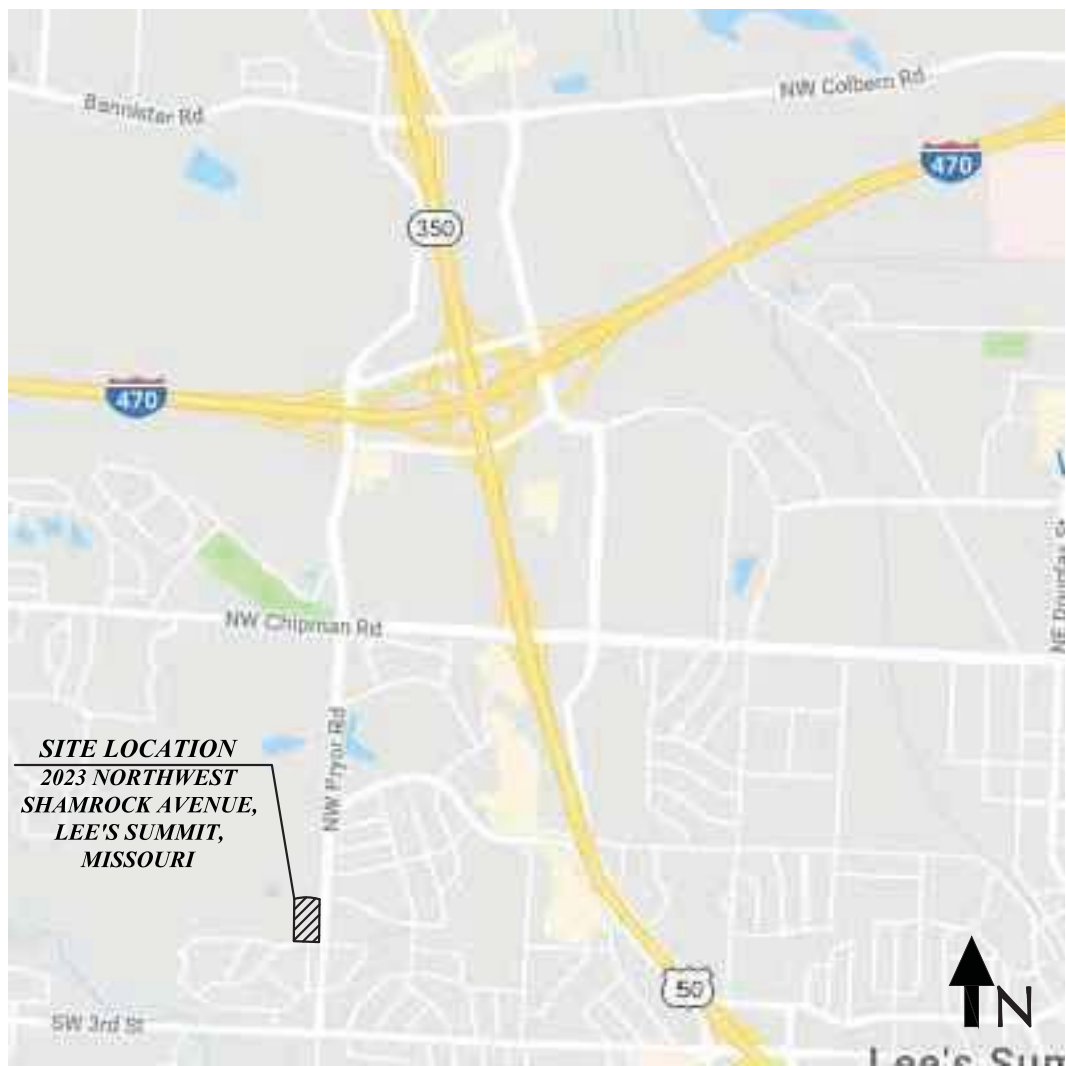


CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

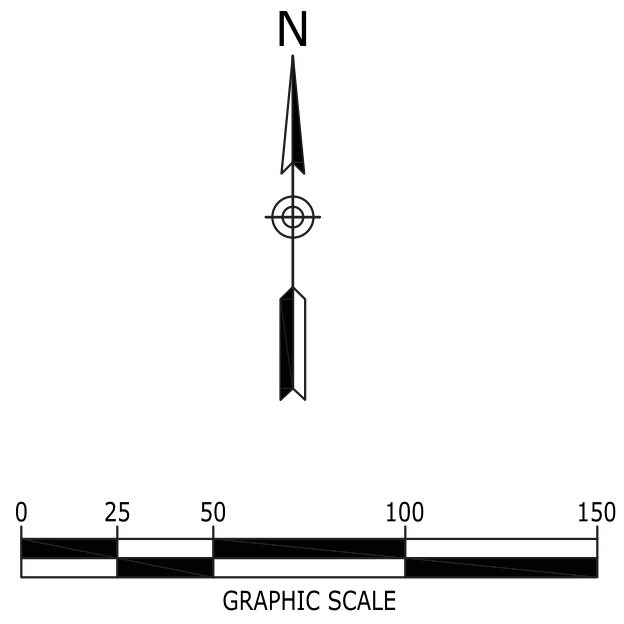
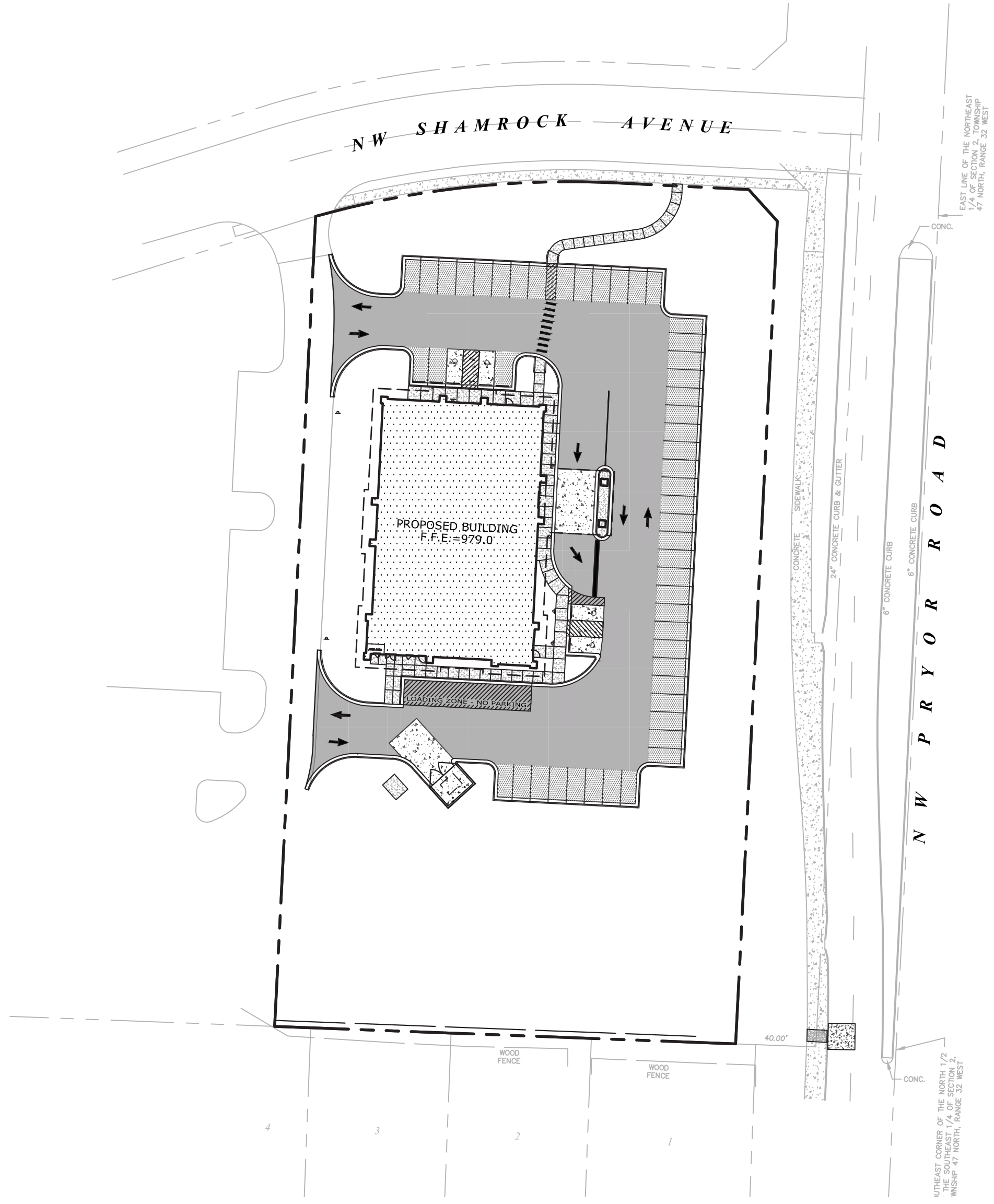
CATALYST PROJECT NO. 20180111
11/06/2019



VICINITY MAP
NOT TO SCALE

SITE DATA

PARCEL ID.: 62-240-99-04-00-0-00-000
SITE ADDRESS: 2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI 64081
LEGAL DESCRIPTION: LOT 2, WEST VILLAGE COMMERCIAL DEVELOPMENT
LOTS 1-3, SUBDIVISION IN LEE'S SUMMIT,
JACKSON COUNTY, MISSOURI
2.225 AC. (96,932 FT²)
SITE ACREAGE: 2.225 AC. (96,932 FT²)
EXISTING ZONING: PMIX - PLANNED MIXED USE DISTRICT
PROPOSED USE: DIALYSIS CLINIC
PROPOSED MAX. BUILDING HEIGHT: 1 STORIES
PROPOSED BUILDING SQUARE FOOTAGE: 10,442 S.F.
FLOOR AREA RATIO OF SITE: 0.11 (10,442 FT²/ 96,932 FT²)
IMPERVIOUS SURFACE AREA
BUILDINGS: 0.24 AC. (10,442 FT²)
DRIVES/SIDEWALKS: 0.78 AC. (34,316 FT²)
TOTAL PROPOSED IMPERVIOUS AREA: 1.02 AC. (44,590 FT²)
PROPOSED ISR: 0.46
ALLOWED ISR: 0.80
PARKING SUMMARY
PARKING REQUIRED: 5 SPACES PER 1,000 S.F.
(PARKING REQUIREMENTS) 52 SPACES REQUIRED
PARKING PROVIDED: 52 SPACES (4 ACCESSIBLE)
OWNER: DIALYSIS CLINIC, INC.
ADDRESS: 1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061
PHONE NO.: BILL WOOD
CONTACT NAME: bwood@dcilinc.org
CONTACT E-MAIL ADDRESS:
PROJECT REPRESENTATIVE: CATALYST DESIGN GROUP
ADDRESS: 5016 CENTENNIAL BLVD., STE 200
NASHVILLE, TN 37209
615.866.2410
PHONE NO.: PHILLIP PIERCY
CONTACT NAME: pplercy@catalyst-dg.com
CONTACT E-MAIL ADDRESS:
FEMA PANEL:
THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO
COMMUNITY PANEL NO. 29095C0416G, JANUARY 20, 2017, COMMUNITY NAME: FEMA COMMUNITY NAME.

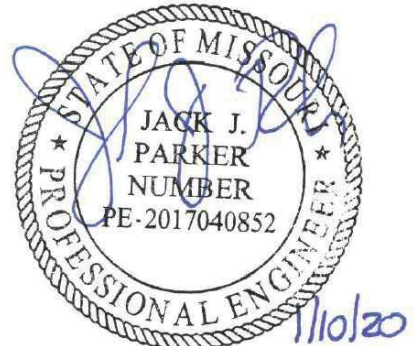


Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS
C2.0	GENERAL NOTES
C3.0	INITIAL EROSION CONTROL PLAN
C3.1	INTERMEDIATE EROSION CONTROL PLAN
C3.2	FINAL EROSION CONTROL PLAN
C3.3	SEDIMENT AND EROSION CONTROL DETAILS
C4.0	LAYOUT PLAN
CS.0	GRADING & DRAINAGE PLAN
C6.0	UTILITY PLAN
C7.0	SITE DETAILS
C7.1	SITE DETAILS
C7.2	SITE DETAILS
C7.3	SITE DETAILS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS
A0.0	ARCHITECTURAL SITE PLAN
A0.1	DUMPSTER ENCLOSURE DETAILS
A3.0	ROOF PLAN
A4.0	ELEVATIONS
A4.1	ELEVATIONS
A5.0	BUILDING SECTIONS
A5.1	BUILDING SECTIONS
E1.1	SITE PHOTOMETRICS
E1.2	SITE PHOTOMETRIC FIXTURES

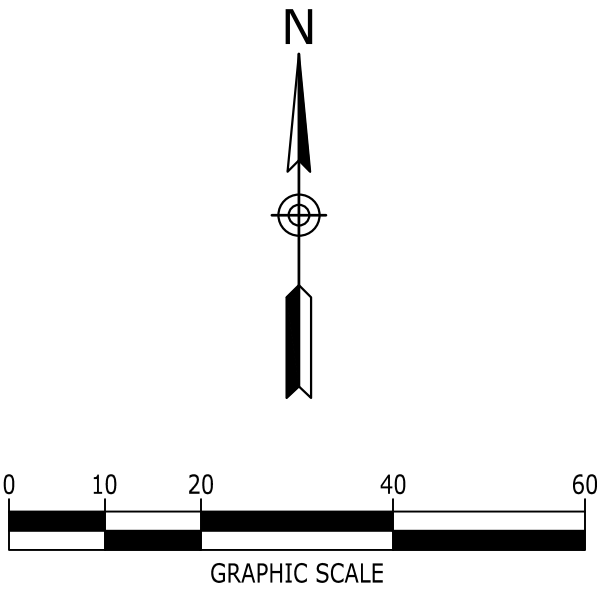
ARCHITECT
RANDY DOVER
4121 HILLSBORO RD SUITE 303
NASHVILLE, TN 37215
615.251.3388

PREPARED FOR
DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061

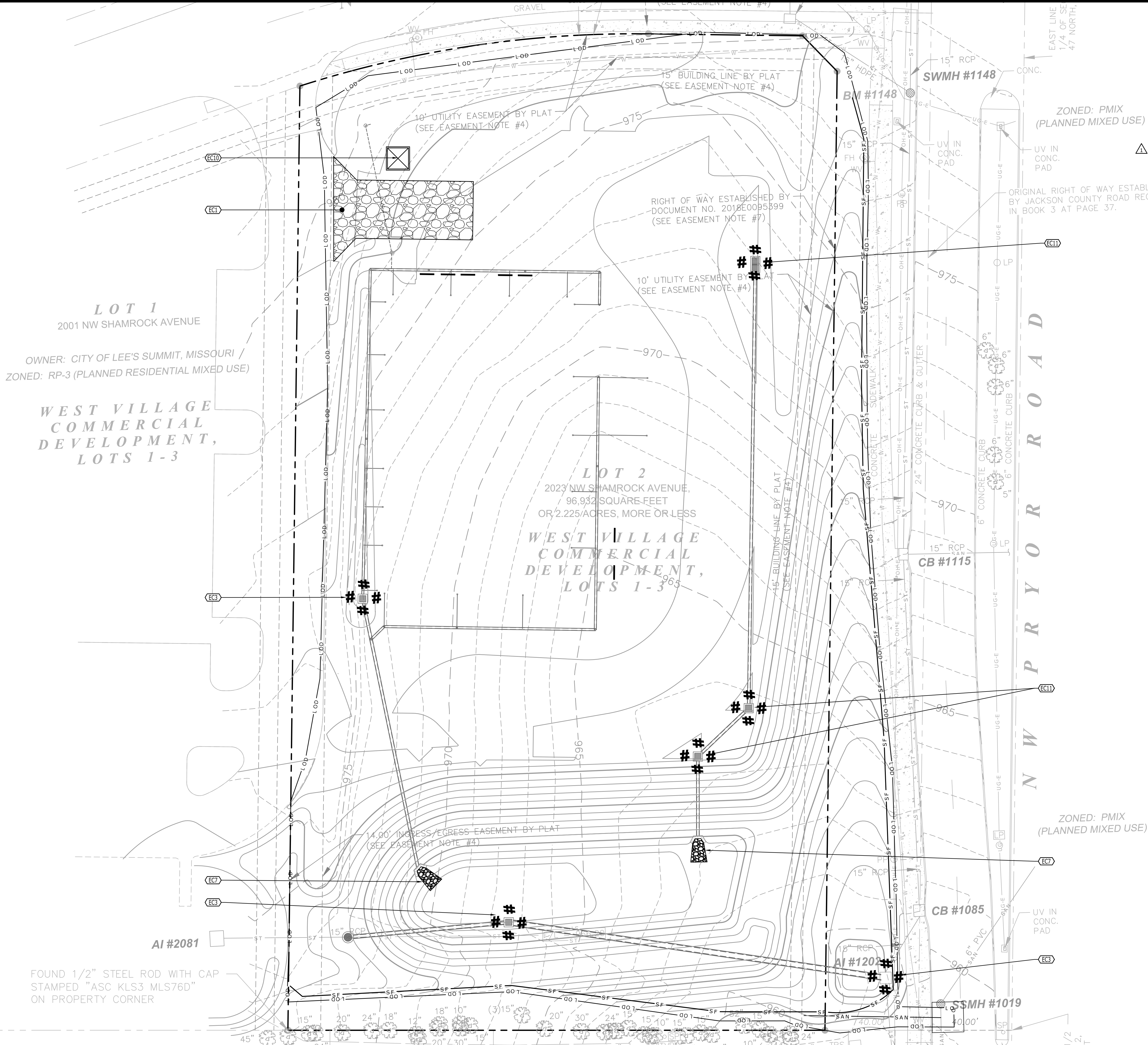


COVER SHEET

C0.0



P:\2018\20180111\dwg\Construction\20180111_C3-0_ERO.dwg-INTERMEDIATE EROSION CONTROL PLAN Jan 10, 2020 fhaust



EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.3
EC2	SILT FENCE	2 / C3.3
EC3	AREA INLET PROTECTION	4 / C3.3
EC7	OUTLET PROTECTION	5 / C3.3
EC10	CONCRETE WASH-OUT	1 / C3.3
EC11	CURB INLET PROTECTION	3 / C3.3

NOTE:
CONTRACTOR TO CONSTRUCT STORMWATER MANAGEMENT FEATURES, SPECIFICALLY THOSE FEATURES RELATED TO DETENTION FACILITIES, AS SOON AS PRACTICALLY POSSIBLE DURING CONSTRUCTION AS NOT TO EFFECT DOWNSTREAM NEIGHBORS WITH UNDETAINED STORMWATER DISCHARGE.

