install additional controls as necessary.
  - Expand stabilized area as required to accommodate activities.
  - Maintain silt fence as outlined in Plan No. 122.

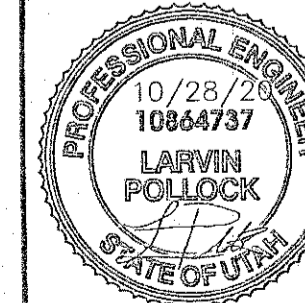
16

NO.	REVISIONS	BY	DATE

ELEVATE ENGINEERING  
 492 WEST 1200 NORTH  
 SPRINGVILLE, UT 84663  
 PHONE: (801) 718-6893  
 info@elevateeng.com

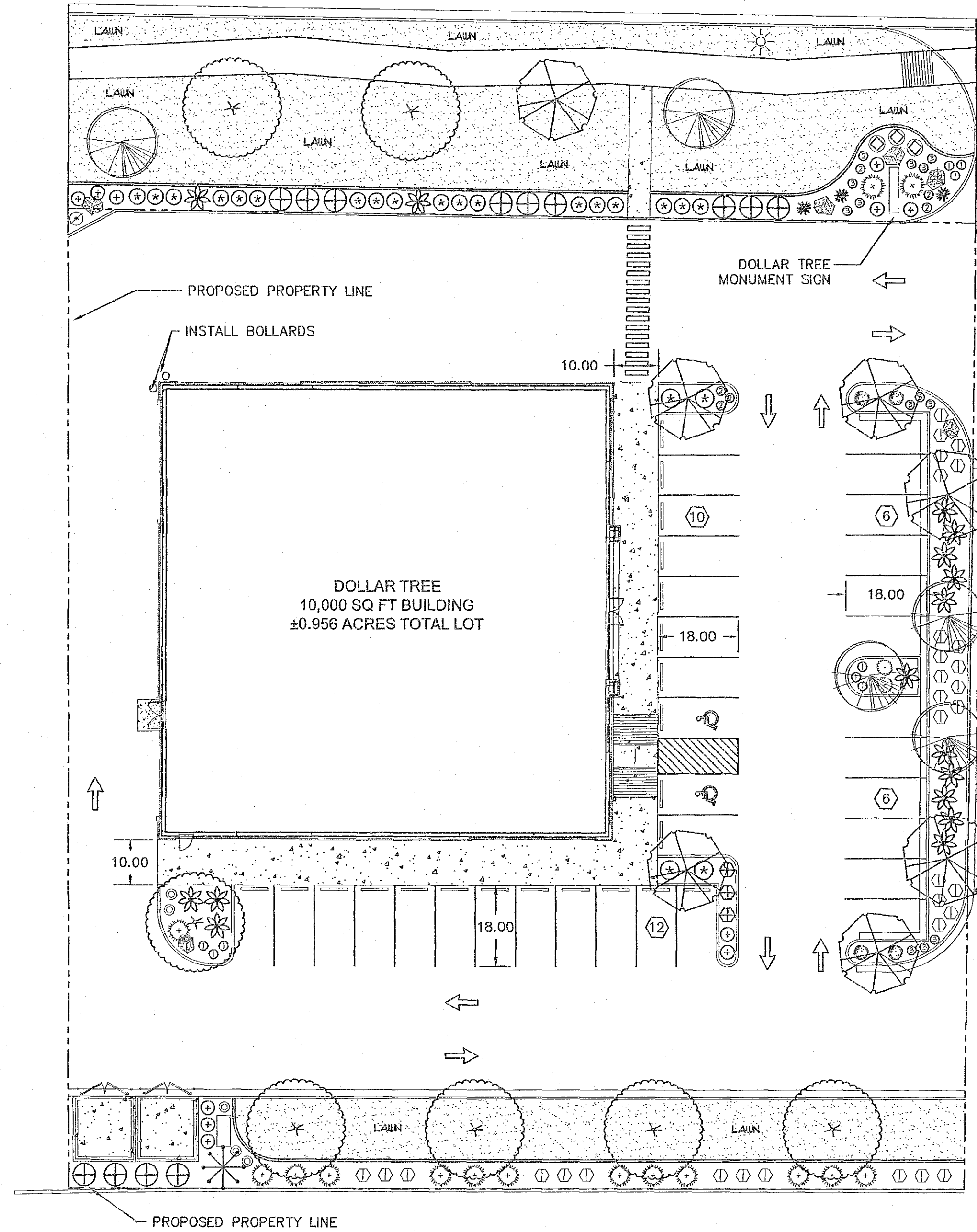
**ELEVATE**  
 ENGINEERING

DOLLAR TREE EAGLE MOUNTAIN  
 SWPPP DETAILS  
 6400 N & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT 84005



SHEET: C-6  
 DATE: Oct 28, 2020

Pony Express Parkway



Plant List (TREES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
1	(Symbol)	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	2" Calliper 8'-10' Height	Full Head Crown Straight Trunk
5	(Symbol)	Malus sp. 'Spring Snow'	Spring Snow Crab	2" Calliper 10'-12' Height	Full Head Crown Straight Trunk
1	(Symbol)	Pinus nigra 'Arnold's Sentinel'	Columnar Austrian Pine	6'-8" Height 5' 4" B	Full Throughout Specimen
1	(Symbol)	Pyrus calleryana 'Chanticleer'	Chanticleer Flowering Pear	2" Calliper 8'-10' Height	Full Head Crown Straight Trunk

Plant List (SHRUBS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
1	(Symbol)	Berberis thunb. 'Crimson Pygmy'	Crimson Pygmy Barberry	5 Gallon	15"-18" Height
22	(Symbol)	Caryopteris clandestina	Blue Mist Spiraea	5 Gallon	18"-24" Height
16	(Symbol)	Physocarpus o. 'Summer Wine'	Summer Wine Ninebark	5 Gallon	24"-30" Height
15	(Symbol)	Rhus aromatica 'Grow-Low'	Grow Low Sumac	5 Gallon	18"-24" Spread
4	(Symbol)	Rosa 'Knock Out Red'	Knock Out Red Rose	5 Gallon	18"-24" Height
3	(Symbol)	Rosa 'Maidland Red'	Red Groundcover Rose	5 Gallon	18"-24" Spread
2	(Symbol)	Spiraea bumalda 'Goldmound'	Goldmound Spiraea	5 Gallon	15"-18" Height
11	(Symbol)	Spiraea japonica 'Neon Flash'	Neon Flash Spiraea	5 Gallon	15"-18" Height
3	(Symbol)	Yucca filam. 'Golden Sword'	Golden Sword Yucca	5 Gallon	15"-18" Height

Plant List (ORNAMENTAL GRASSES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
3	(Symbol)	Calamagrostis a. 'Avalanche'	Avalanche Feather Grass	5 Gallon	24"-30" Height
32	(Symbol)	Calamagrostis a. 'Foerster'	Foerster Feather Grass	5 Gallon	24"-30" Height
13	(Symbol)	Miscanthus sinensis 'Gracillimus'	Maiden Grass	5 Gallon	24"-30" Height
5	(Symbol)	Pennisetum alopec. 'Hains'	Hains Fountain Grass	5 Gallon	15"-18" Height

Plant List (PERENNIALS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
9	(Symbol)	Agastache 'Sunset'	Sunset Hyssop	1 Gallon	Full Can
1	(Symbol)	Hemerocallis 'Stella d'Oro'	Stella d'Oro Day Lily	1 Gallon	Full Can
12	(Symbol)	Salvia 'East Friesland'	East Friesland Sage	1 Gallon	Full Can

\*\* Plant material quantities are provided for convenience in bidding ONLY!! The contractor shall provide and install all plant materials either shown or noted on the plans, and of the sizes and heights specified.