SITE DESCRIPTION AND NOTES:

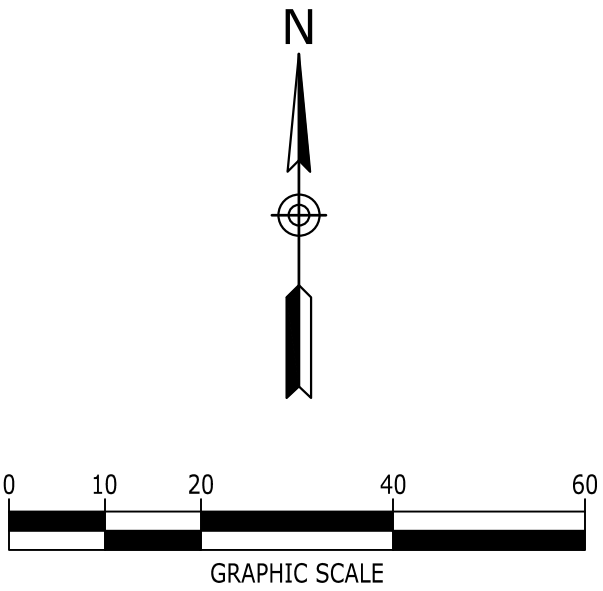
THE SITE IS LOCATED AS PARCEL ID 62-240-99-04-00-0-00-000 IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 2.26± ACRES TO CONSTRUCT A 10,220 S.F.-r/- DIALYSIS CLINIC, PARKING, AND ASSOCIATED SITE IMPROVEMENTS.

- APPROXIMATE CONSTRUCTION TIME TABLE:
BEGIN CONSTRUCTION - [NOV 2019]
COMPLETE CONSTRUCTION - [FEB 2021]
- CONSTRUCTION SEQUENCE:
 - ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
 - INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
 - CONTACT WATER QUALITY DIVISION - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
 - CLEAR AND GRUB THE REMAINING SITE.
 - CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
 - UPON PERMANENT SITE STABILIZATION SEED AND STRAW.
 - REMOVE ALL OTHER EROSION TEMPORARY CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
- TOTAL PROJECT AREA = 96,932 SF (2.225± AC.)
DISTURBED AREA = 98,540 S.F. (2.26± AC.)

EROSION CONTROL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
- DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF THE COMPLETION OF GRADING ACTIVITIES. SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITHIN 7 DAYS.

LEGEND	
SILT FENCE	SF
LIMITS OF DISTURBANCE	LOD
INLET PROTECTION	IP
EROSION CONTROL MATTING	ECM



5016 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 866-2403 | WWW.CATALYSTDSG.COM

DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.337.3061

CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

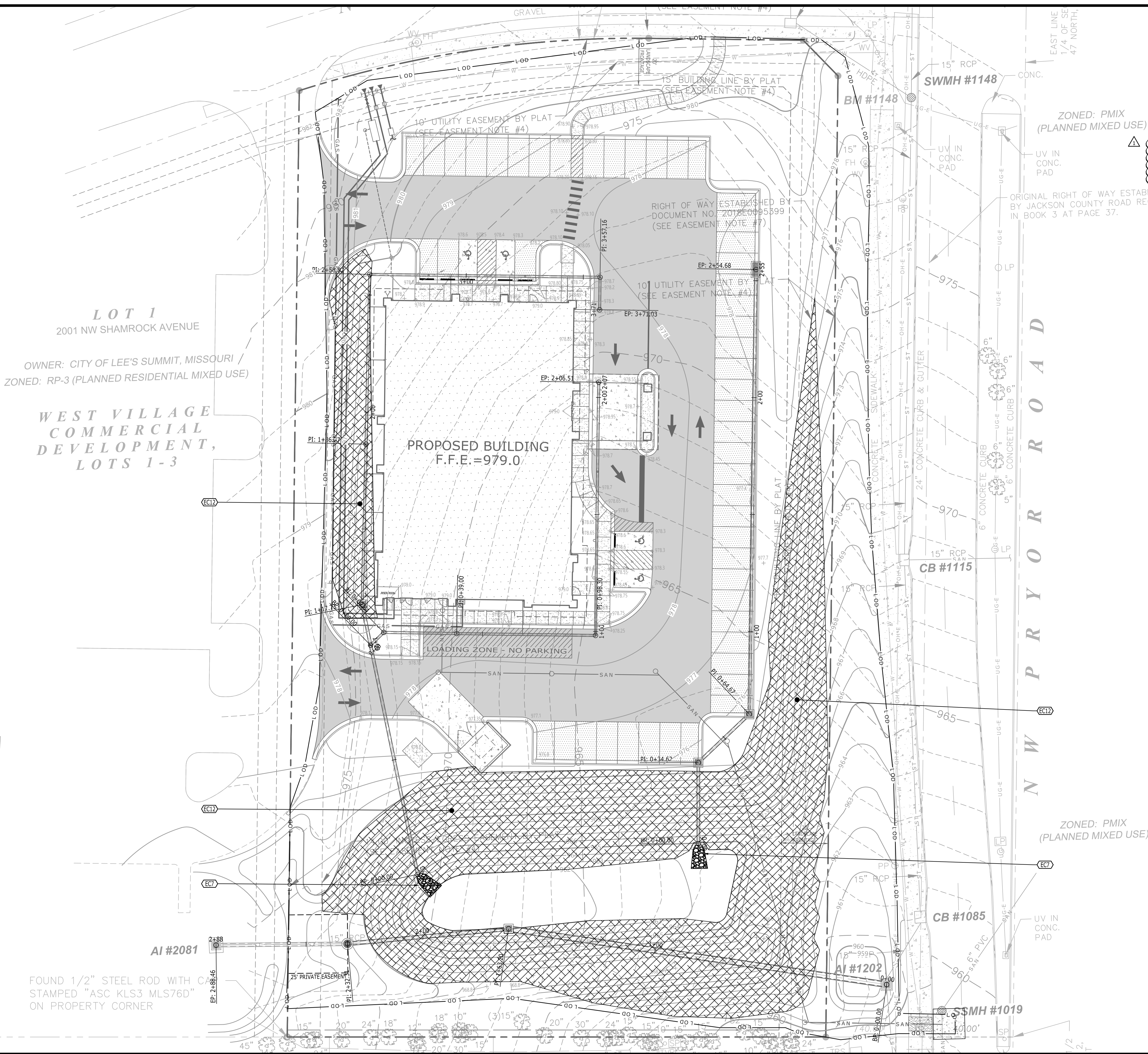
NO.	DATE	REVISIONS PER CITY COMMENTS	DESCRIPTION
1	01/09/2020		

DRAWING TITLE
**INTERMEDIATE
EROSION CONTROL
PLAN**

PROJECT NUMBER
20180111

DRAWING NUMBER
C3.1

P:\2018\20180111\Long Construction\20180111_C3-0_ERO.dwg-FINAL EROSION CONTROL PLAN Jan 10, 2020 thlaust



EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
EC7	OUTLET PROTECTION	5 / C3.3
EC12	GEOTEXTILE MATTING	6 / C3.3

NOTE:
CONTRACTOR TO CONSTRUCT STORMWATER MANAGEMENT FEATURES, SPECIFICALLY THOSE FEATURES RELATED TO DETENTION FACILITIES, AS SOON AS PRACTICALLY POSSIBLE DURING CONSTRUCTION AS NOT TO EFFECT DOWNSTREAM NEIGHBORS WITH UNDETAINED STORMWATER DISCHARGE.

SITE DESCRIPTION AND NOTES:

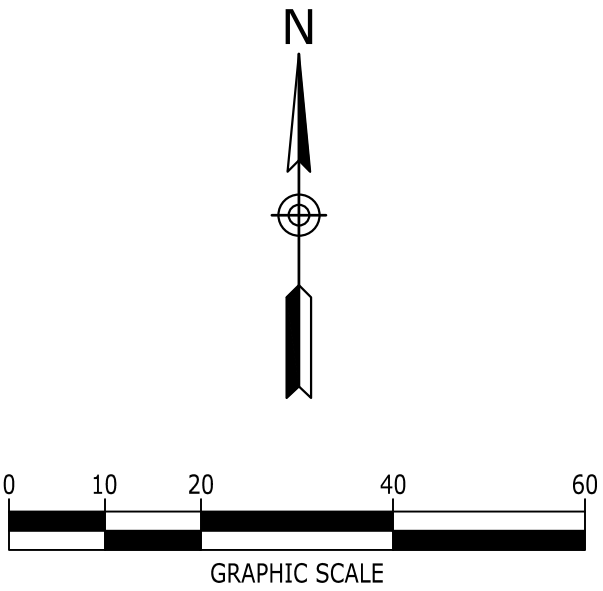
THE SITE IS LOCATED AS PARCEL ID 62-240-99-04-00-0-00-000 IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 2.26+ ACRES TO CONSTRUCT A 10,220 S.F. +/- DIALYSIS CLINIC, PARKING, AND ASSOCIATED SITE IMPROVEMENTS.

- APPROXIMATE CONSTRUCTION TIME TABLE:
BEGIN CONSTRUCTION [NOV 2019]
COMPLETE CONSTRUCTION [FEB 2021]
- CONSTRUCTION SEQUENCE:
 - ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
 - INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
 - CONTACT WATER QUALITY DIVISION - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
 - CLEAR AND GRUB THE REMAINING SITE.
 - CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
 - UPON PERMANENT SITE STABILIZATION SEED AND STRAW.
 - REMOVE ALL OTHER EROSION TEMPORARY CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
- TOTAL PROJECT AREA = 96,932 SF (2.225+ AC.)
DISTURBED AREA = 98,540 S.F. (2.26+ AC.)

EROSION CONTROL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
- DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF THE COMPLETION OF GRADING ACTIVITIES. SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITHIN 7 DAYS.

LEGEND	
SILT FENCE	—SF—
LIMITS OF DISTURBANCE	—LOD—
INLET PROTECTION	—IP—
EROSION CONTROL MATTING	—ECM—



5016 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 866-2103 | WWW.CATALYSTDSG.COM

DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061

CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

NO.	DATE	REVISIONS PER CITY COMMENTS	DESCRIPTION
1	01/09/2020		

DRAWING TITLE
FINAL EROSION CONTROL PLAN

PROJECT NUMBER
20180111

DRAWING NUMBER
C3.2

INSPECTIONS DESCRIBED IN PARAGRAPHS 2, 3 AND 4 BELOW, SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (E.G., SITE COVERED WITH SNOW OR ICE) OR DUE TO EXTREME DROUGHT, SUCH INSPECTION ONLY HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED AREAS THAT HAVE BEEN FINALLY STABILIZED, WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE, OR THE DIVISION'S NASHVILLE CENTRAL OFFICE FOR PROJECTS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) AND THE TENNESSEE VALLEY AUTHORITY (TVA). SHOULD TDEC DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. TDEC MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY INSPECTIONS.

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE SITE'S DRAINAGE SYSTEM. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.

BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.

ALL INSPECTIONS SHALL BE DOCUMENTED ON THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT FOR ALL CONSTRUCTION SITES. INSPECTION DOCUMENTATION WILL BE MAINTAINED ON SITE AND MADE AVAILABLE TO TDEC UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO TDEC WITHIN 10 DAYS OF THE REQUEST. IF TDEC REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND THE PERSON WHO MEETS THE SIGNATORY REQUIREMENTS OF SECTION 7.7.2 OF THE MPDES GENERAL PERMIT.

SUBSEQUENT OPERATOR(S) (PRIMARY PERMITTEES) WHO HAVE OBTAINED COVERAGE UNDER THE NPDES GENERAL PERMIT SHOULD CONDUCT TWICE WEEKLY INSPECTIONS, UNLESS THEIR PORTION(S) OF THE SITE HAS BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT AS STATED IN PARAGRAPH A) ABOVE. THE PRIMARY PERMITTEE (SUCH AS A DEVELOPER) IS NO LONGER REQUIRED TO CONDUCT INSPECTIONS OF PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT PRIMARY PERMITTEE (SUCH AS A HOME BUILDER).

1. THE SITE ASSESSMENT SHALL BE PERFORMED BY INDIVIDUALS WITH THE FOLLOWING QUALIFICATIONS:
 - A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
 - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR
 - A PERSON THAT SUCCESSFULLY COMPLETED THE "LEVEL II DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE.
2. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT A CONSTRUCTION SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH OUTFALL DRAINAGE TO A TREATMENT DRAINAGE TO A TREATMENT DRAINAGE OR 500 FEET OR MORE ACROSS THE SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED BY A PERSON WITH TRAINING IN EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH PORTION OF THE SITE THAT DRAINS THE QUALIFYING AREA OF SUCH PORTION OF THE SITE.

4. THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND THE DOCUMENTATION KEPT WITH THE SWPPP REPORT AT THE SITE. AT A MINIMUM, THE DOCUMENTATION SHALL INCLUDE INFORMATION INCLUDED IN THE INSPECTION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT. THE DOCUMENTATION MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE INDIVIDUAL PERFORMING THE SITE ASSESSMENT AND THE FOLLOWING CERTIFICATION:

5. THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS REQUIREMENT.

CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

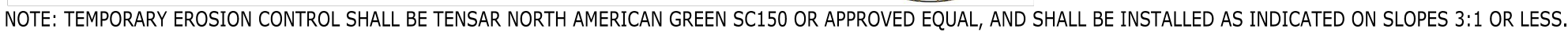


NOT TO SCALE

OUTLET PROTECTION

NOT TO SCALE

The following slope guide outlines general recommendations for installing RollMax™ System temporary and/or permanent RECPs on sloping applications. Consult the staple pattern guide (Figure 1) for fastener spacing recommendations based on the slope severity.



PERMANENT EROSION CONTROL MATTING SHALL BE TENSAR NORTH AMERICAN GREEN SC250 OR APPROVED EQUAL, AND SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 3:1.

NOT TO SCALE



NOT TO SCALE

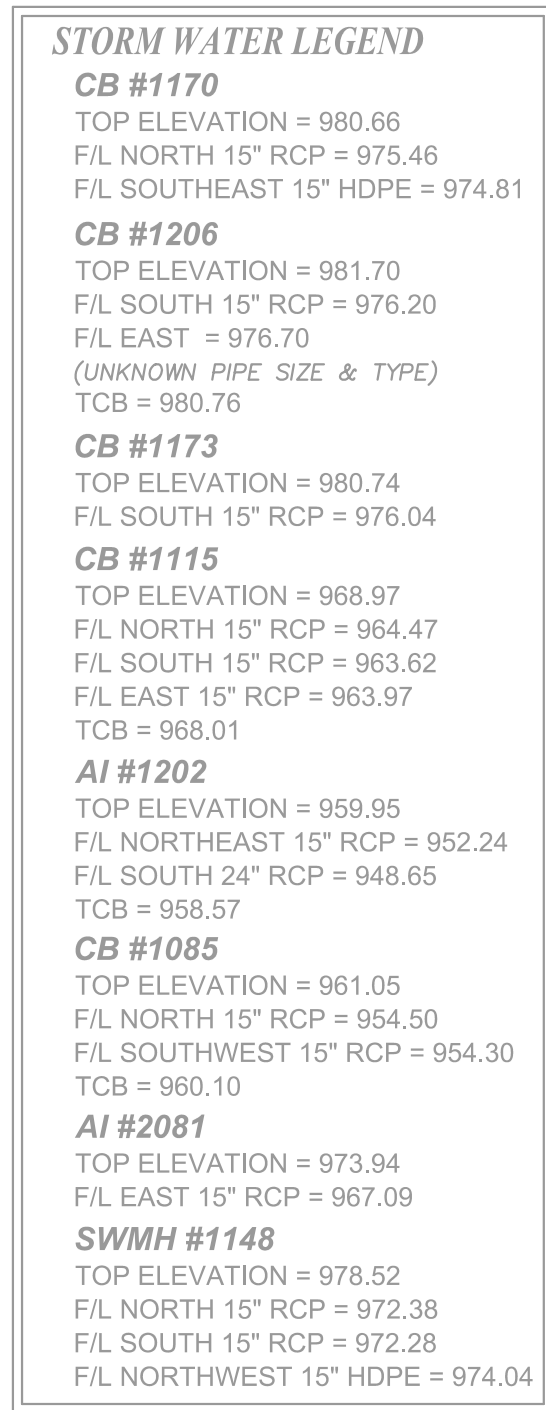


NOT TO SCALE



NOT TO SCALE

C3.3



	FROM CODE	FROM INV.	TO CODE	TO INV.	GRADE (%)	SIZE (INCHES)	LENGTH (L.F.)	TYPE
	A1	958.00	EX AL#1202	948.85	5.61%	24"	163	RCP
	A2	962.63	A1	958.20	6.41%	15"	69	RCP
	B2	971.14	B1	963.50	7.64%	12"	100	HDPE
	B3	972.50	B2	971.14	7.64%	12"	18	HDPE
	B4	973.39	B3	972.70	1.00%	10"	69	HDPE
	B5	974.11	B4	973.39	1.00%	10"	73	HDPE
	B6	974.36	B5	974.11	1.00%	10"	25	HDPE
	B7	974.77	B6	974.36	1.00%	10"	41	HDPE
	B8	975.09	B7	974.77	1.00%	10"	32	HDPE
	B9	975.23	B8	975.09	1.00%	10"	14	HDPE
	C1	973.31	B2	972.32	12.63%	10"	8	HDPE
	C2	973.62	C1	973.31	1.00%	10"	31	HDPE
	C3	974.22	C2	973.62	1.00%	10"	59	HDPE
	C4	974.92	C3	974.22	1.00%	10"	70	HDPE
	C5	975.30	C4	974.92	1.00%	10"	38	HDPE
	D2	969.00	D1	963.50	15.89%	12"	35	HDPE
	D3	971.30	D2	969.20	6.99%	12"	30	HDPE
	D4	973.50	D3	971.50	1.05%	12"	190	HDPE
EX AL #2081	967.09	A2	966.58	0.91%	15"	56	RCP	

NOTE:
AN AS-GRADED AND AS-BUILT DRAWING SHALL BE SUBMITTED TO THE CITY AND REVIEWED BY THE CITY FOR THE DETENTION BASIN. THIS SHALL BE REQUIRED PRIOR TO ASSUANCE OF A CERTIFICATE OF SUBSTANTIAL COMPLETION. ALL PRECAUTIONS SHOULD BE TAKEN TO ENSURE DETENTION POND AND OUTLET STRUCTURE ARE CONSTRUCTED PER PLANS, VOLUMES AND ELEVATIONS ARE CRITICAL FOR AS-BUILT APPROVAL. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AN AS-BUILT SURVEY OF THE DETENTION BASIN AND STORM SYSTEM AO-A2 AS WELL AS THE INVERTS AT B1 AND D1, STAMPED BY A MISSOURI LICENSED SURVEYOR.

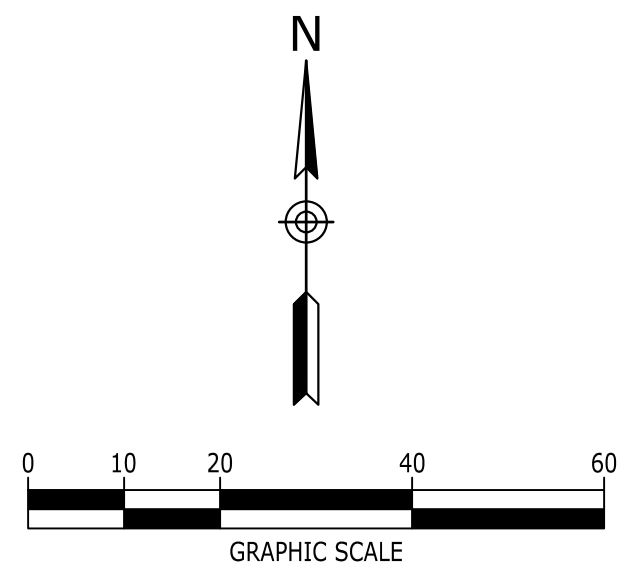
NOTE:
CONTRACTOR TO CONSTRUCT STORMWATER MANAGEMENT FEATURES, SPECIFICALLY THOSE FEATURES RELATED TO DETENTION FACILITIES, AS SOON AS PRACTICALLY POSSIBLE DURING CONSTRUCTION AS NOT TO EFFECT DOWNSTREAM NEIGHBORS WITH UNDETAILED STORMWATER DISCHARGE.

SEWER LEGEND
SSMH #1019
 TOP ELEVATION = 959.22
 F/I/ NORTHEAST 6" PVC = 947.82
 F/I/ SOUTH 6" PVC = 947.67

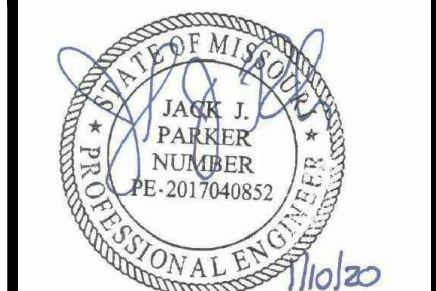
LEGEND	
STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	



**Know what's below
Call before you dig**



Catalyst
DESIGN GROUP
5015 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 866-2410 | WWW.CATALYST-DG.COM



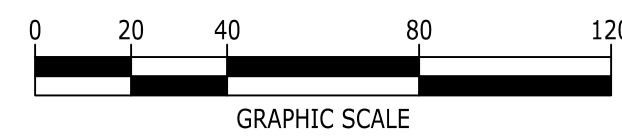
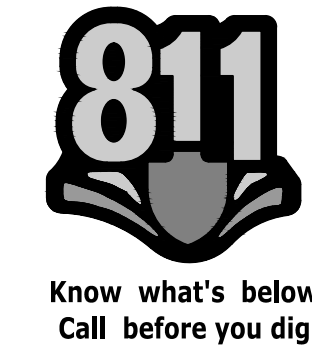
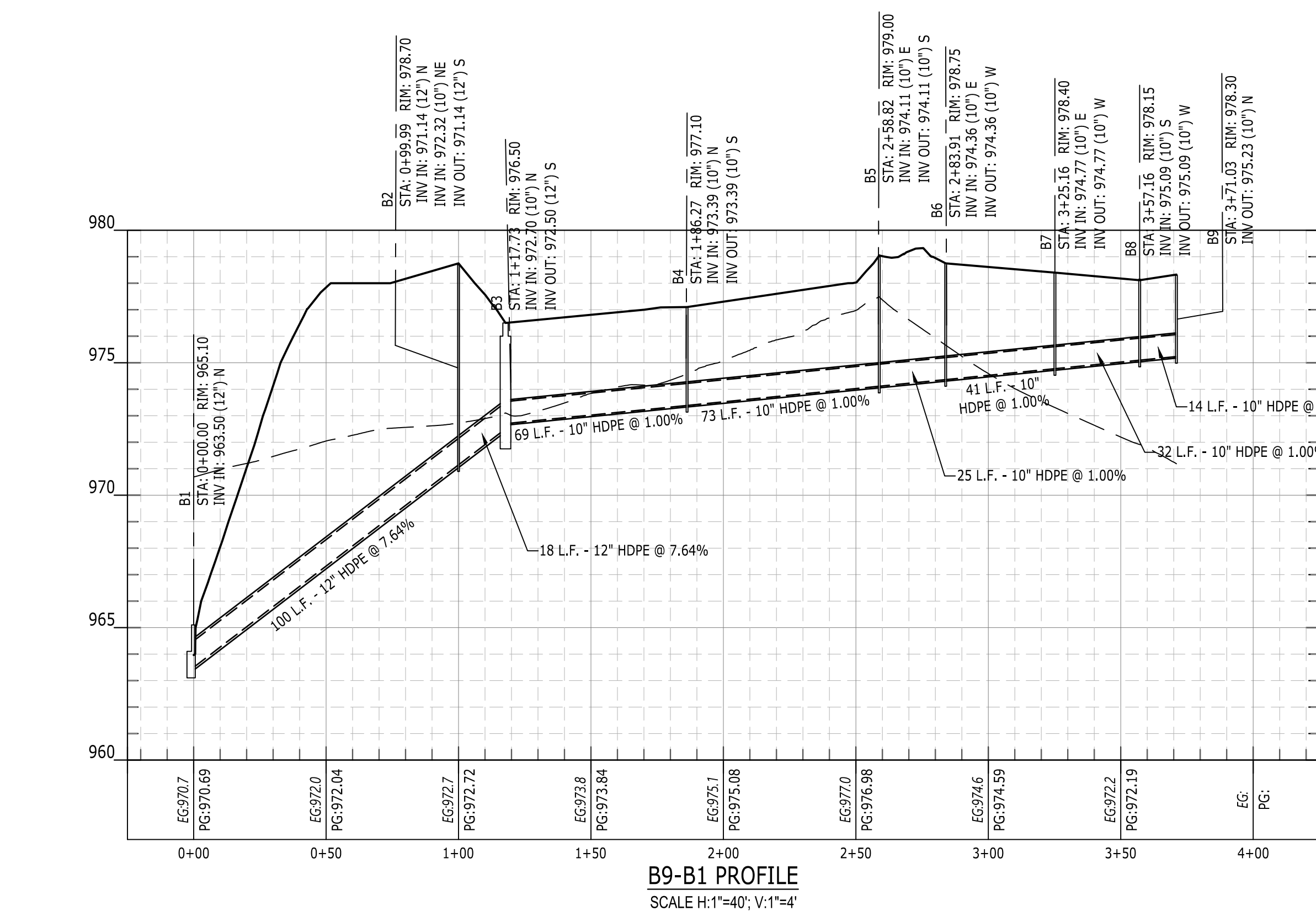
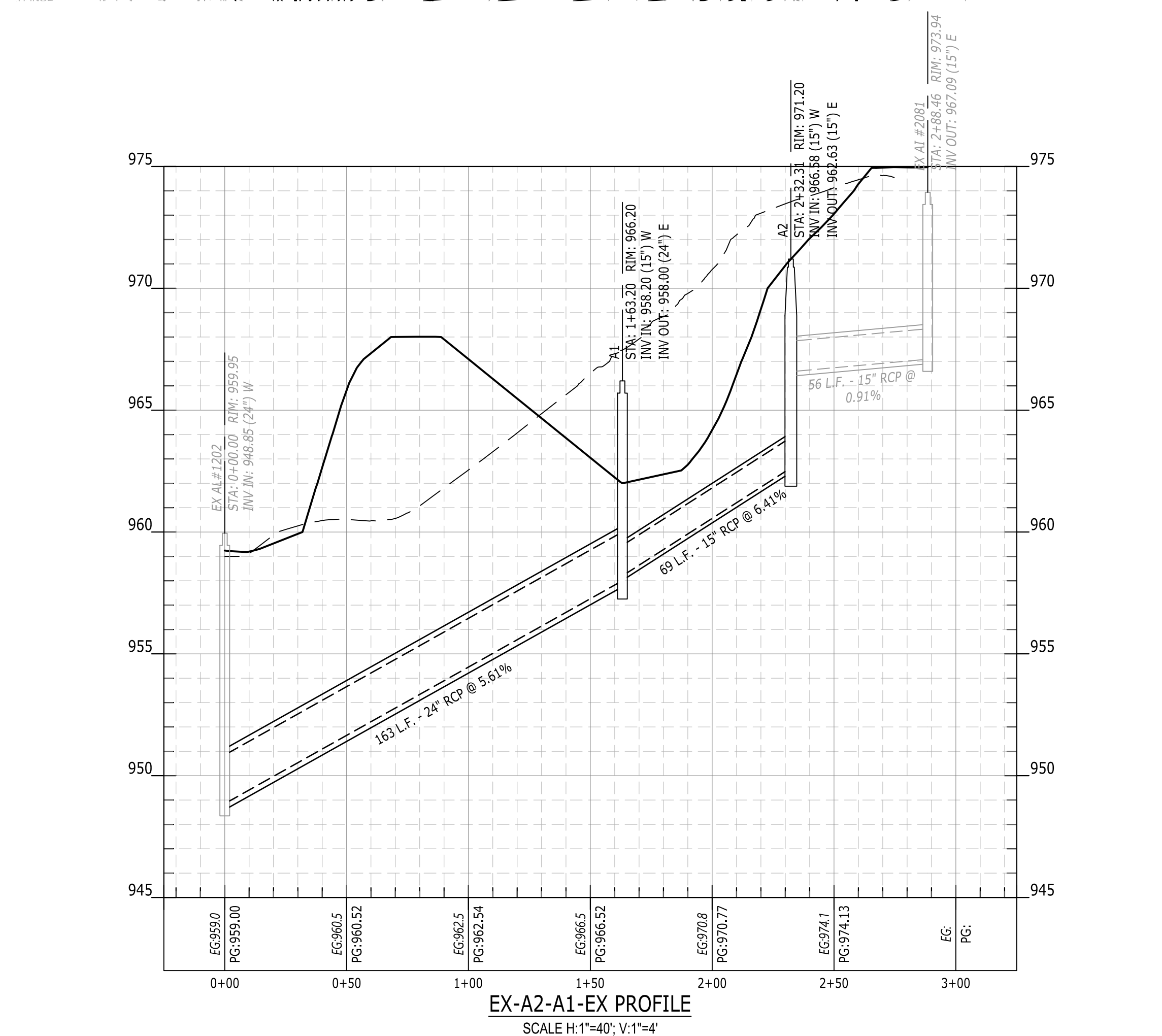
CONSTRUCTION DRAWINGS

DCI - LEE'S SUMMIT

2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

[illegible]