Legend

Symbol	Description	Remarks
(Symbol)	Landscape Boulder / 3'-4' Min. Size / Individually Placed	Boulder Type And Color Shall Be From Nearest Local Source, Blonde-Tan Colored Quartzite, Block Edges (Not Rounded).
(Symbol)	4" x 6" Extruded Concrete Mowstrip / Natural Color	Install In Straight True Lines And Uniform Curves, 4' Between All Lawn And Shrub Areas. Compact Sub-grade To 92% Prior To Installation.
(Symbol)	New Lawn Area / Water Conservative Mixture	Install In Areas Shown Over A 6" Inch Depth Of Import Topsoil. Top Of Lawn To Be 1" Inch Below Finish Grade Of Concrete Surfaces.
(Symbol)	Rock ONLY Area / Cobble / 4" Minus Size / 'Nephi Gray'	Install In Areas Shown To A Depth Of 6" Inches Over "Dellitt" Brand Used Barrier Fabric. Submit Gray Sample For Approval.
(Symbol)	New Shrub - Rock Area / 1 1/2" Min. Size / Earthtone Color	Install In Areas Shown To A Depth Of 4" Inches Over "Dellitt" Brand Used Barrier Fabric. Rock To Match Adjacent South Property.

Planting Notes

- All lawn areas shall receive a 6" inch depth of topsoil, shrub areas 4" inch depth. If topsoil is not available at the site, it must be imported from an approved local source. All topsoil shall be of a sandy loam consistency. Provide a chemical analysis of all topsoil for approval.
- Prior to placement of topsoil, all subgrade areas shall be loosened by scarifying the soil to a depth of 6" inches, by the use of mechanical means, in order to create a transition layer between existing and new soils.
- All plant material holes shall be dug twice the diameter of the rootball and 6" inches deeper. Excavated material shall be removed from the site.
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (80il Pep/lor equal), and shall be rotary mixed on-site prior to installation.
- Plant fertilizer shall be "Agriform" brand 21 gram tablets used as per manufacturers recommendations.
- Upon completion of planting operations, all shrub pits and tree wells shall receive a 4" inch depth of shredded bark mulch mixture as a cover. The overall shrub beds themselves (beyond plant wells) shall receive a 4" depth of decorative stone surfacing over Pro-5 used barrier fabric.
- In decorative stone beds, cut the fabric from around the water well of each plant, then apply fine ground bark inside water well. The remainder of the planter bed shall receive the depth of decorative stone.
- Landscape maintenance shall be required for a period through the second mowing of the lawn (30 days minimum) and shall include weeding, pruning and one fertilization.
- The contractor shall comply with all warranties and guarantees set forth by the Owner, and in no case shall that period be less than two years following the date of completion and final acceptance.
- As shown and noted, the irrigation system water supply is from a secondary (non culinary) source, and its availability can be affected by climatic conditions, with the normal season extending from mid April to mid October. If any interruptions in water availability occur, the contractor shall coordinate with the Owner on the availability of possible temporary watering measures to keep all plant materials in a healthy condition.