DRAWING TITLE	
GRADING & DRAINAGE PLAN	
PROJECT NUMBER 20180111	
DRAWING NUMBER C5.0	

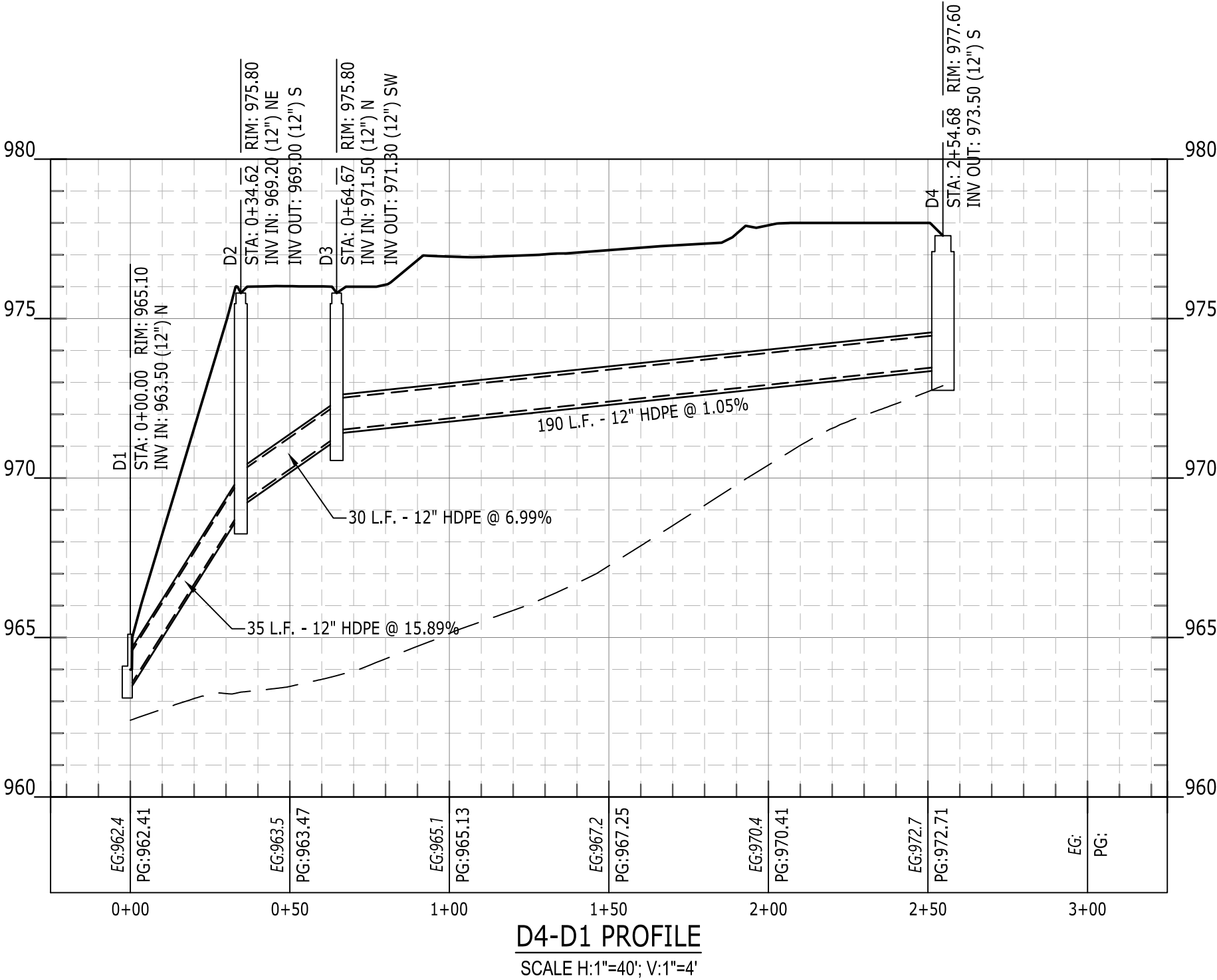
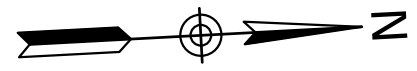
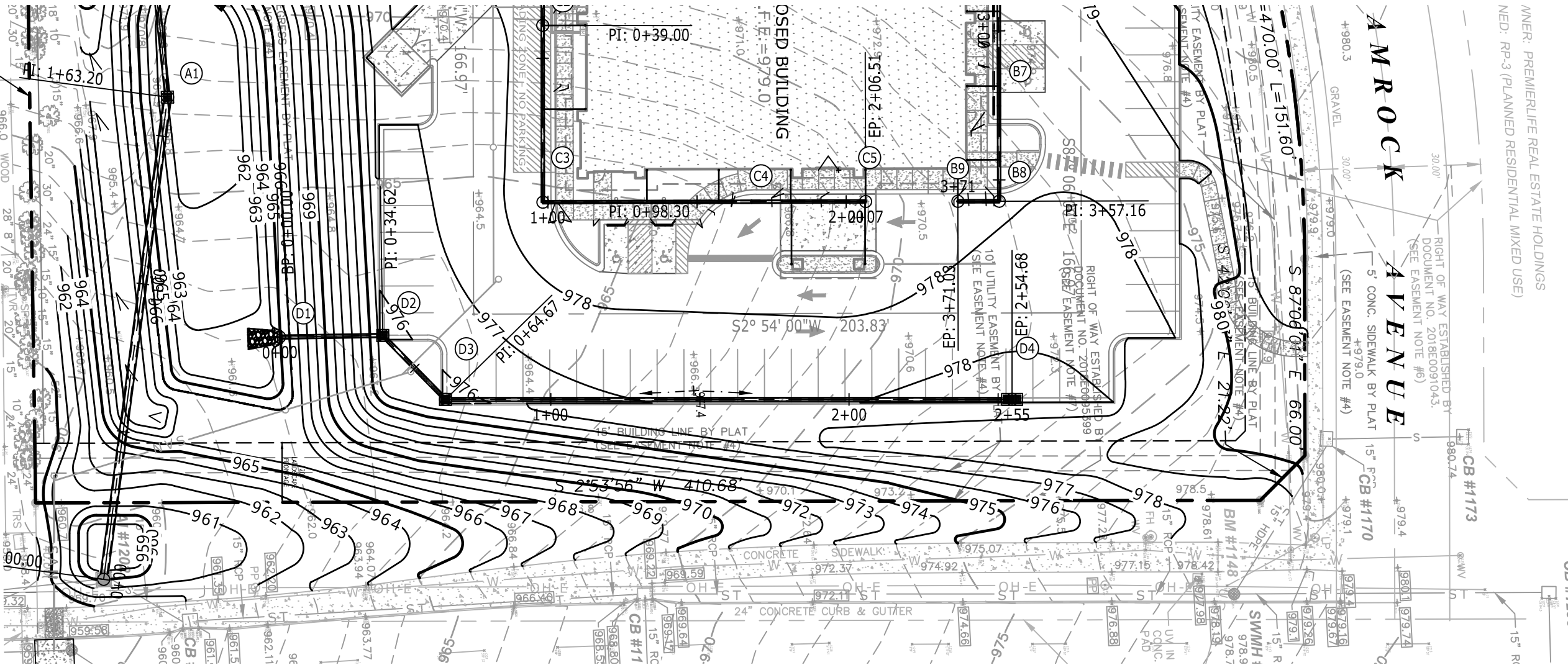
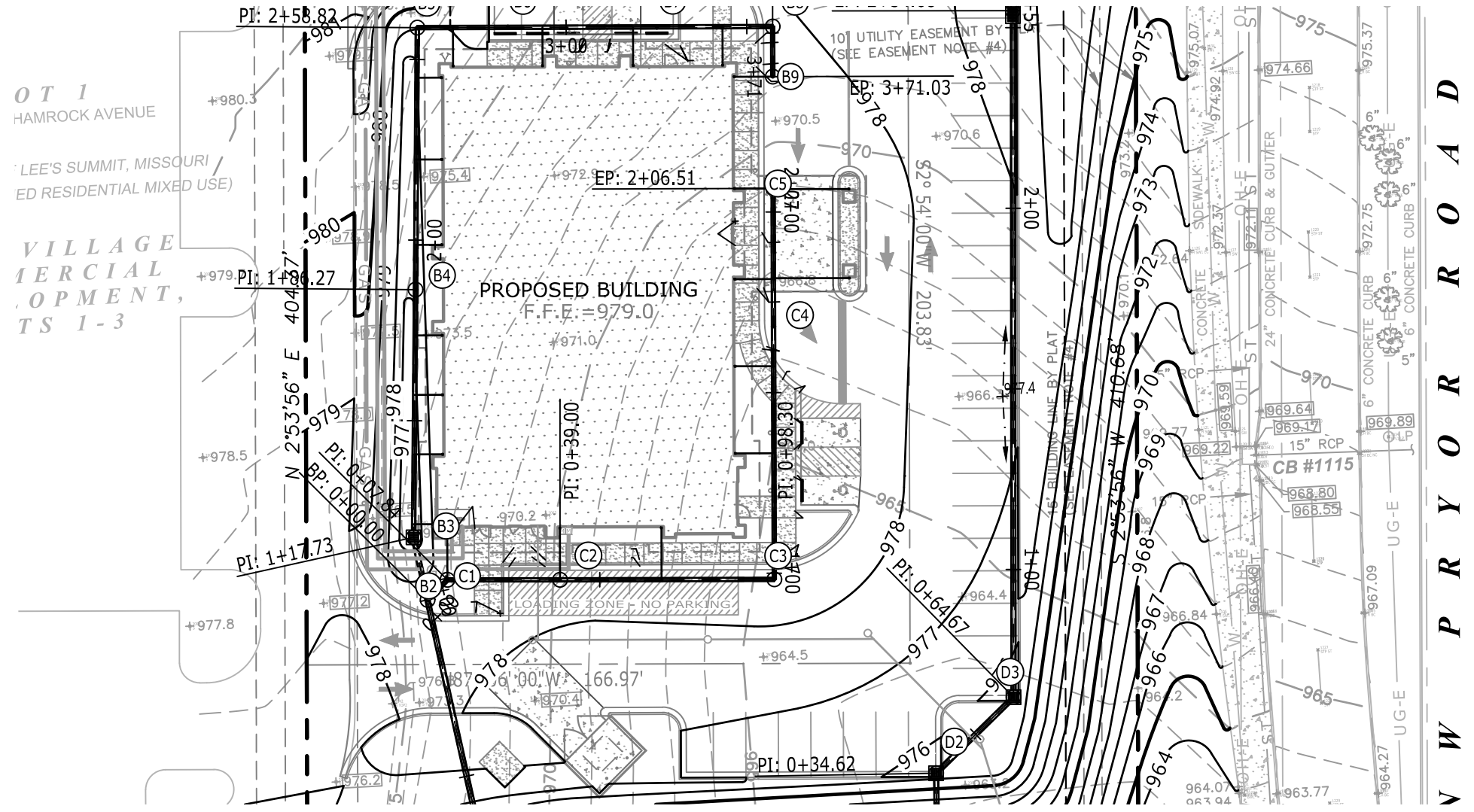


DRAWING TITLE	
STORM PLAN & PROFILE	
PROJECT NUMBER 20180111	
DRAWING NUMBER C5.1	

Catalyst
DESIGN GROUP

5016 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 866-2410 | WWW.CATALYST-DG.COM

P:\2018\20180111\dwg\Construction\20180111_C5-0_GRA.dwg-C5.2 STORM PLAN & PROFILE Jan 10, 2020 hfurst



LEGEND			
STORM PIPE & INLET	[Symbol]		
SPOT ELEVATION	[Symbol]		
PROPOSED CONTOUR ELEV.	[Symbol]		
DRAINAGE STRUCTURE	[Symbol]		



5016 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 866-2400 | WWW.CATALYSTDESIGN.COM

DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061

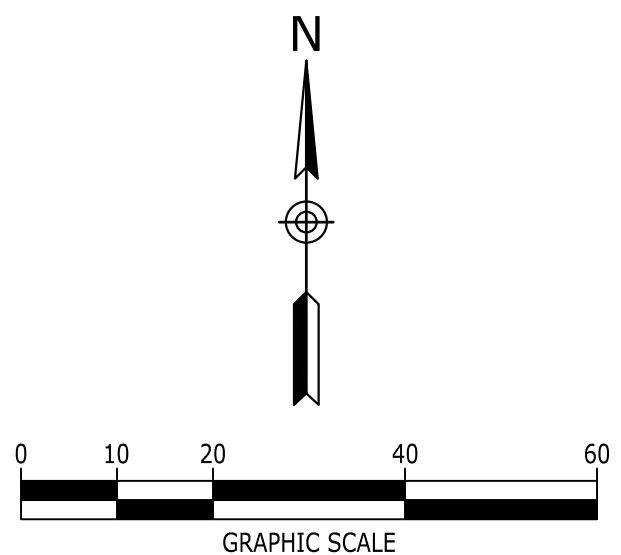
CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

NO.	DATE	REVISIONS PER CITY COMMENTS	DESCRIPTION
1	01/09/2020		

DRAWING TITLE
STORM PLAN & PROFILE

PROJECT NUMBER
20180111

DRAWING NUMBER
C5.2



DRAWING TITLE

UTILITY PLAN

PROJECT NUMBER
20180111

DRAWING NUMBER

C6.0

P:\2018\20180111\dwg\Construction\20180111_C6-0_UTI.dwg-C6-0 UTILITY PLAN Jan 10, 2020 hfaust