General Notes

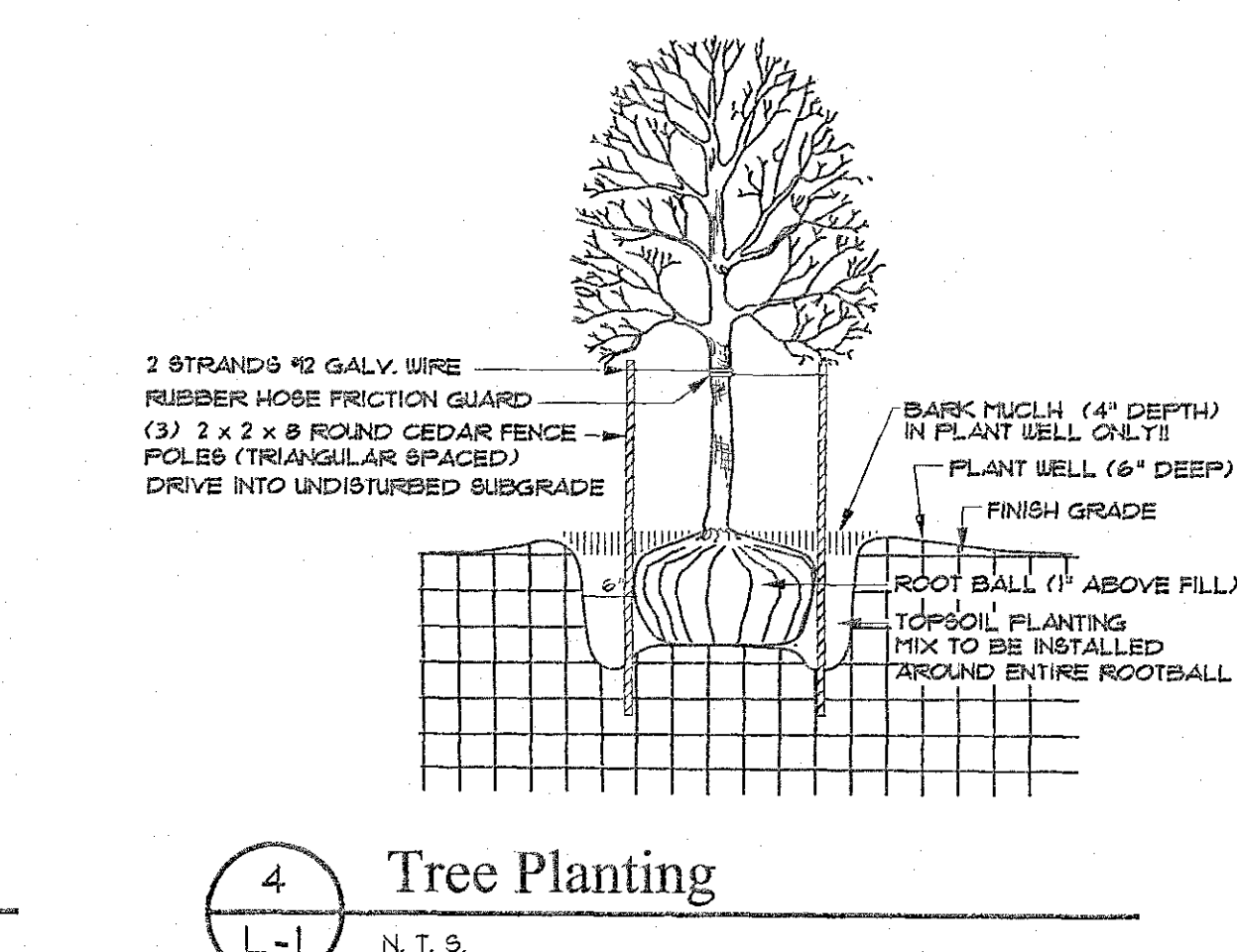
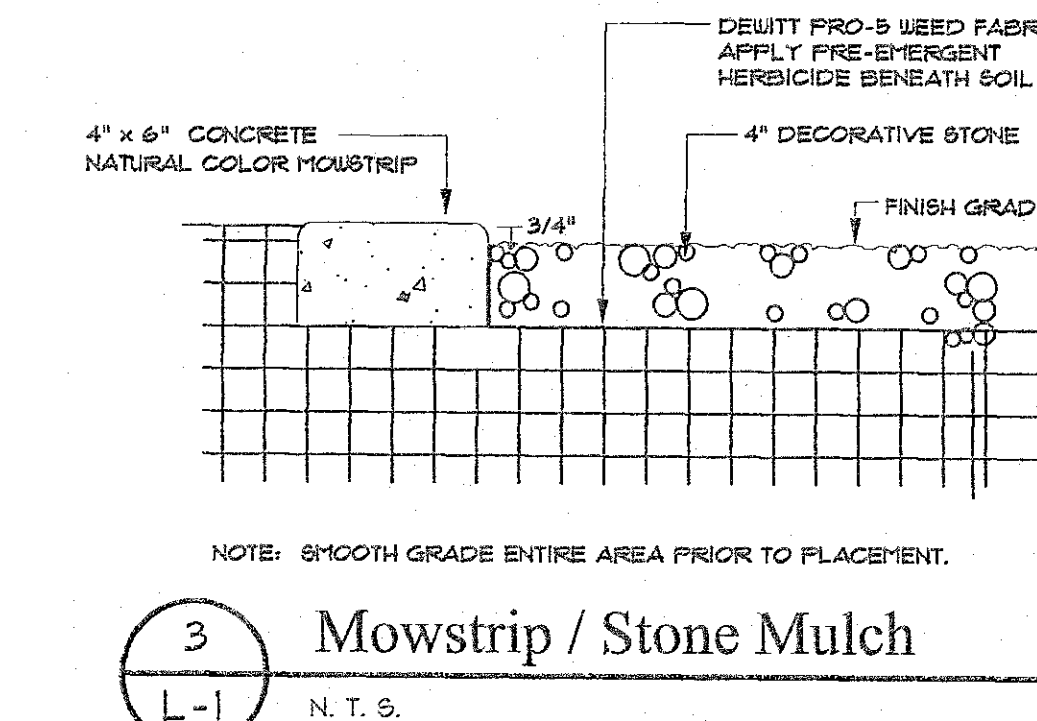
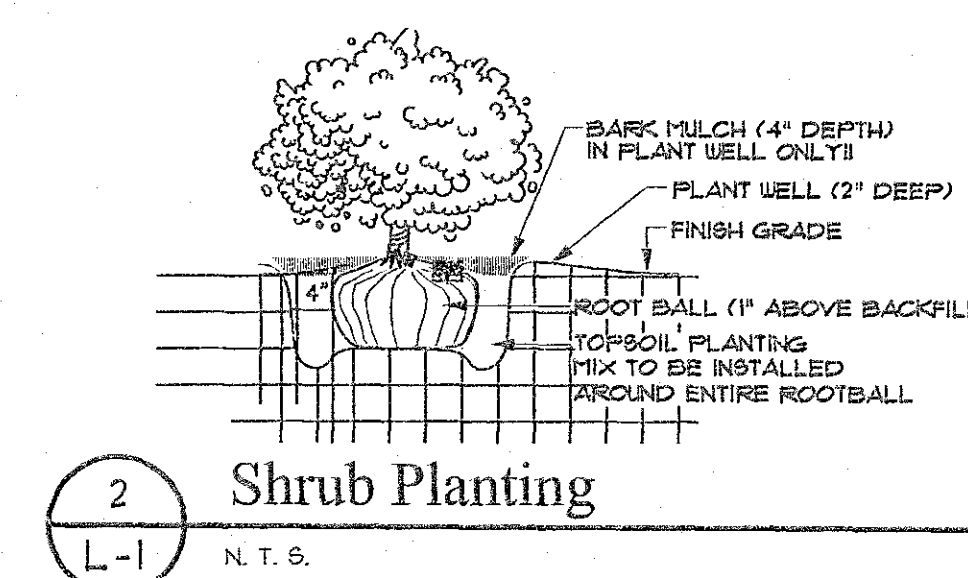
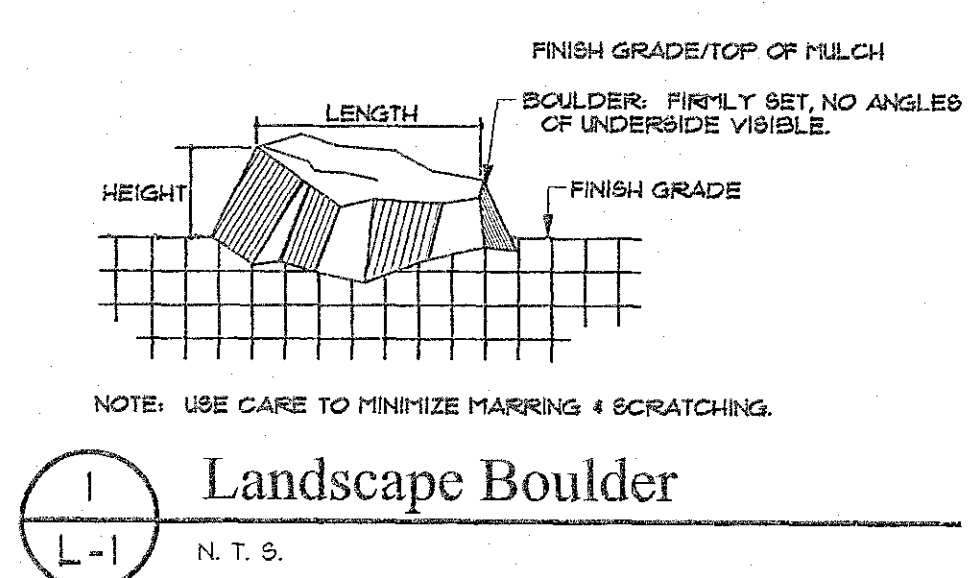
- All bidding landscape contractors shall have a minimum of 5 years experience in the installation of commercial landscape and irrigation projects, and be able to supply the necessary staff to perform all tasks associated with these drawings, and in a professional and timely manner.
- The landscape contractor, at all times, shall have personnel on-site experienced in being able to interpret the drawings correctly, and accurately measure the design layout using the specified scales.
- The contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning work. The contractor shall coordinate his work with the project manager and all other contractors working on the site.
- The finish grade of all planting areas shall be smooth, even and consistent, free of any humps, depressions or other grading irregularities. The finish grade of all landscape areas shall be graded consistently 1/2" below all walks, curbs, etc.
- The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
- All plant materials shall be approved prior to planting. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the specifications.
- The contractor shall plant all plants per the planting details, stake/guy as shown. The top of the rootballs shall be planted flush with the finish grade.