NOT TO SCALE



NOT TO SCALE



- 12**

NO SCALE



NOT TO SCALE

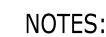


NO SCALE



9

NO SCALE



- 4

NO SCALE



NOT TO SCALE



NOT TO SCALE



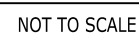
NOT TO SCALE



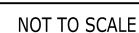
NOT TO SCALE



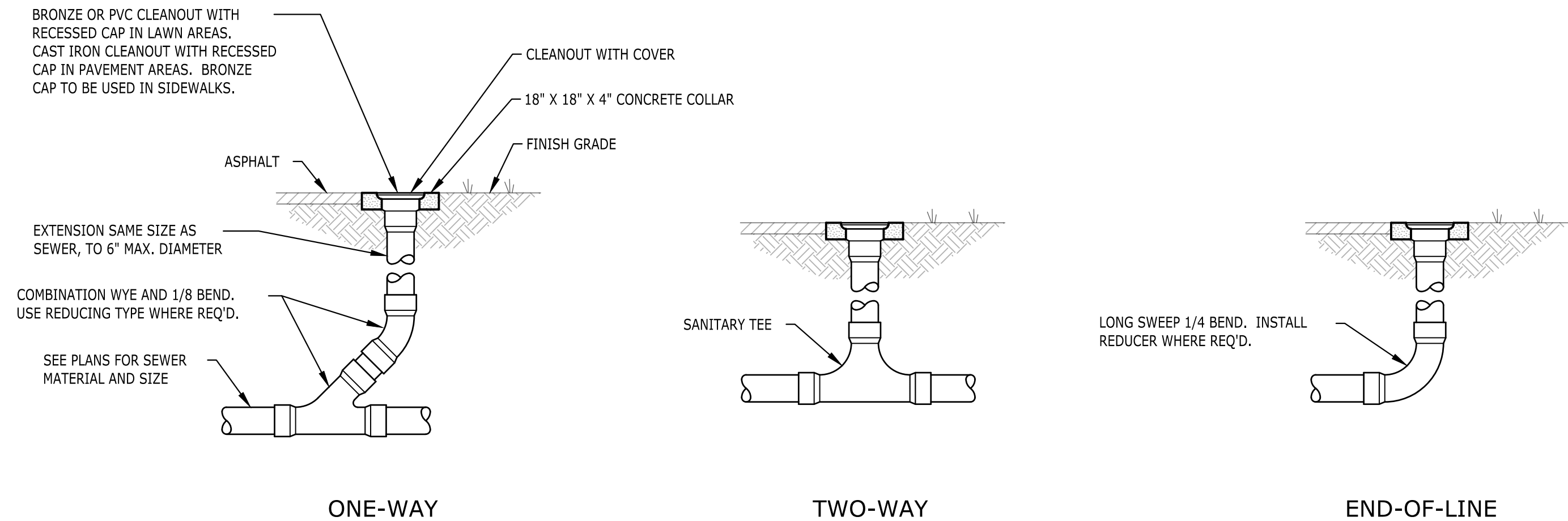
NOT TO SCALE



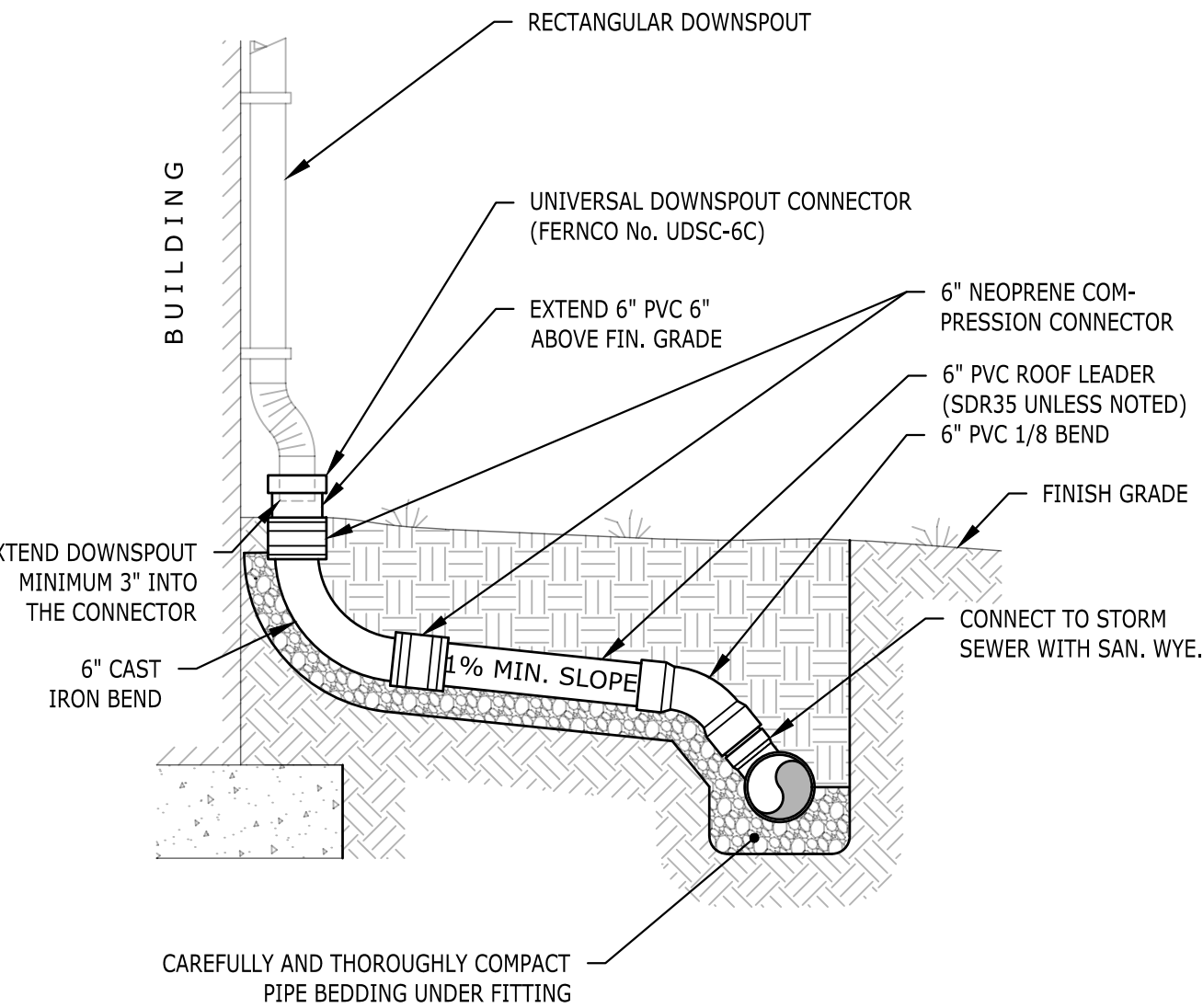
NOT TO SCALE



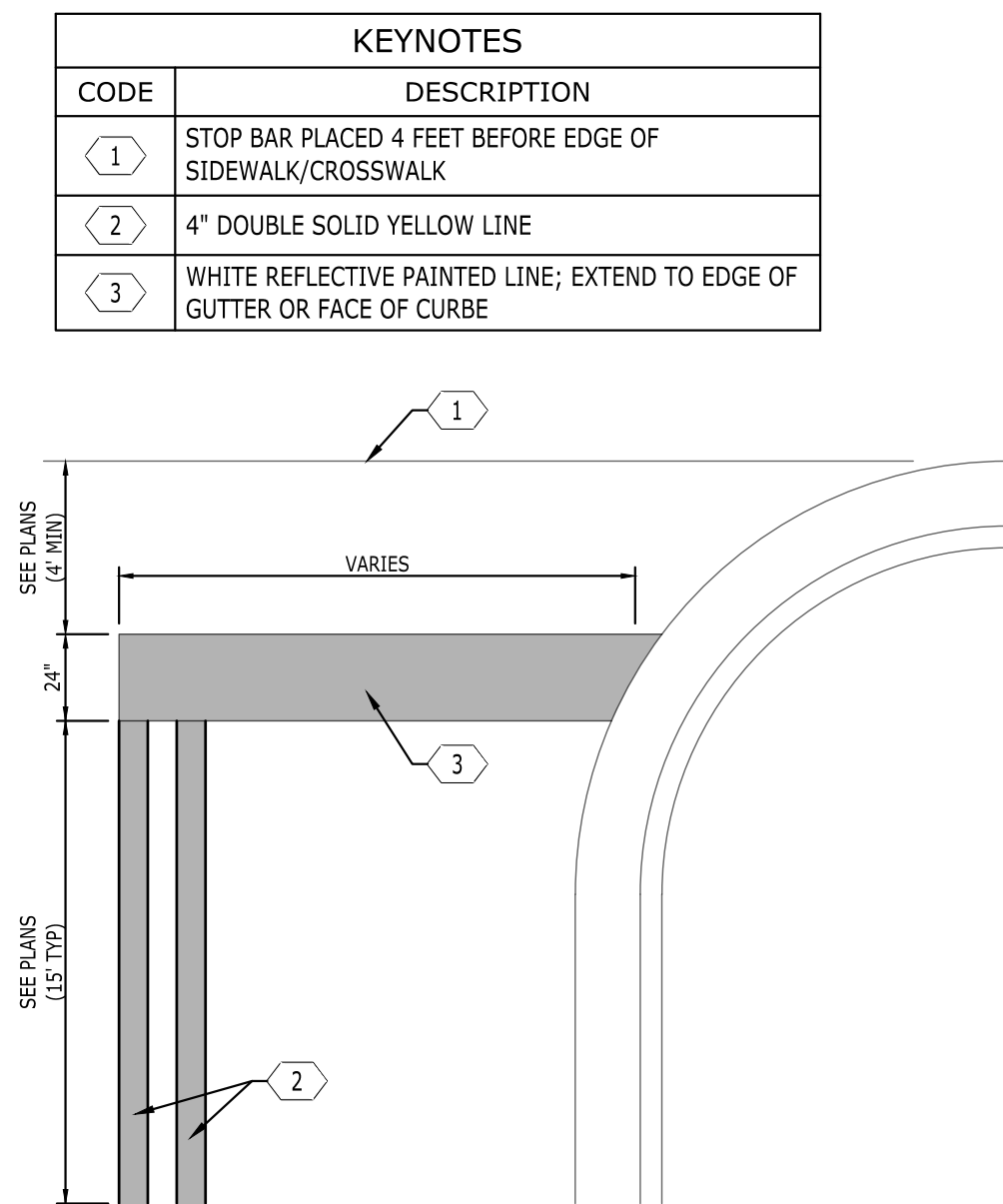
P:\2018\20180111.dwg Construction\20180111_C7.1.dwg (C7.1 SITE DETAILS Jan 10, 2020) Hfaust