Sub-Grade Requirements

- LAWN & SHRUB AREAS: Eight (8) inches below finish grade. This will allow for the installation of a six inch depth (lawn) and 4 inch depth (shrub) of topsoil along with a four inch depth of bark mulch or decorative stone, leaving it slightly below finish grade and concrete areas.
- SUB-GRADE COORDINATION: The Landscape contractor shall meet early on in the construction process with the site grading contractor, in order to ensure that all sub-grades, prior to final topsoil placement, are provided. Any discrepancies or questions shall be discussed and resolved at that time. Landscape operations shall not begin until the specified sub-grade elevations have been provided.

Submittal Requirements

- The contractor shall provide to the Owner/Engineer product samples of all landscape materials such as boulders, decorative stone, bark mulches, used barrier fabric, soil amendments & import topsoil in order to obtain approval to be used on the project, and prior to shipment to the site. Failure to provide this in a timely manner will in no way affect or delay the construction schedule and time for project completion.
- All plant materials shall be secured for the project a minimum of 60 days prior to shipment to the site. The contractor shall provide to the Owner/Engineer written confirmation of this a minimum of 30 days prior to planting of the project. No substitutions will be considered following this time period.



1 Landscape Boulder  
L-1 N.T.S.

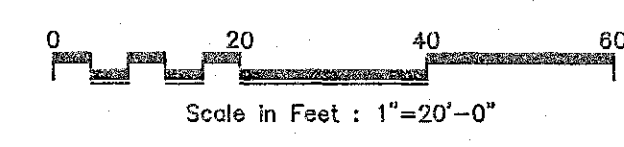
2 Shrub Planting  
L-1 N.T.S.

3 Mowstrip / Stone Mulch  
L-1 N.T.S.

4 Tree Planting  
L-1 N.T.S.

Landscape Architect

RDL Design Company, Inc.  
1020 East Yale Avenue  
Salt Lake City, Utah 84105  
Phone: 801-641-3114  
Email: rdlcdesign@comcast.net



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 486 WEST 1200 NORTH  
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 info@elevateeng.com

ELEVATE

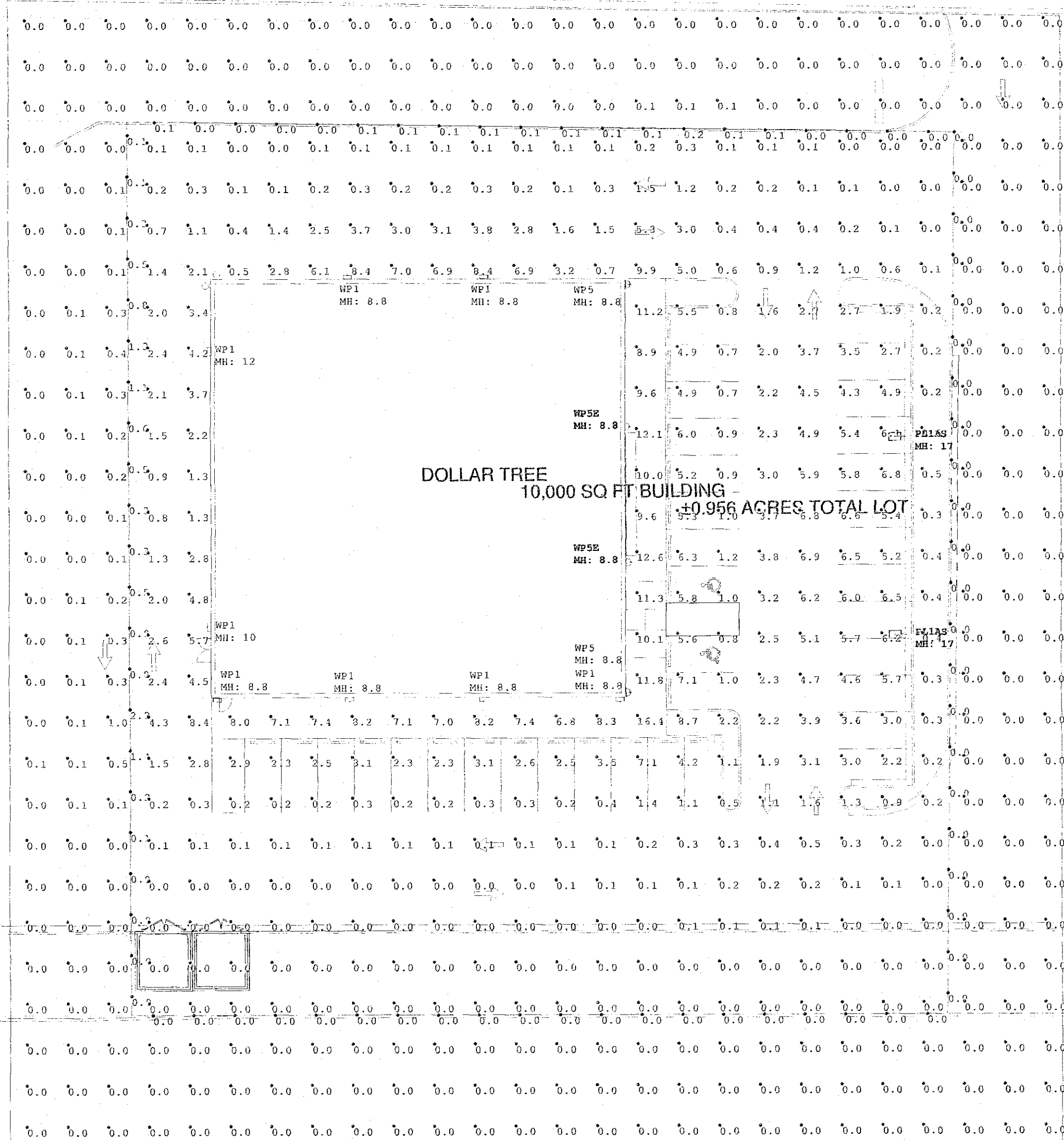
DOLLAR TREE EAGLE MOUNTAIN  
 LANDSCAPE PLAN  
 6400 N. & PONY EXPRESS PKWY EAGLE MOUNTAIN, UT.