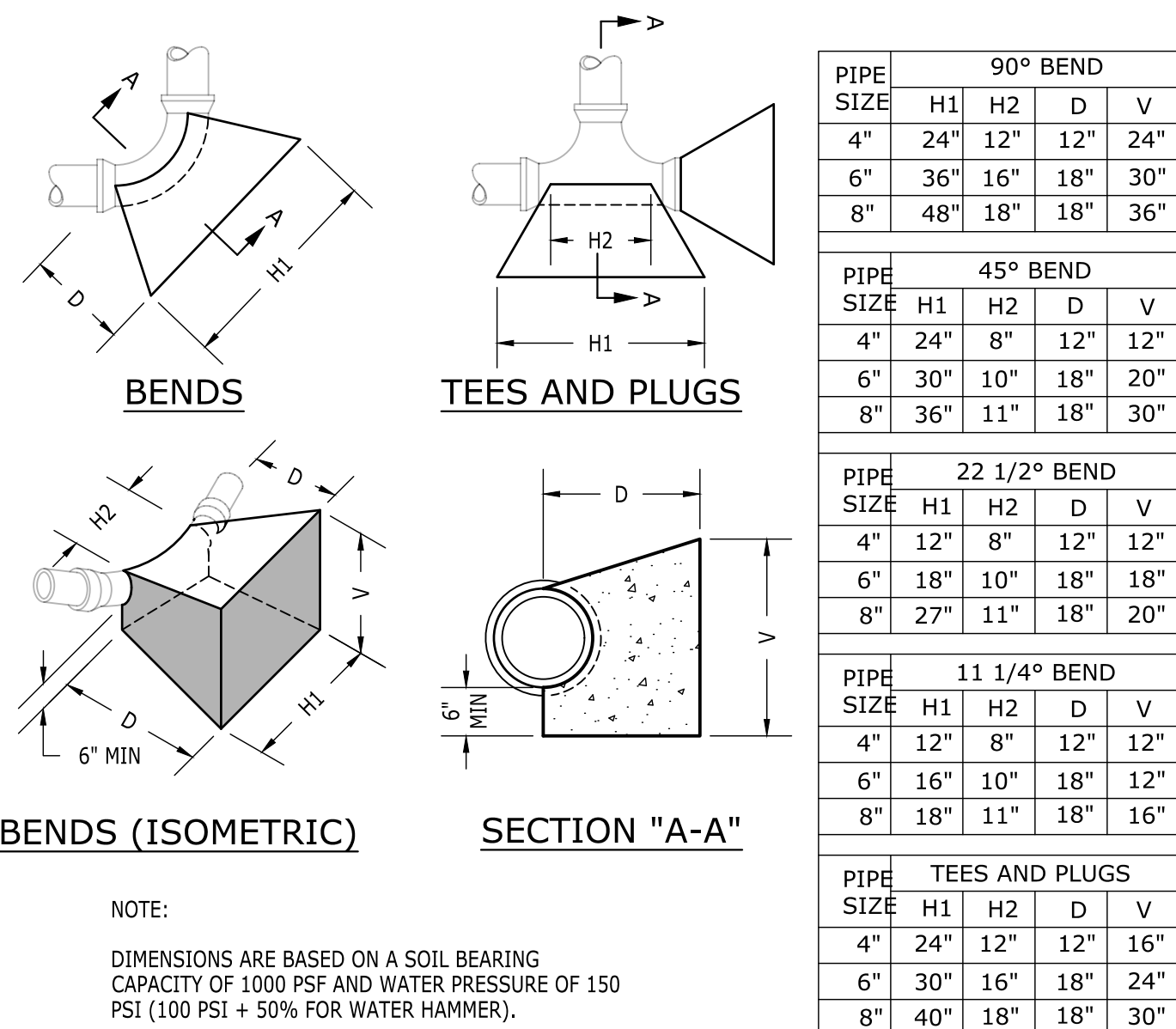
7 SINGLE CURB INLET
NO SCALE



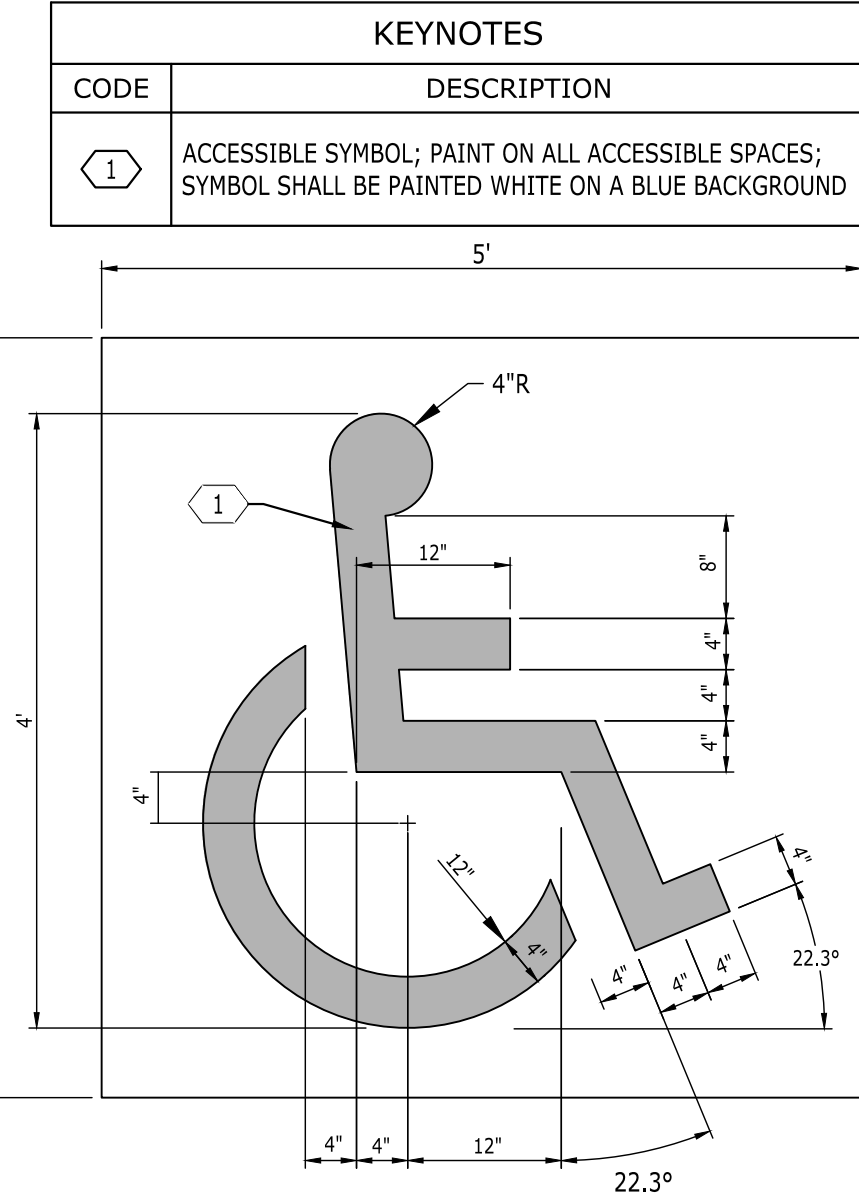
10 DOWNSPOUT COLLECTOR
NO SCALE



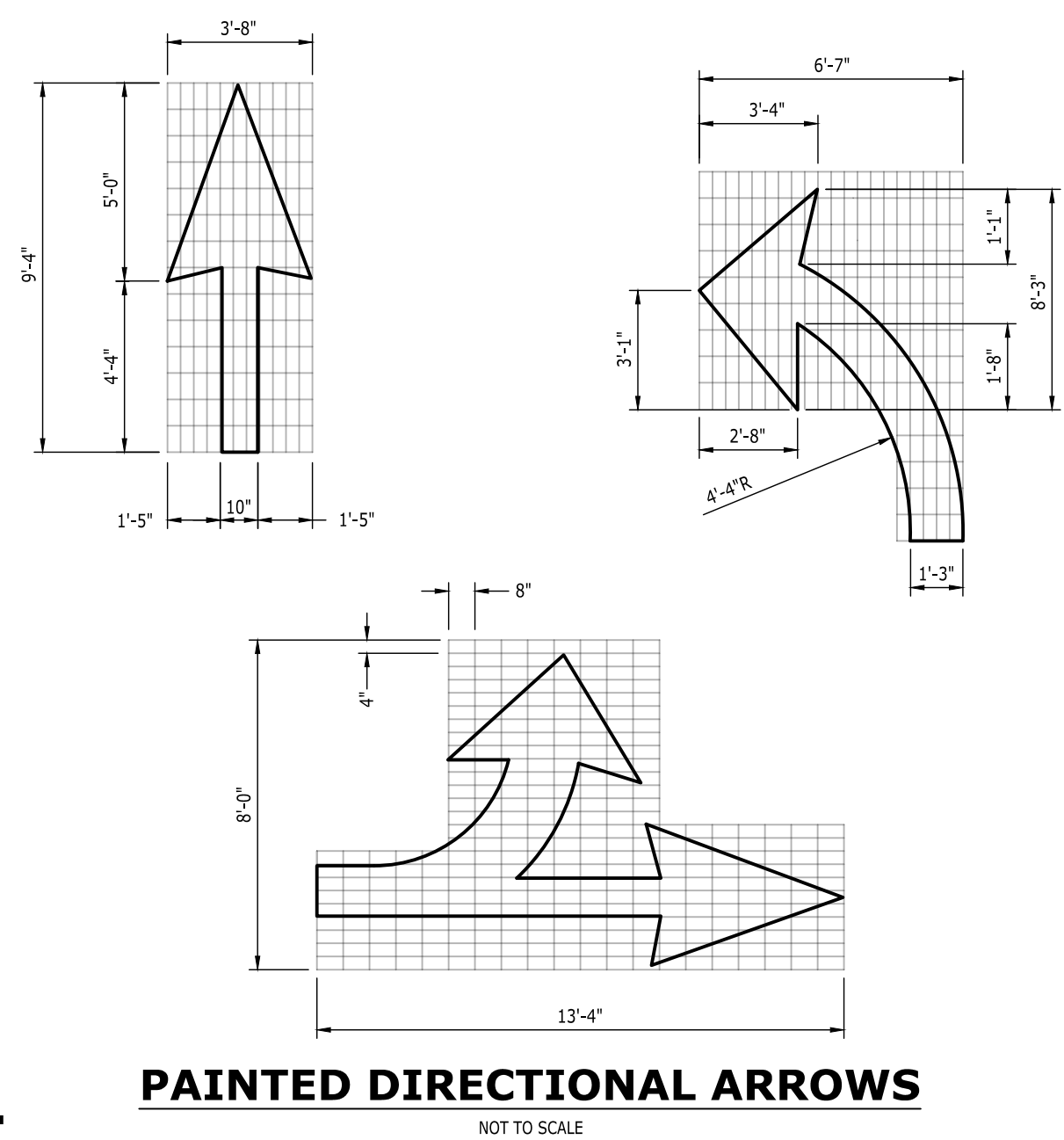
9 PAINTED STOP BAR
NOT TO SCALE



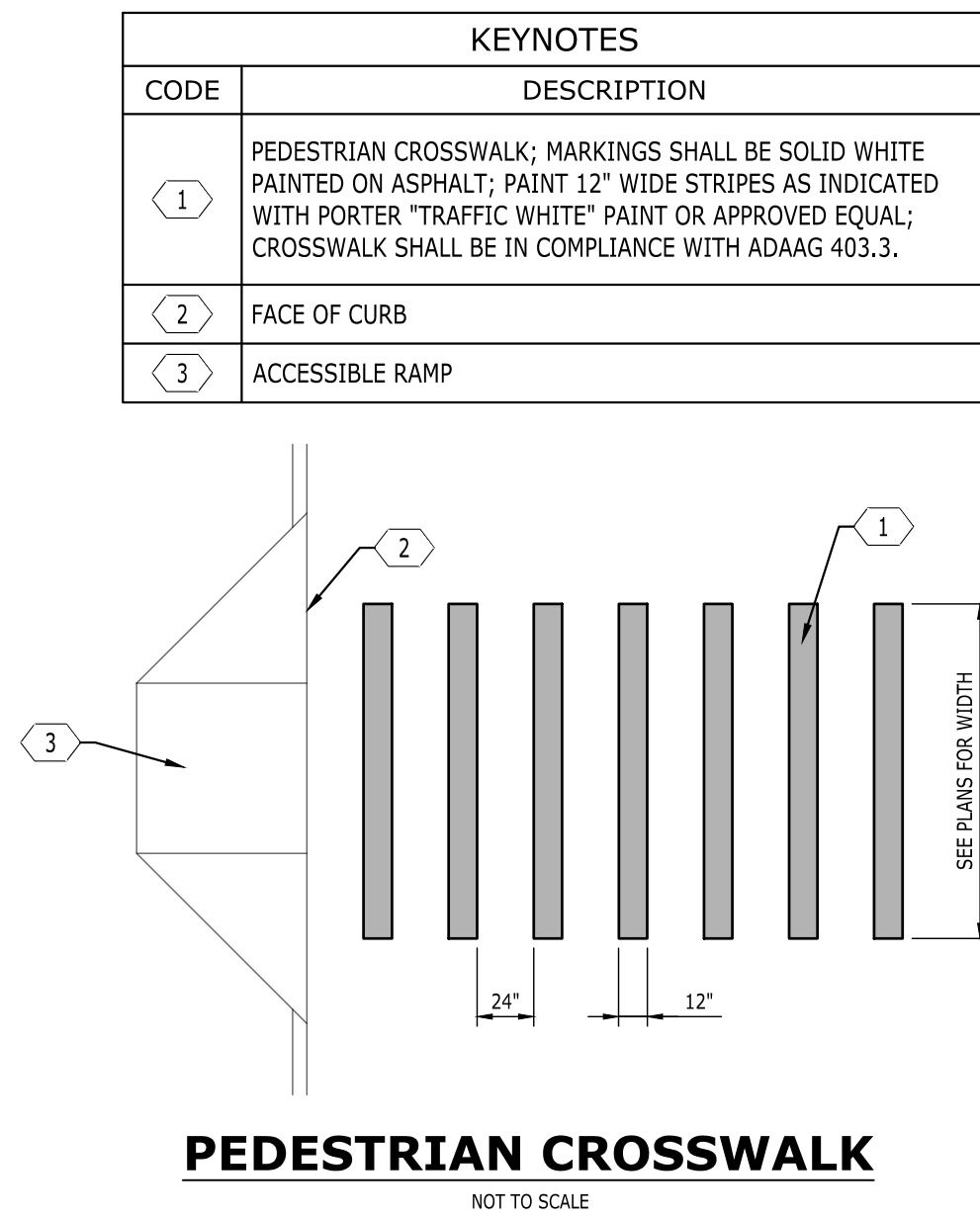
5 THRUST BLOCKING
NO SCALE



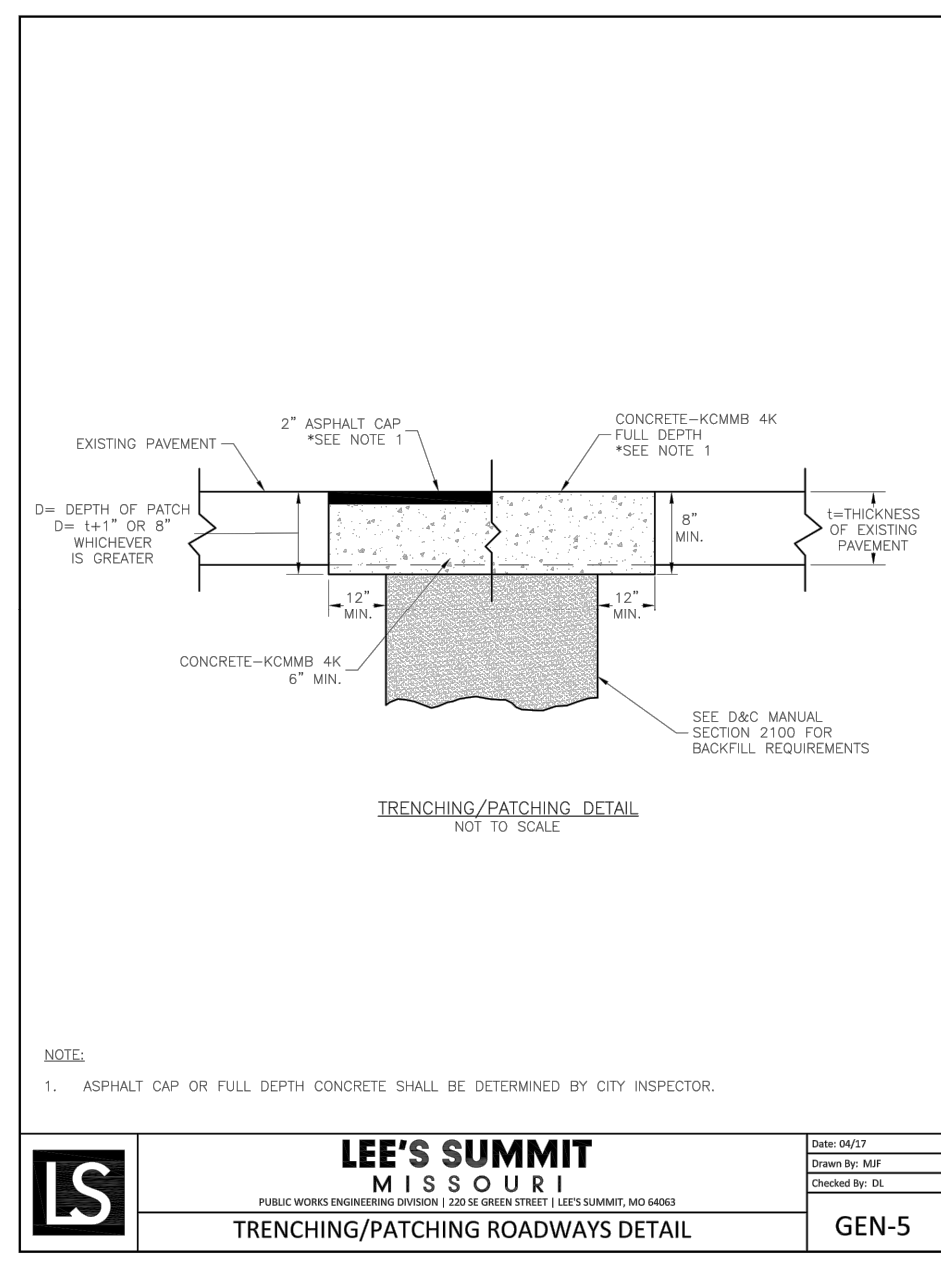
4 HANDICAP SYMBOL
NOT TO SCALE



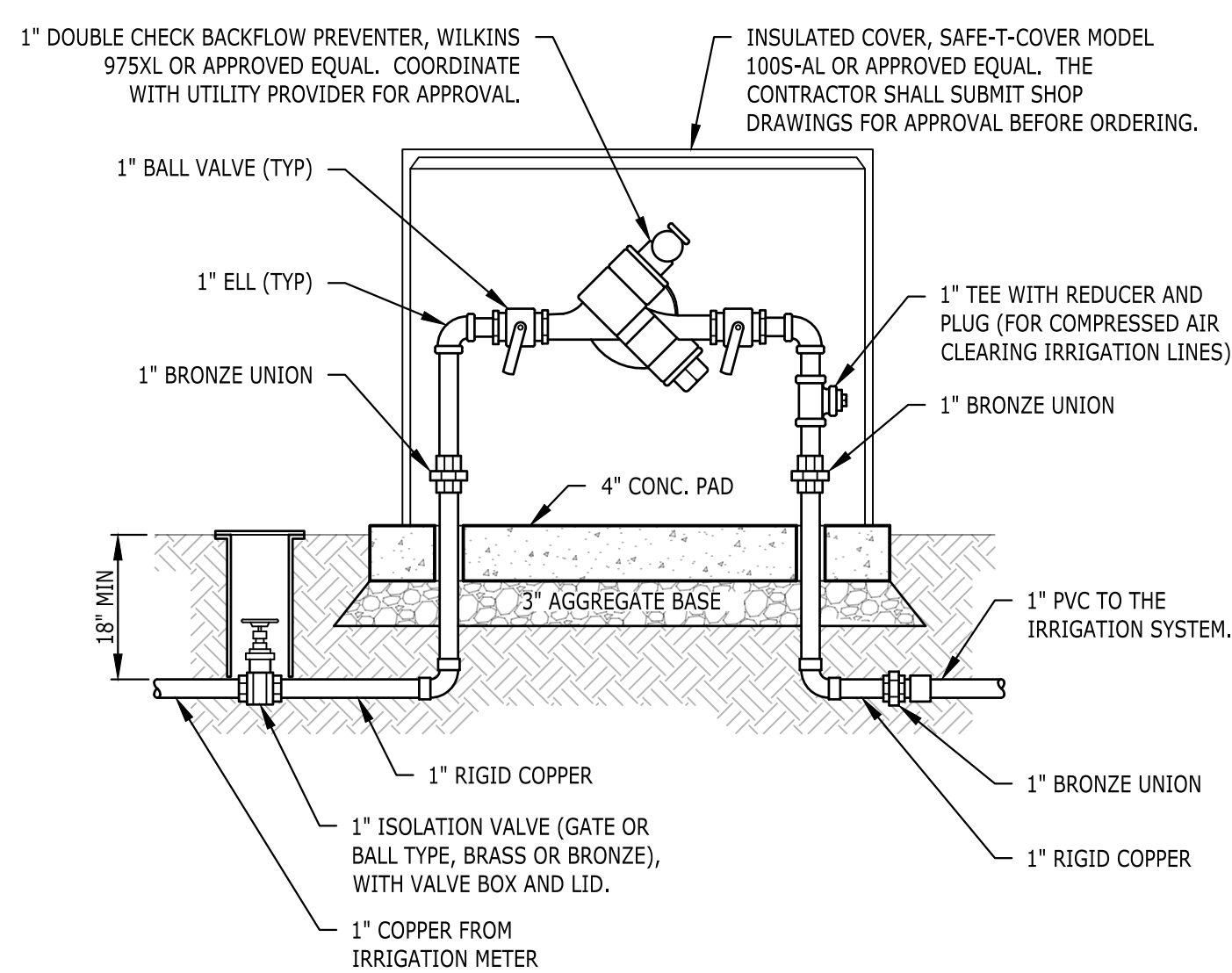
1 PAINTED DIRECTIONAL ARROWS
NOT TO SCALE



2 PEDESTRIAN CROSSWALK
NOT TO SCALE



6 RESERVED
NOT TO SCALE



3 1\"/>

Catalyst
DESIGN GROUP

5016 CENTENNIAL BLVD., SUITE 200, NASHVILLE, TN 37209
(615) 869-2410 | WWW.CATALYST-DC.COM

DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061

PROFESSIONAL ENGINEER
JAMES J. PARKER
NUMBER
PE-2017040852
holoz

CONSTRUCTION DRAWINGS

DCI - LEE'S SUMMIT

2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

NO.	DATE	REVISIONS PER CITY COMMENTS	DESCRIPTION

DRAWING TITLE
SITE DETAILS

PROJECT NUMBER
20180111

DRAWING NUMBER
C7.1



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

P:\2018\20180111.dwg\Construction\20180111_C7.4_DET.dwg C7.4 SITE DETAILS Jan 10, 2020 Hfaust

10

RESERVED
NOT TO SCALE

7

RESERVED
NOT TO SCALE

4

RESERVED
NOT TO SCALE

11

RESERVED
NOT TO SCALE

8

RESERVED
NOT TO SCALE

5

RESERVED
NOT TO SCALE

12

RESERVED
NOT TO SCALE

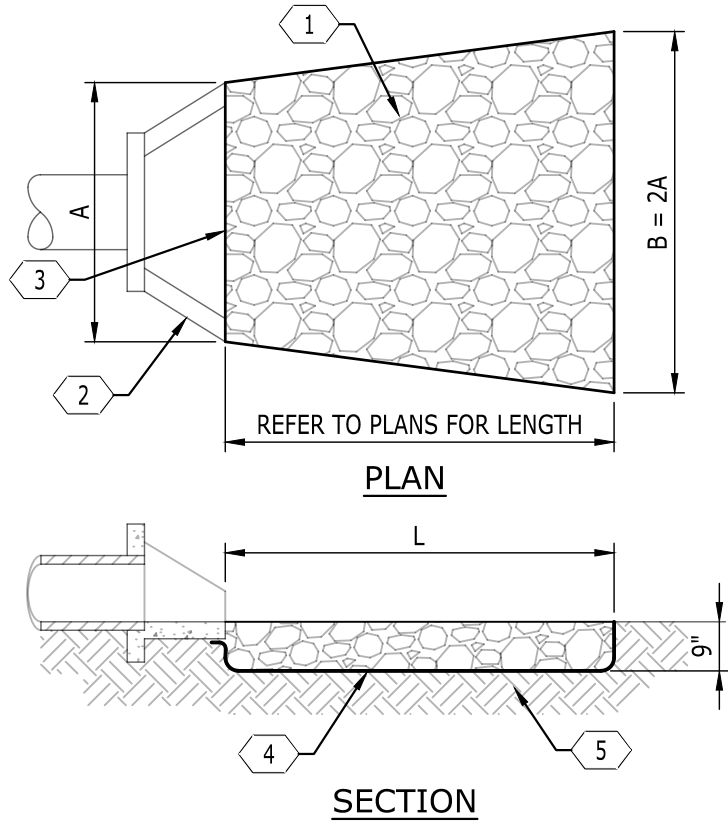
9

RESERVED
NOT TO SCALE

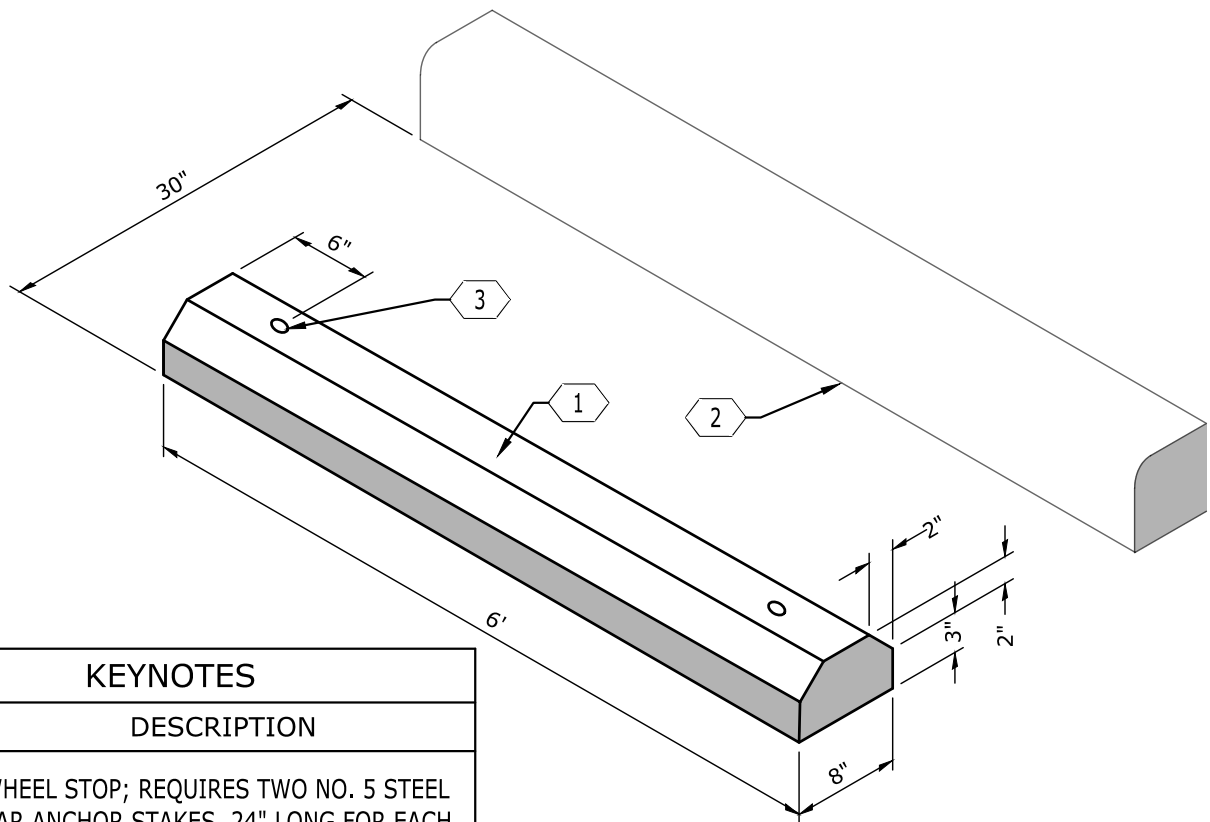
6

RESERVED
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	6" d50 RIP-RAP TO BE HAND-PLACED NATIVE LIMESTONE PLACED TO A MIN. CUT IN DEPTH OF 9".
2	CONCRETE HEADWALL
3	MATCH HEADWALL APRON WIDTH
4	FILTER FABRIC; MIRA1 180N/BP 4553 OR AN APPROVED EQUIVALENT
NOTE: 1. RIP-RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES. PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 709 OF THE CURRENT EDITION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS-NASHVILLE-STADARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. 2. d50 BY DEFINITION = 50 PERCENT OF THE STONE BY WEIGHT SHALL BE THE SIZE NOTED OR SMALLER. 3. THE CONTRACTOR SHALL UNIFORMLY DISTRIBUTE STONE SIZES THROUGHOUT THE RIP-RAP PAD.	



1
RIP-RAP OUTLET PROTECTION
NOT TO SCALE

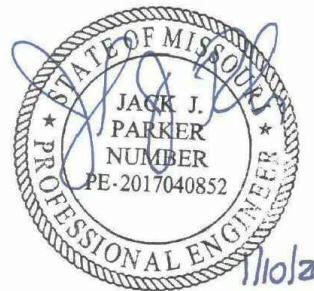


KEYNOTES	
CODE	DESCRIPTION
1	WHEEL STOP; REQUIRES TWO NO. 5 STEEL BAR ANCHOR STAKES, 24" LONG FOR EACH SECTION; EACH SECTION REINFORCED WITH TWO NO. 3 DEFORMED BARS
2	FACE OF CURB OR EDGE OF PAVEMENT
3	1" DIA. HOLE (TYP.)