PROJECT ENGINEER: LP  
 DESIGNER: DL

SHEET: L-1  
 DATE: 09-23-2020

# PONY EXPRESS PARKWAY

(18,000 VEHICLES PER DAY)

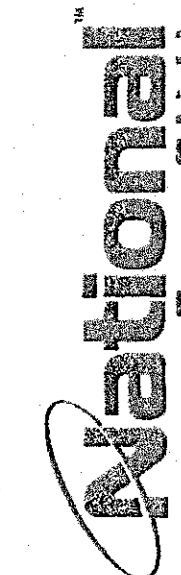


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[Symbol]	2	PLIAS	SINGLE	12044	0.950	SLM-LED-18L-SIL-FT-40-70CRI-IL-SINGLE - 15' POLE + 2' BASE	297	B1-U0-G3
[Symbol]	2	WP5E	SINGLE	6164	0.950	XWM-2-LED-06-40-BB - 8.8' MOUNTING HEIGHT	108	B2-U0-G1
[Symbol]	2	WP5	SINGLE	6164	0.950	XWM-2-LED-06-40 - 8.8' MOUNTING HEIGHT	108	B2-U0-G1

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PROPERTY LINE	Illuminance	Fc	0.16	2.2	0.0	N.A.	N.A.
DELIVERY AREA SUMMARY	Illuminance	Fc	5.10	5.7	4.5	1.13	1.27
DUMPSTER AREA SUMMARY	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
PARKING AREA SUMMARY	Illuminance	Fc	2.26	8.7	0.0	N.A.	N.A.
STORE FRONT AREA SUMMARY	Illuminance	Fc	10.72	12.6	8.9	1.20	1.42

LumNo	Label	X	Y	Z	Orient	Tilt
1	PLIAS	421.813	180.336	17	180	0
2	PLIAS	421.764	132.092	17	180.704	0
5	WP1	284.79	116.128	8.8	270	0
6	WP1	317.703	116.162	8.8	270	0
11	WP1	284.445	220.063	8.8	90	0
15	WP5E	353.536	182.979	8.8	0	0
16	WP5E	353.773	149.907	8.8	0	0
17	WP5	353.694	118.213	8.8	0	0
26	WP1	317.925	220.151	8.8	90	0
27	WP1	249.974	134.313	10	180	0
28	WP1	249.974	201.585	12	180	0
29	WP1	351.203	116.071	8.8	270	0
30	WP1	252.318	116.071	8.8	270	0
31	WP5	353.732	217.71	8.8	0	0

**TOTAL LUMENS = 85,168**



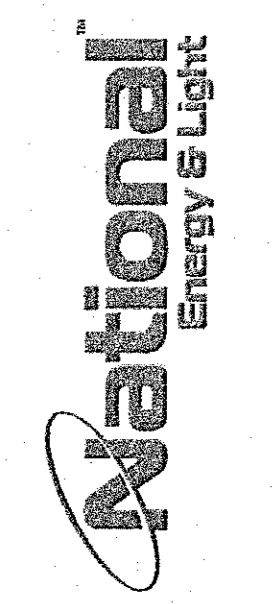
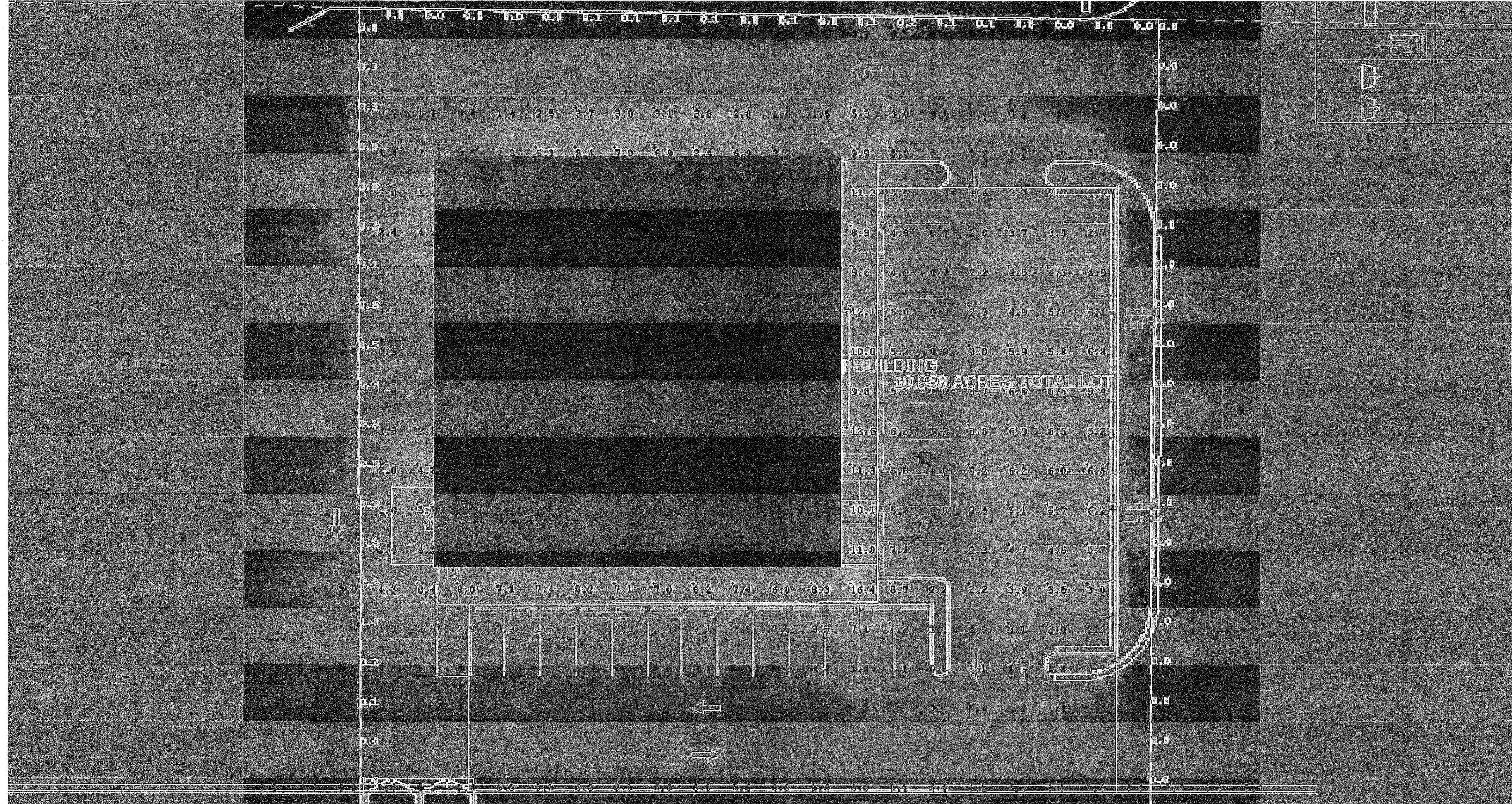
14 Cellina Ave.  
Nashua, NH 03063  
603-864-8635  
www.nelcompany.com

Date	Comments

**Revisions**

Drawn By: DCB
Checked By: PC AL
Date: 8/26/2020
Scale:

**DOLLAR TREE R4**  
**EAGLE MOUNTAIN, UT**



14 Cellina Ave.  
 Nashua, NH 03063  
 603-864-8635  
 www.nelcompany.com

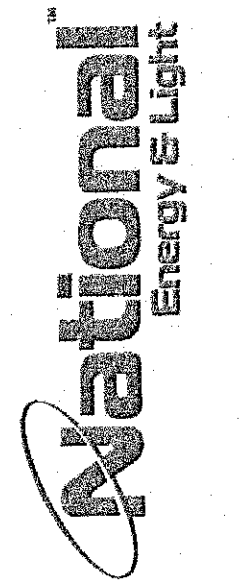
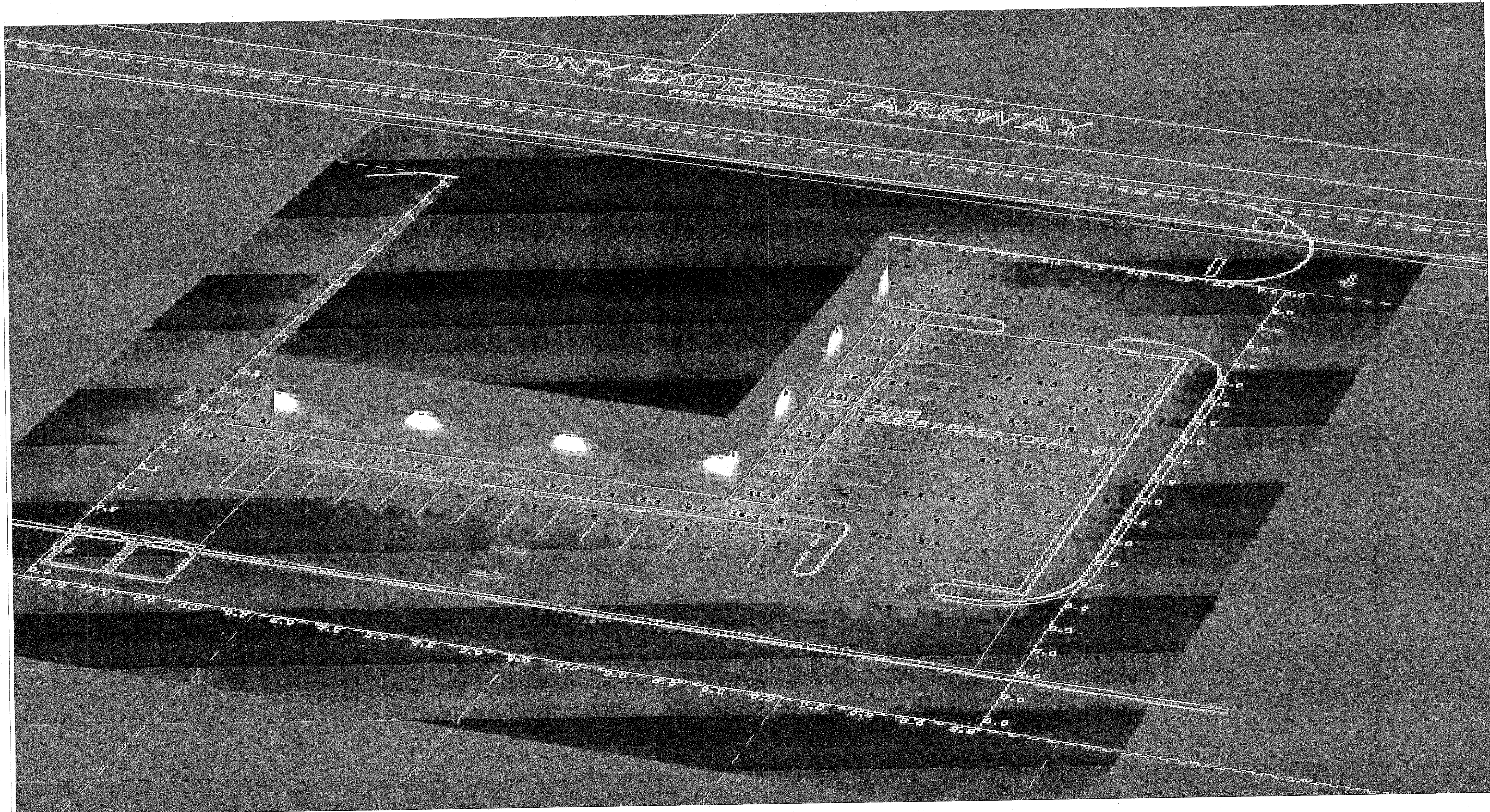
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Revisions

Drawn By: DCB  
 Checked By: PC AL  
 Date: 8/26/2020

Scale:

**DOLLAR TREE R4**  
**EAGLE MOUNTAIN, UT**



14 Celina Ave.  
 Nashua, NH 03063  
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#	Date	Comments

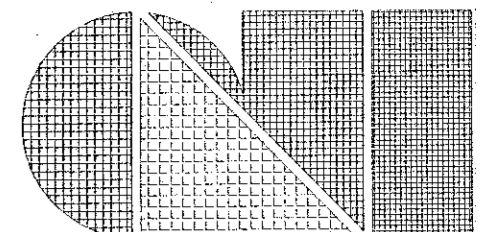
Revisions

Drawn By: DCB  
 Checked By: PC AL  
 Date: 8/26/2020

Scale:

**DOLLAR TREE R4**

**EAGLE MOUNTAIN, UT**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 200  
BELMONT, NC 28012

Ph. 704-342-1886  
Fx. 704-343-0054  
EMAIL: INFO@CLHELTCOM

ARCHITECT'S PROJECT # 20061

Project :  
**PROPOSED DOLLAR TREE**  
FOR  
LEADING TECH DEVELOPMENT, LLC  
**EAGLE MOUNTAIN, UTAH**

Sheet Description :  
**ELEVATIONS**

Seal

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INC. AND OR TIMOTHY JOHNSTON, ARCHITECT