2
PRECAST CONCRETE WHEEL STOP
NOT TO SCALE



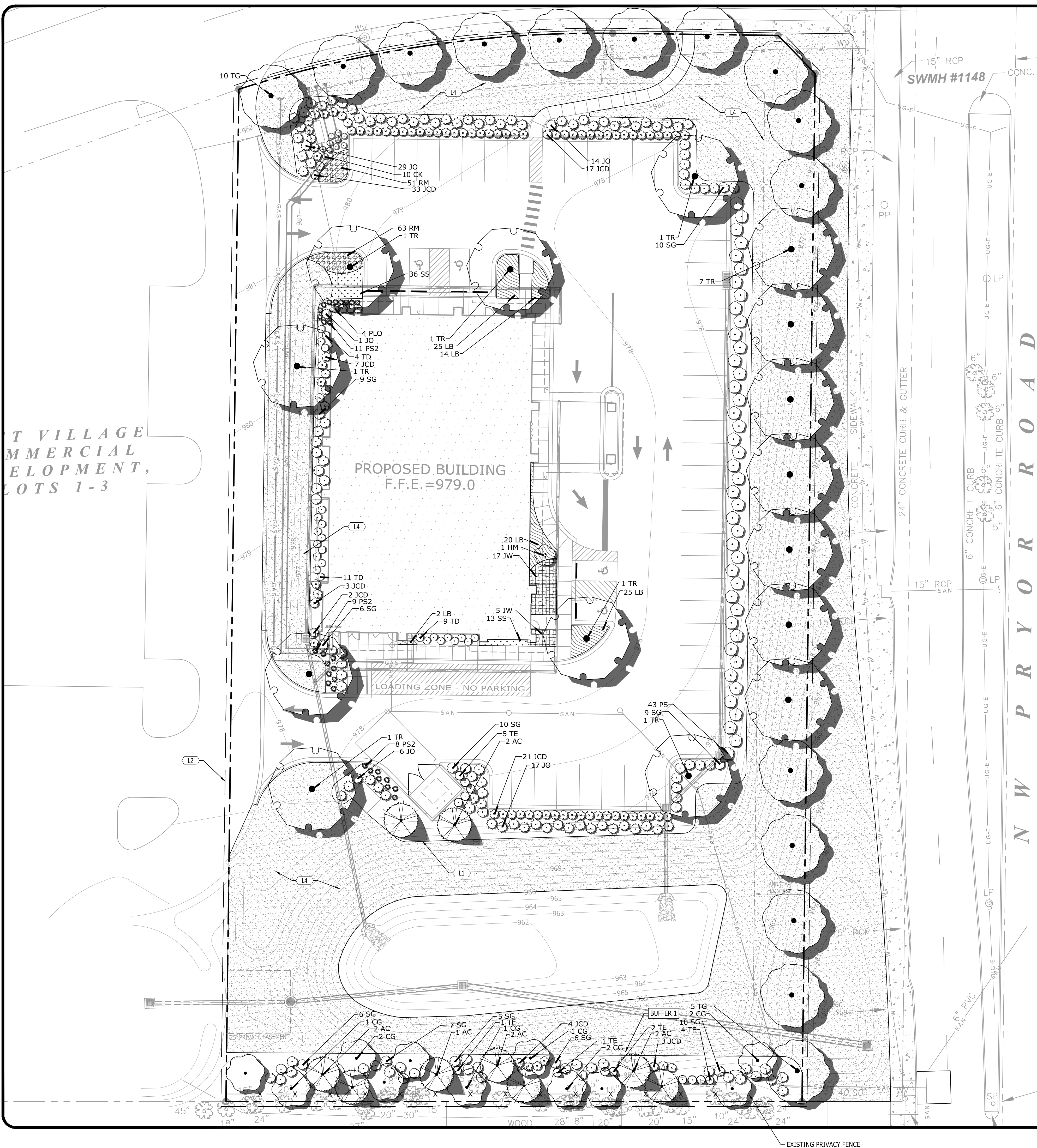
DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061



CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

DRAWING TITLE	
SITE DETAILS	
PROJECT NUMBER	20180111
DRAWING NUMBER	C7.4

P:\2018\20180111\dwg\Construction\20180111_L1-0_LAN.dwg L1-0 LANDSCAPE PLAN Jan 10, 2020 lhaust



LANDSCAPE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
L1	PLANTING BED LIMITS	3/L2.0
L2	IRRIGATION LIMITS	-
L3	AREA TO BE SEEDED	-
L4	AREA TO BE SODDED	-
L5	AREA TO BE 4"-6" RIVER ROCK	-

LANDSCAPE DATA

OVERALL SITE ACERAGE: 2.225
PARCEL ID: 62-240-99-04-00-0-00-000
ZONING: PMIX - PLANNED MIXED USE DISTRICT

SITE LANDSCAPE CALCULATIONS

OVERALL SITE REQUIREMENTS:	
REQUIRED LANDSCAPE COVERAGE (15%):	334 AC
PROVIDED LANDSCAPE COVERAGE:	97 AC
REQUIRED TREES (1 PER 5,000 SF OF LOT AREA):	20
PROVIDED TREES:	64
REQUIRED SHRUBS (1 PER 2,500 SF OF LOT AREA):	39
PROVIDED SHRUBS:	340
FRONTAGE REQUIREMENTS:	
LENGTH:	616 LF
REQUIRED FRONTAGE (STREET) TREES (1 PER 30 LF):	21
PROVIDED FRONTAGE (STREET) TREES:	22
REQUIRED FRONTAGE SHRUBS (1 PER 20 LF):	31
PROVIDED FRONTAGE SHRUBS:	93
PARKING SCREEN REQUIREMENTS:	
LENGTH:	504 LF
REQUIRED SHRUBS (12 SHRUBS / 40 LF):	152
PROVIDED SHRUBS:	177

BUFFER CALCULATIONS

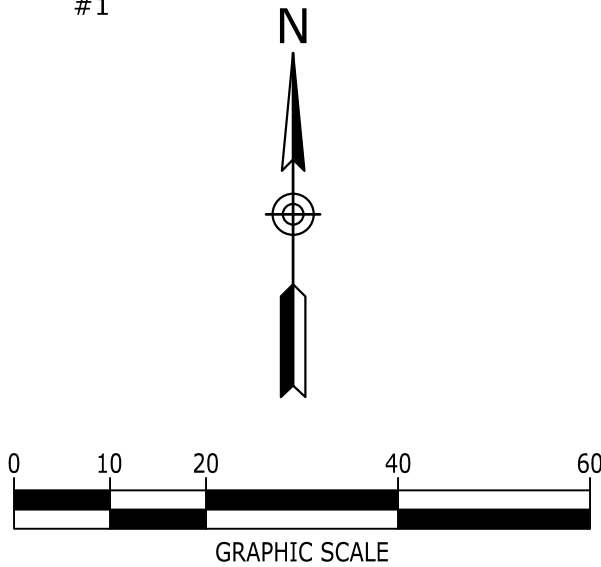
BUFFER 1 - "A" BUFFER - HIGH IMPACT:	
AREA:	8,080 SF
REQUIRED SHADE TREES (1 / 500 SF):	16.16
REQUIRED ORNAMENTAL TREES (1 / 750 SF):	10.77
REQUIRED EVERGREEN TREES (1 / 300 SF):	26.93
REQUIRED SHRUBS (1 / 200 SF):	40.40
REQUIRED FENCE:	
PROVIDED SHADE TREES:	23 (EXISTING)
PROVIDED ORNAMENTAL TREES:	11
PROVIDED EVERGREEN TREES:	27
PROVIDED SHRUBS:	41
PROVIDED 6" HIGH PRIVACY FENCE:	

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPREAD	
AC	9	Abies concolor / White Fir	B&B	3"	8-10'	4-5'	
CG	11	Cornus mas 'Golden Glory' / Golden Glory Cornelian Cherry	B&B	3"	8-9'	4-5'	
HM	1	Heptacodium miconioides / Seven Sons Flower	B&B	3"	6-8'	6-7'	
TE	13	Thuja occidentalis 'Emerald' / Emerald Arborvitae	B&B	2"	6-7'	2-3'	
TR	15	Tilia americana 'Redmond' / Redmond American Linden	B&B	3"	12-14'	6-7'	
TG	15	Tilia cordata 'Greenspire' / Greenspire Littleleaf Linden	B&B	3"	12-14'	6-7'	
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPREAD	
CK	10	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	#3		15-18"	15-18"	
JCD	90	Juniperus communis depressa 'Aurea' / Yellow Dwarf Juniper	#3		12"	21-24"	
JO	67	Juniperus virginiana 'Grey Owl' / Grey Owl Juniper	#5		24-27"	27-30"	
PS2	28	Panicum virgatum 'Shenandoah' / Switch Grass	#1		15-18"	15-18"	
PLO	4	Prunus laurocerasus 'Otto Luyken' / Luykens Laurel	#7		30"	36"	
PS	43	Prunus laurocerasus 'Schipkaensis' / Schipka Laurel	#7		30-36"	18-24"	
SG	79	Spiraea x bumalda 'Goldflame' / Goldflame Spirea	#3		24-30"	24-30"	
TD	24	Taxus x media 'Densiformis' / Dense Yew	#5		18-24"	18-24"	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPREAD	SPACING
JW	25	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper	#3				42" o.c.
LB	89	Liriope muscari 'Big Blue' / Big Blue Lilyturf	#1				30" o.c.
RM	114	Rudbeckia missouriensis / Missouri Coneflower	#1				18" o.c.
SS	49	Schizachyrium scoparium 'The Blues' / Little Bluestem	#1				24" o.c.

SEED / SOD SCHEDULE

	FESCUE SOD
--	------------



5016 CENTENNIAL BLVD, SUITE 200, NASHVILLE, TN 37209
(615) 866-2400 | WWW.CATALYSTDSG.COM

DIALYSIS CLINIC, INC.
1633 CHURCH STREET, STE 500
NASHVILLE, TN 37203
615.327.3061

CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT
2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

NO.	DATE	DESCRIPTION

DRAWING TITLE
LANDSCAPE PLAN

PROJECT NUMBER
20180111

DRAWING NUMBER
L1.0

1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
2. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONFIRM ALL MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE.
3. NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
5. ALL PLANTING BEDS TO RECEIVE "CHANCELOT" HARDWOOD MULCH. MULCH TO BE INSTALLED TO 4" DEPTH UNLESS OTHERWISE INDICATED ON THE PLANTING DETAILS.
6. NEW TREE PLANTINGS TO BE STAKED PER PLANTING DETAILS
7. DIMENSIONS LISTED FOR HEIGHTS, SPREAD AND TRUNK SPECIFICATIONS ON THE PLANT MATERIAL SCHEDULE ARE GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT.
8. PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IMMEDIATELY PRIOR TO PLACEMENT OF MULCH FOR WEED CONTROL.
9. ALL DISTURBED AREAS OF THE SITE ARE TO BE SEEDED AND/OR SODDED IN ACCORDANCE WITH THE SPECIFICATIONS.
10. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OVERNIGHT.
11. THE LANDSCAPE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS, LICENSES, ETC., AND SHALL GIVE ALL NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, CODES, RULES AND REGULATIONS DURING THE COURSE OF THE INSTALLATION OF THIS PROJECT.
12. ALL PLANT MATERIALS TO BE NURSERY GROWN AND TO COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND QUALITY.
13. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
14. ALL PLANTS SHALL HAVE A WELL-FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDamAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
15. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY PERCENT (50%) OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
16. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO OPENING ANY PLANT PITS.
17. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF SELECTED HOLES WITH SIX INCHES OF WATER. THIS WATER SHOULD PERCOLATE OUT WITHIN A 24-HOUR PERIOD. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT A GIVEN AREA DOES NOT DRAIN PROPERLY, A P V C DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTING RELOCATED.
18. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR OTHER SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PAN, STEAM OF OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS, OTHERWISE THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
19. NO MATERIAL SHALL BE PLANTED BEFORE FINISH GRADING HAS BEEN COMPLETED.
20. EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION. IN ACCORDANCE WITH THE TREE PRESERVATION NOTES AND DETAILS ON THE LANDSCAPE PLAN.
21. SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
22. PLANTS IDENTIFIED IN ALTERNATE AREAS ARE TO BE BID SEPARATELY.
23. ALL BEDS ARE TO BE TILLED TO A DEPTH OF 8" WITH THE ADDITION OF: (1) 6 CU. FT. BALE OR SPHAGNUM PEAT MOSS PER 40 SQ. FT. OF BED AREA; (25#) 10-10-10 FERTILIZER PER 1000 SQ. FT. IF azaleas, rhododendrons or PIERIS ARE USED, ADD 3 CU. FT. FINELY GROUND "PINE" BARK MULCH PER 25 SQ. FT. OF BED AREA. ALL ADDITIONS ARE TO BE SPREAD AND TILLED INTO THE SOIL UNIFORMLY.
24. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT WHEN THE PLANT MATERIALS ARE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

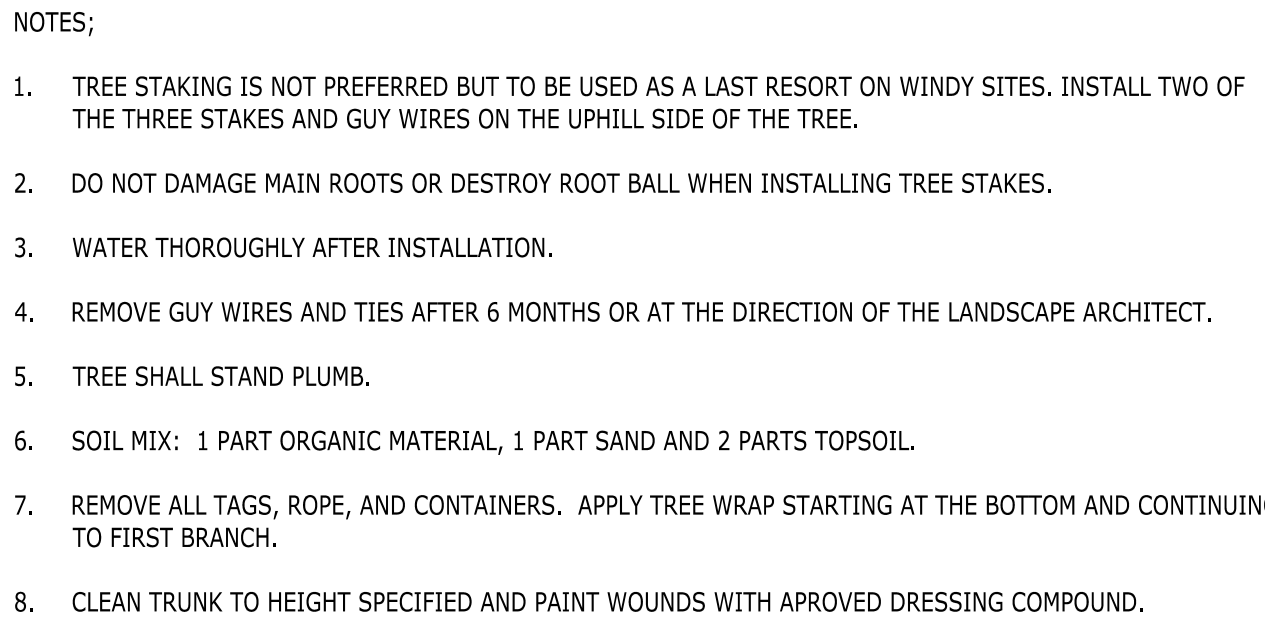
RESERVED
NOT TO SCALE

RESERVED
NOT TO SCALE

RESERVED
NOT TO SCALE

3 SPADED BED EDGE

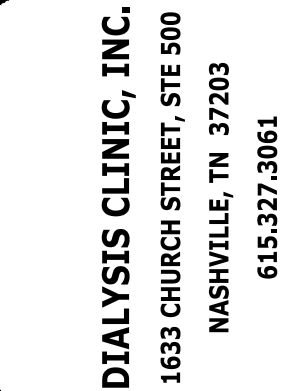
NO SCALE



1

TREE PLANTING

NO SCALE



CONSTRUCTION DRAWINGS

DCI - LEE'S SUMMIT

2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

[illegible]

DRAWING TITLE

LANDSCAPE
DETAILS

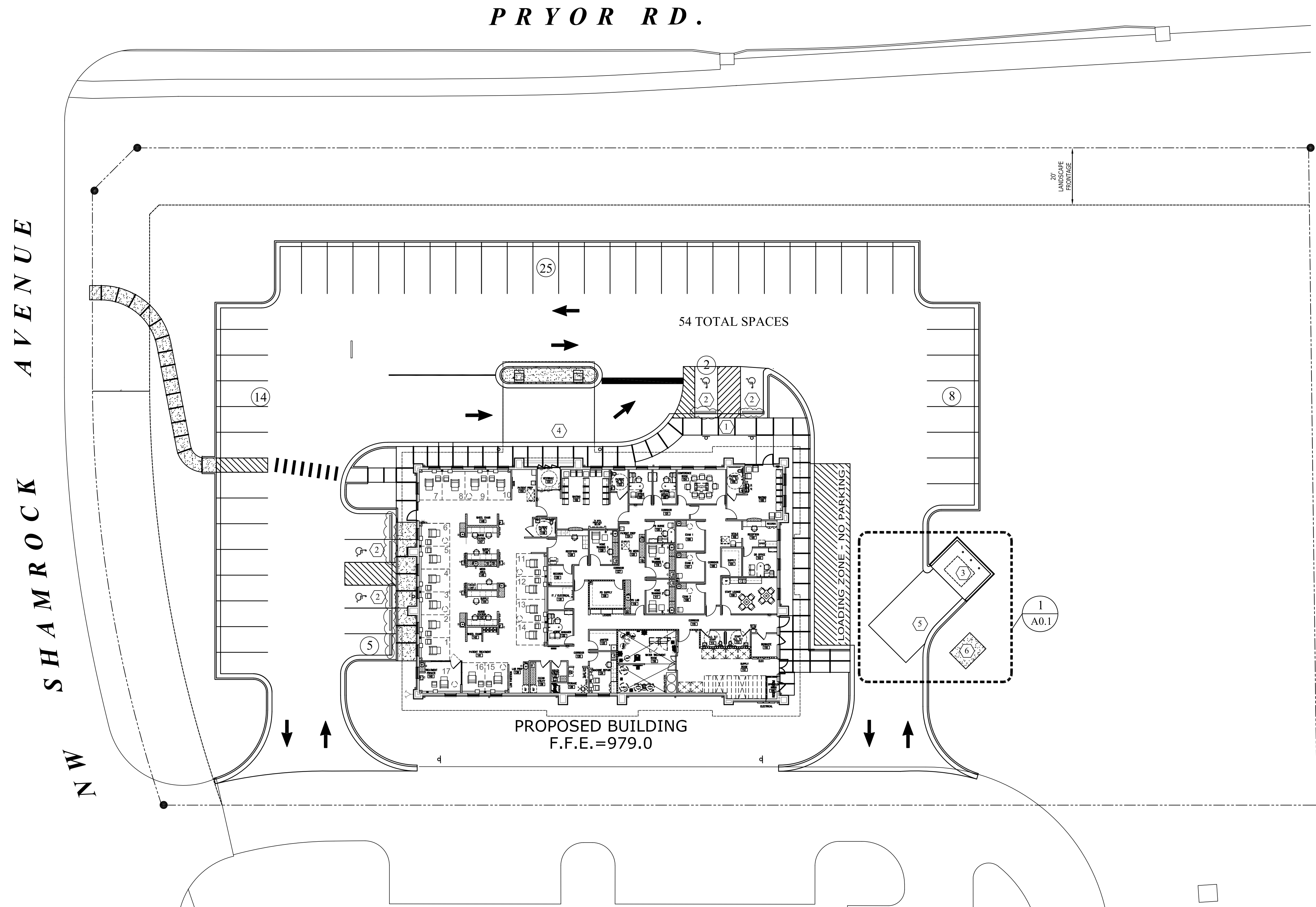
PROJECT NUMBER	20180111
DRAWING NUMBER	

L2.0

- ① SIDEWALK FLUSH W/ PARKING @ HANDICAP SPACES, SEE CIVIL.
- ② HANDICAPPED PARKING SPACE, SIGN AND BOLLARD SEE CIVIL.
- ③ PROVIDE DUMPSTER ENCLOSURE. SEE DETAILS A0.1
- ④ DRIVE UNDER PORTE COCHERE TO RAMP UP TO SIDEWALK
- ⑤ PROVIDE 8" THICK CONCRETE APRON AT DUMPSTER PAD
- ⑥ PROVIDE 8'-0" x 6'-0" TRANSFORMER LOCATION (SEE ELECTRICAL)