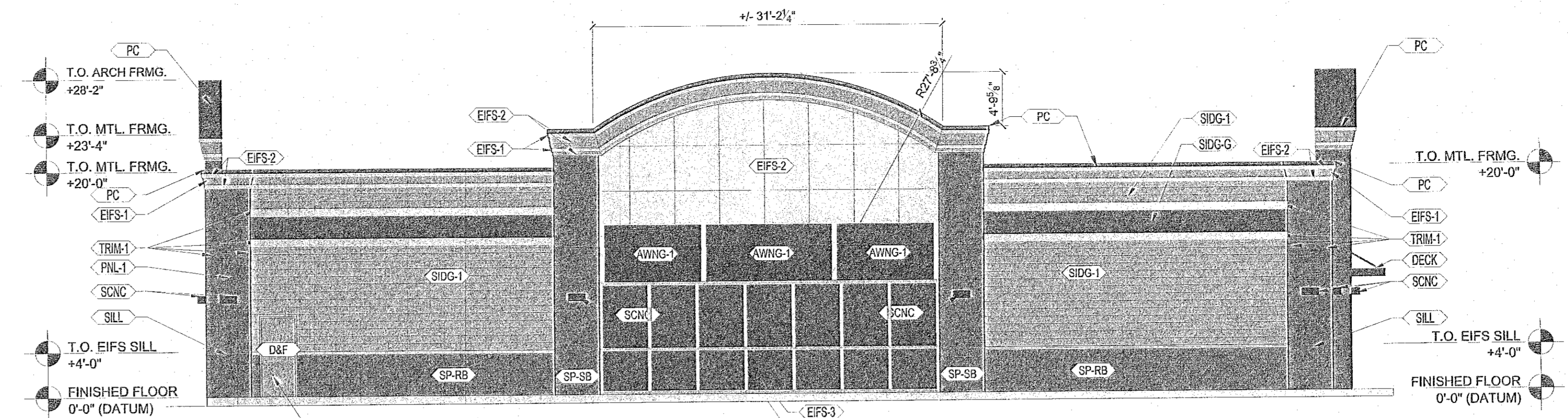
Drawn By :  
**J. ZINK**  
Checked By :  
**D. MYERS**

Revisions :

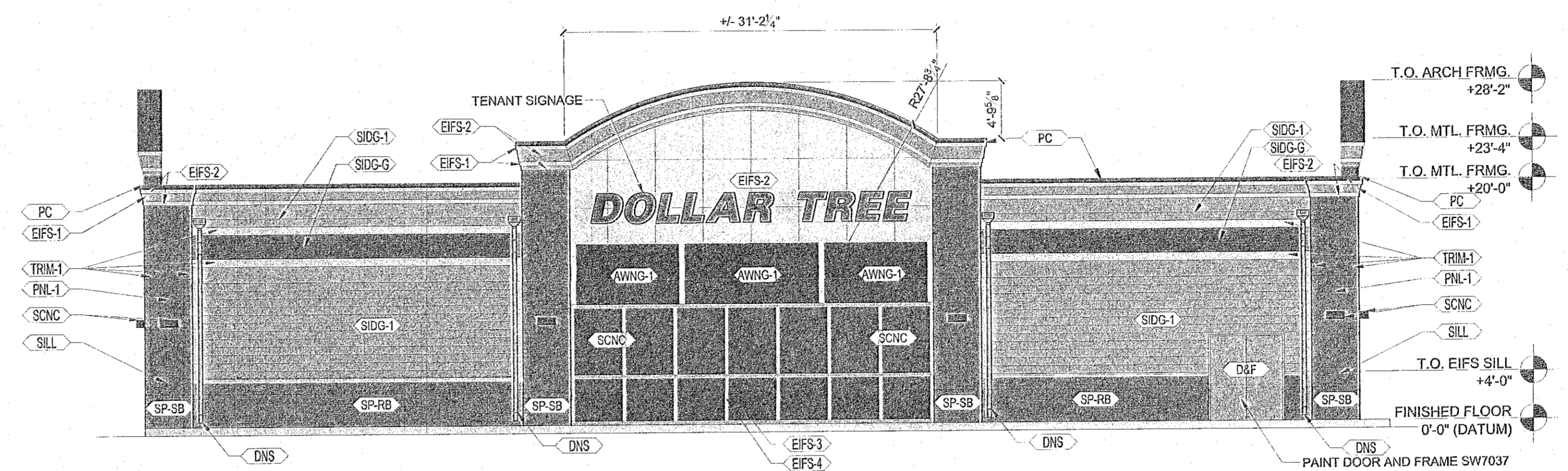
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**04/27/2020**

Sheet No.

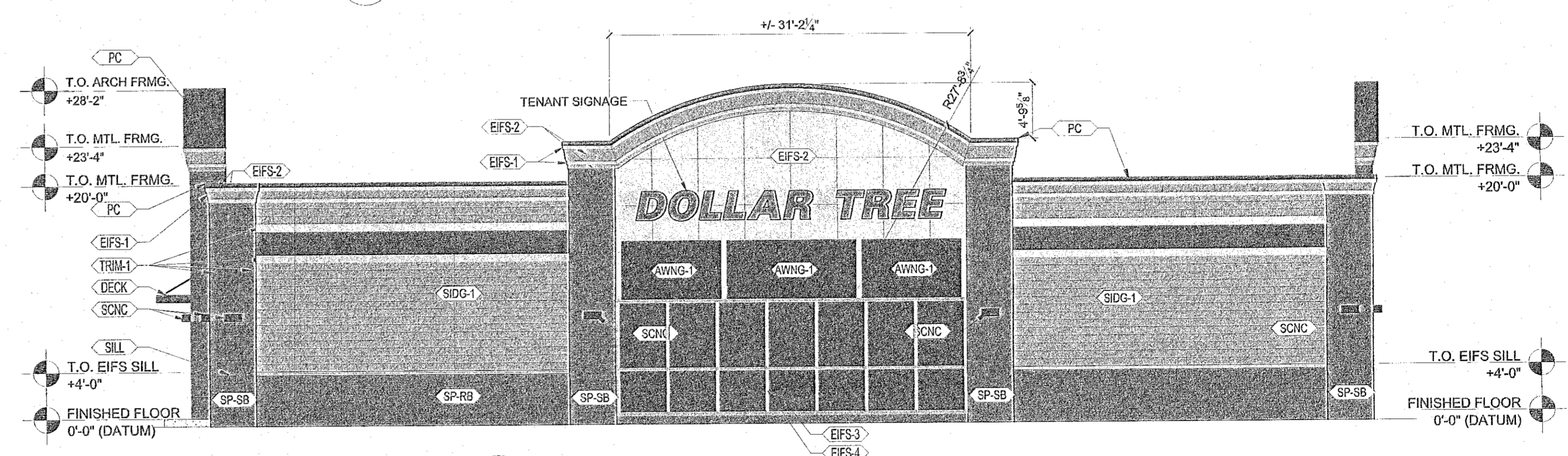
**A2.0**



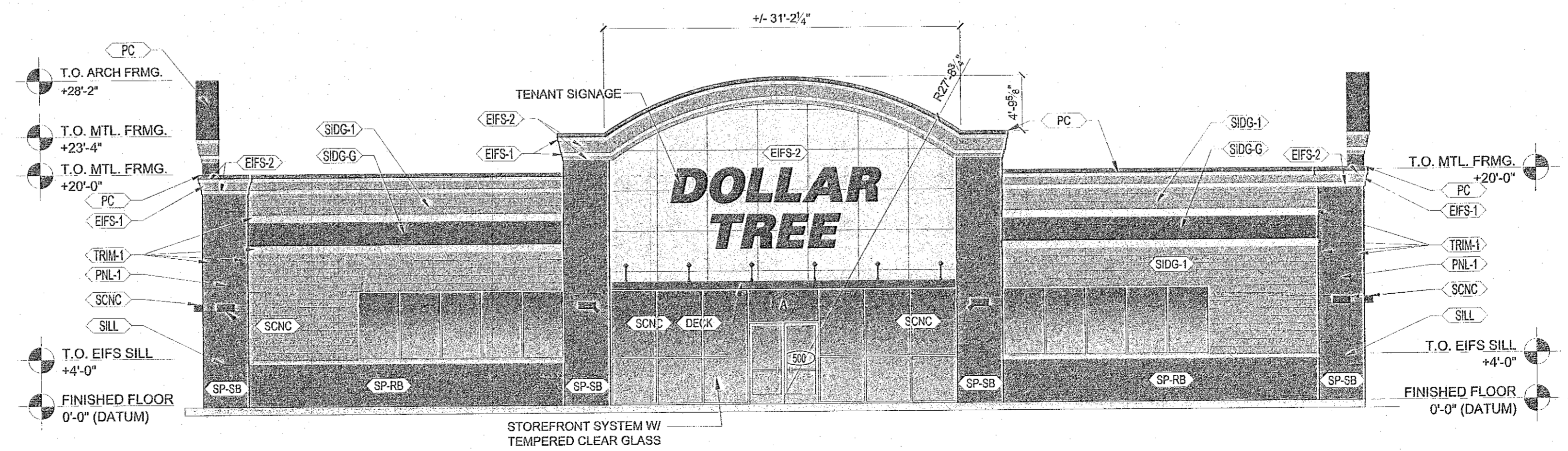
**4 LEFT ELEVATION (SOUTH)**  
SCALE: 1/8" = 1'-0"



**3 REAR ELEVATION (WEST)**  
SCALE: 1/8" = 1'-0"



**2 RIGHT ELEVATION (NORTH)**  
SCALE: 1/8" = 1'-0"



**1 EAST ELEVATION (MAIN ENTRANCE)**  
SCALE: 1/8" = 1'-0"

### ELEVATION LEGEND

KEYNOTE	HATCH	DESCRIPTION	COLOR
SP-RB	[Hatch]	SPLIT FACED CMU VENEER - RUNNING BOND	SHERWIN WILLIAMS - 'VIRTUAL TAUPE' - SW7039, SATIN PAINT
EIFS-1	[Hatch]	EIFS - COLOR 1 (FINISH - PRODUCT STO 310)	STO 'SANDSTONE' 93860 (NA10-0052) - SHERWIN WILLIAMS - 'BALANCED BEIGE' SW7037
EIFS-2	[Hatch]	EIFS - COLOR 2 (FINISH - PRODUCT STO 310)	STO 'SMOKED PUTTY' 93240 (NA10-0053) - SHERWIN WILLIAMS - 'AESTHETIC WHITE' - SW7035
EIFS-3	[Hatch]	EIFS - (FINISH - PRODUCT STO 310)	STO OR SHERWIN WILLIAMS COLOR SW9179 'ANCHORS AWAY'
EIFS-4	[Hatch]	EIFS - (FINISH - PRODUCT STO 310)	STO OR SHERWIN WILLIAMS COLOR TO MATCH STOREFRONT FRAME
SDNG-1	[Hatch]	8" PROFILE FIBER CEMENT LAP SIDING - SMOOTH FINISH	SHERWIN WILLIAMS - 'BALANCED BEIGE' - SW7039, SATIN PAINT
SDNG-G	[Hatch]	8" PROFILE FIBER CEMENT LAP SIDING - SMOOTH FINISH	SHERWIN WILLIAMS - 'ENVY' - SW6925, SATIN PAINT
PNL-1	[Hatch]	FIBER CEMENT PANEL SIDING - SMOOTH FINISH	SHERWIN WILLIAMS - 'BALANCED BEIGE' SW7037
TRIM-1	[Hatch]	FIBER CEMENT TRIM - SMOOTH FINISH	SHERWIN WILLIAMS - 'AESTHETIC WHITE' - SW7035
SILL	[Hatch]	3 3/8" x 3 5/8" EIFS SILL W/ BEVEL - SEE DETAIL 7/A-2.1	STO 'SMOKED PUTTY' 93240 (NA10-0053) - SHERWIN WILLIAMS - 'AESTHETIC WHITE' - SW7035
PC	[Hatch]	24 GAUGE KYNAR COATED METAL COPING (PROVIDED BY METAL BUILDING MANF.)	SHERWIN WILLIAMS - 'ENVY' - SW6925
DNS	[Hatch]	PRE-FINISHED METAL COLLECTOR HEAD & DOWNSPOUT (SIZED & PROVIDED BY METAL BUILDING MANF.)	SHERWIN WILLIAMS - 'VIRTUAL TAUPE' - SW7039
DECK	[Hatch]	3'-0" METAL DECK CANOPY - HANGER ROD SUPPORTED W/ 8" FASCIA - SUPPLIED & INSTALLED BY SIGN VENDOR - GC TO PROVIDE & INSTALL WALL BOLTS (SEE A-4.0)	SHERWIN WILLIAMS - 'ENVY' - SW6925
AWNG-1	[Hatch]	FABRIC AWNING ON METAL FRAME	FABRIC COLOR EQUAL TO SERGE FERRARI SOLTIS PROOF 502 (PRE-CONTRAINED SATIN) AWNING WALNUT STAIN 502V2-2137C FRAME COLOR TO BE BLACK
SCNC	[Hatch]	LSI LED PATRIOT WALL SCONCE @ 8'-8" A.F.F. (SEE ELECTRICAL)	BRZ - 'BRONZE'
D&F	[Hatch]	N/A	SEE ELEVATIONS
A	STOREFRONT TYPE (REFER TO SHEET A1.0)	PAINTING NOTES: CMU - (1) COAT OF S-W LOXON BLOCK SURFACER A24W200 (OR EQUAL). (2) COATS OF S-W CONPLEX XL ELASTOMERIC HIGH BUILD COATING, A5-400 SERIES (OR EQUAL)	
500	DOOR NUMBER (REFER TO SHEET A1.0)	METAL- (2) COATS OF S-W METALATEX ACRYLIC SEMI-GLOSS (B42 SERIES) LINTELS- PAINT STOREFRONT LINTELS PER 'METAL' NOTE ABOVE WITH SHERWIN WILLIAMS 'BALANCED BEIGE' SW7037 AFTER PRIMING WITH (1) COAT OF S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER (866-310 SERIES)	