Date / Issue
NOVEMBER 6, 2019
PRICING & PERMIT
DECEMBER 19, 2019
REVISION 1
JANUARY 6, 2020
REVISION 2

NOTES TO SHEET 5



DCI
LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT
4101 WILLOWBROOK ROAD - SUITE 303 - NASHVILLE, TN 37216 - (615) 851-4344

Project Number
18045.0
Sheet Title
ARCHITECTURAL
SITE PLAN

Sheet Number
A0.0

Date / Issue
NOVEMBER 6, 2019
PRICING & PERMIT
DECEMBER 19, 2019
REVISION 1
JANUARY 6, 2020
REVISION 2

DCI
LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT
4101 MILLBROOK ROAD • SUITE 303 • NASHVILLE, TN 37218 • (615) 851-3388

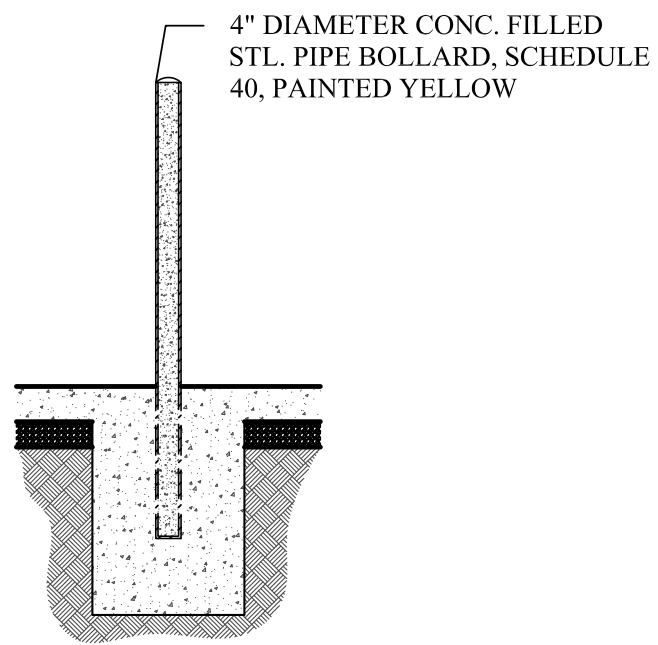
Project Number
18045.0

Sheet Title

DUMPSTER &
SITE DETAILS

Sheet Number

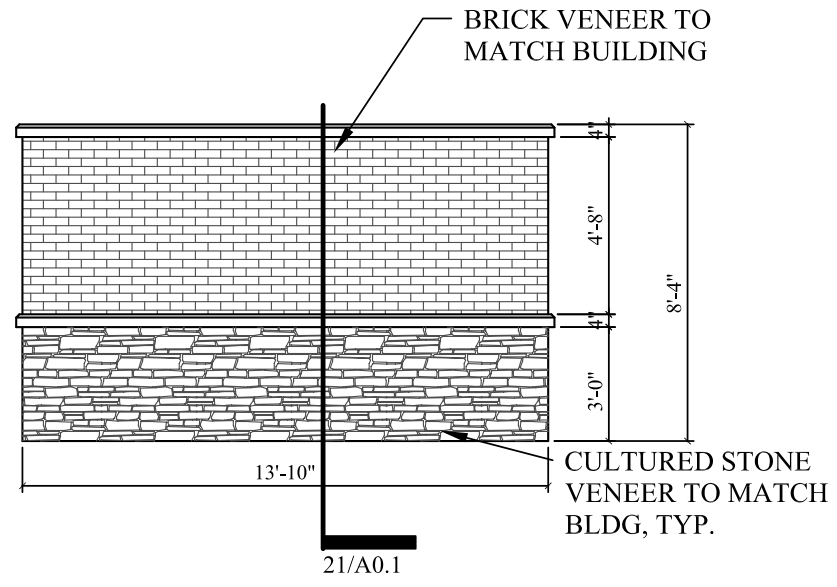
A0.1



BOLLARD DETAIL

SCALE: 1/2" = 1'-0"

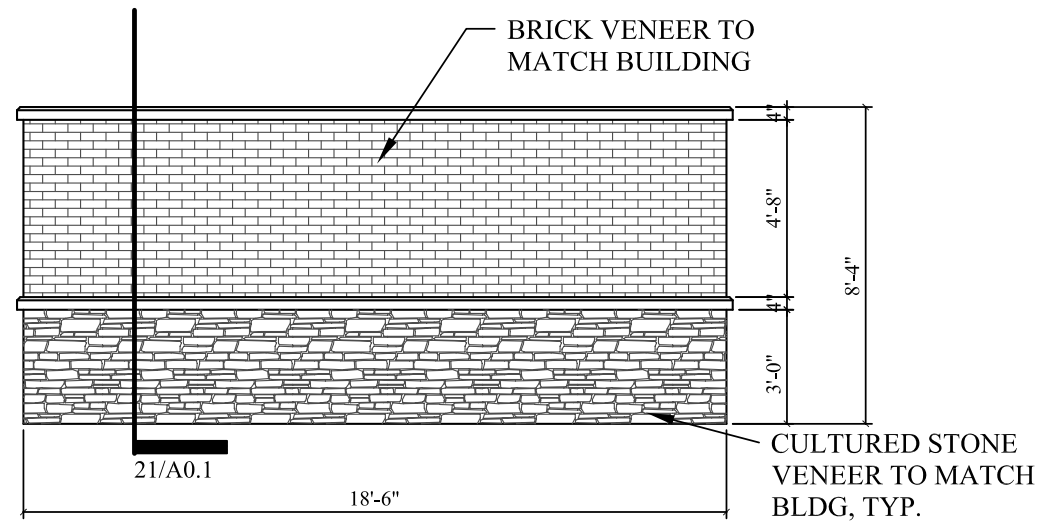
24



DUMPSTER ELEVATION

SCALE: 1/4" = 1'-0"

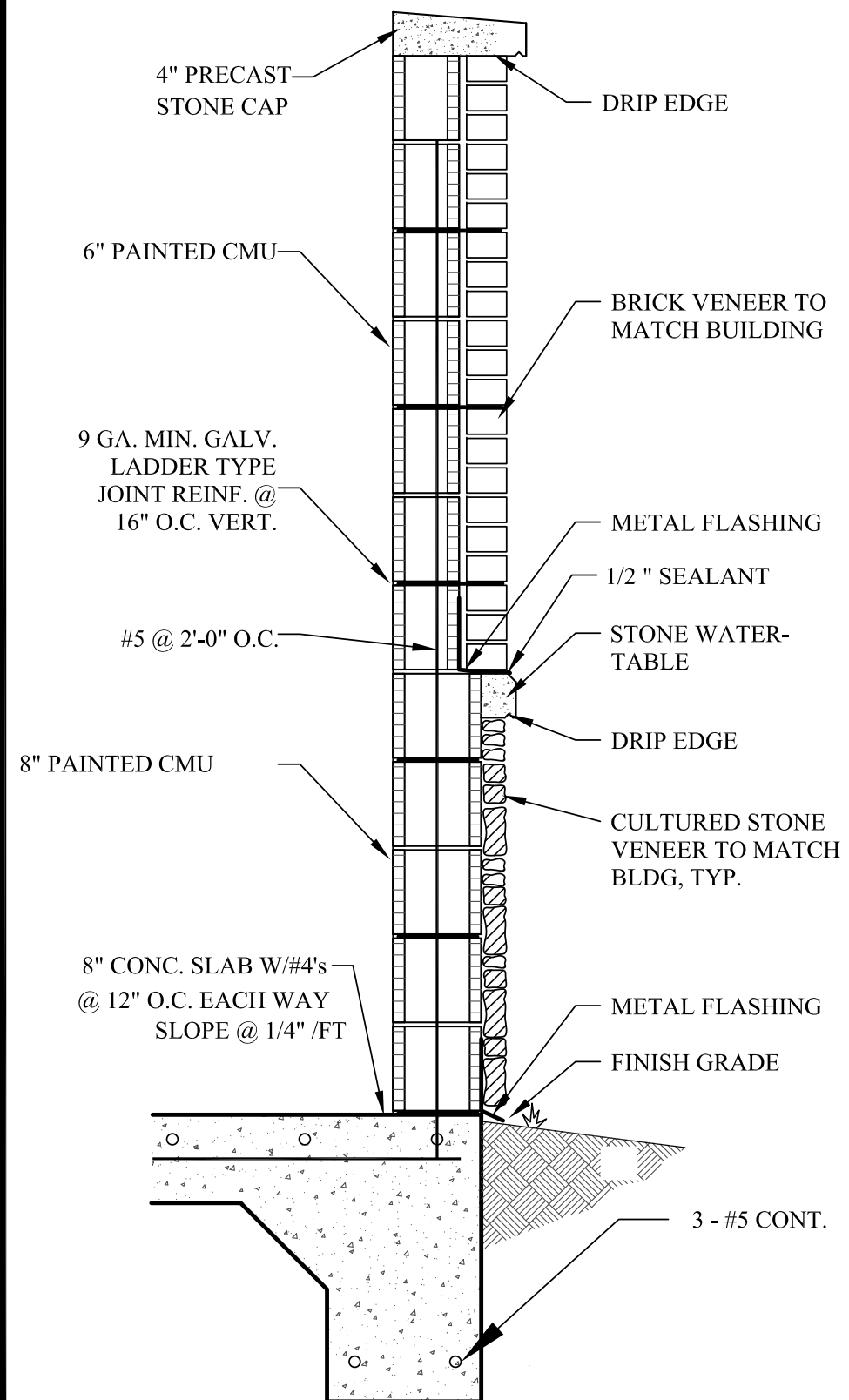
14



DUMPSTER ELEVATION

SCALE: 1/4" = 1'-0"

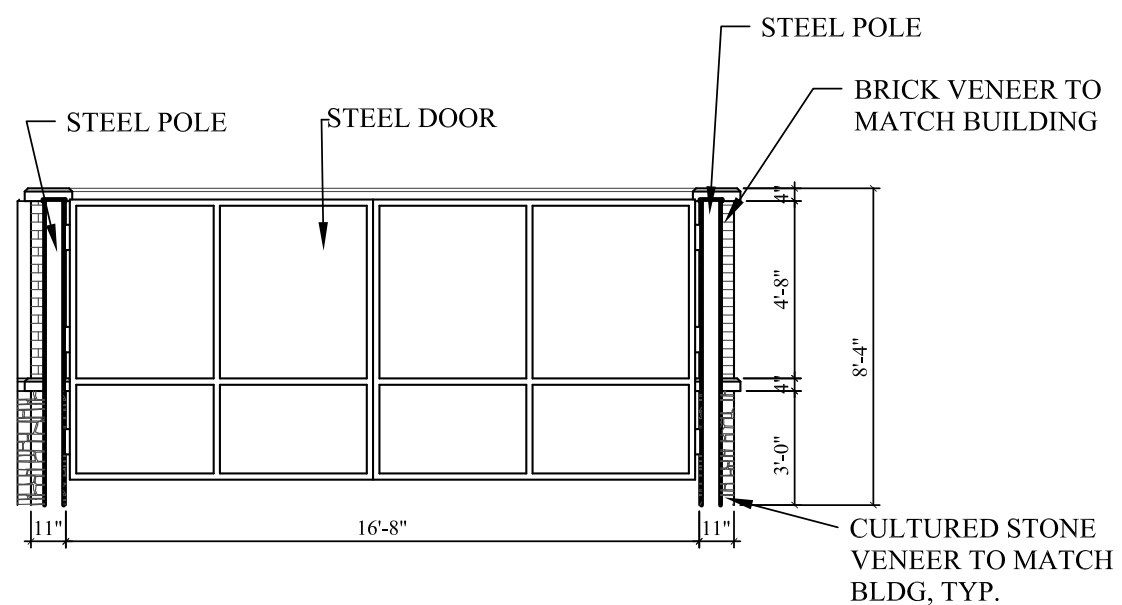
13



ENCLOSURE WALL DETAIL

1" = 1'-0"

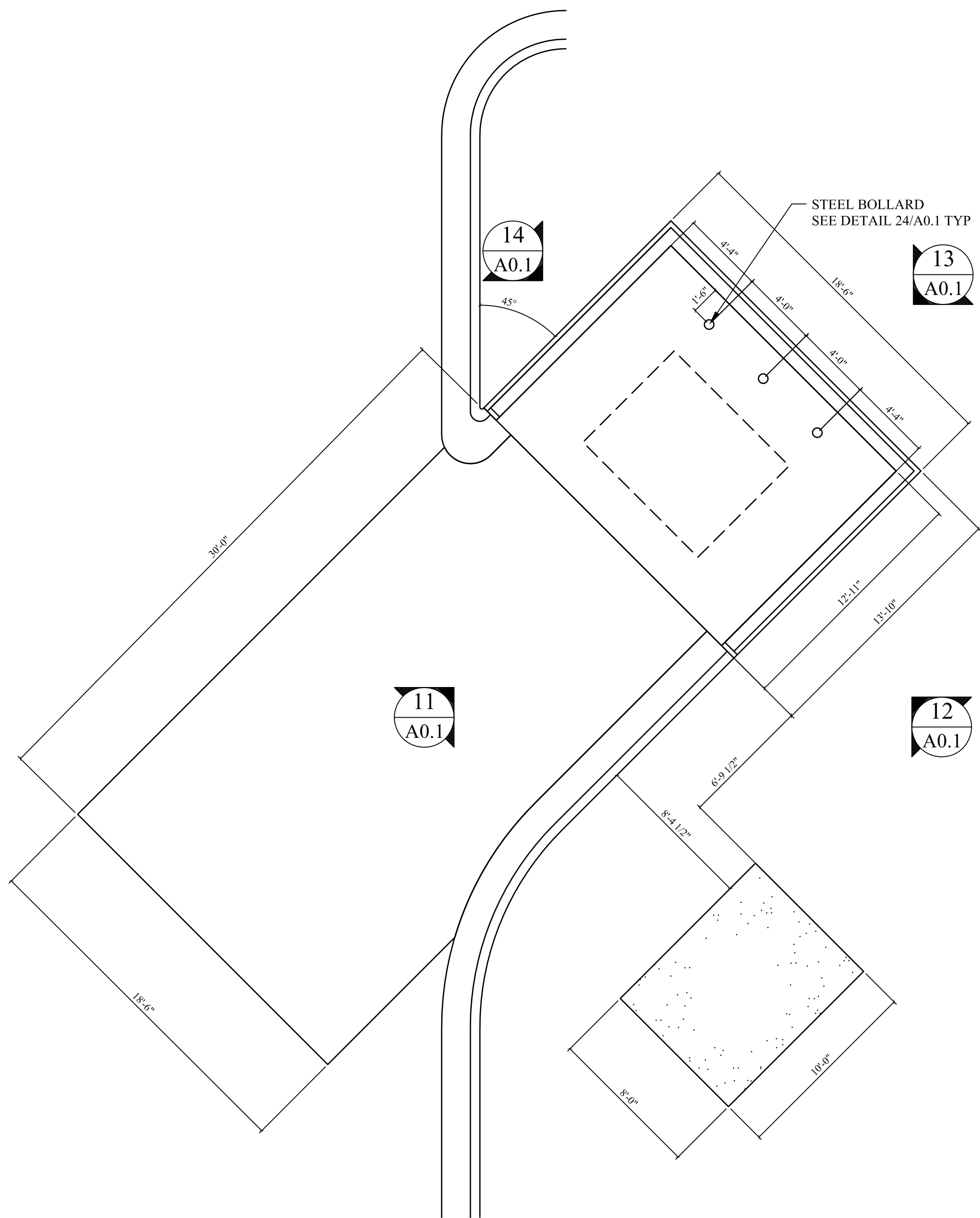
21



DUMPSTER ELEVATION

SCALE: 1/4" = 1'-0"

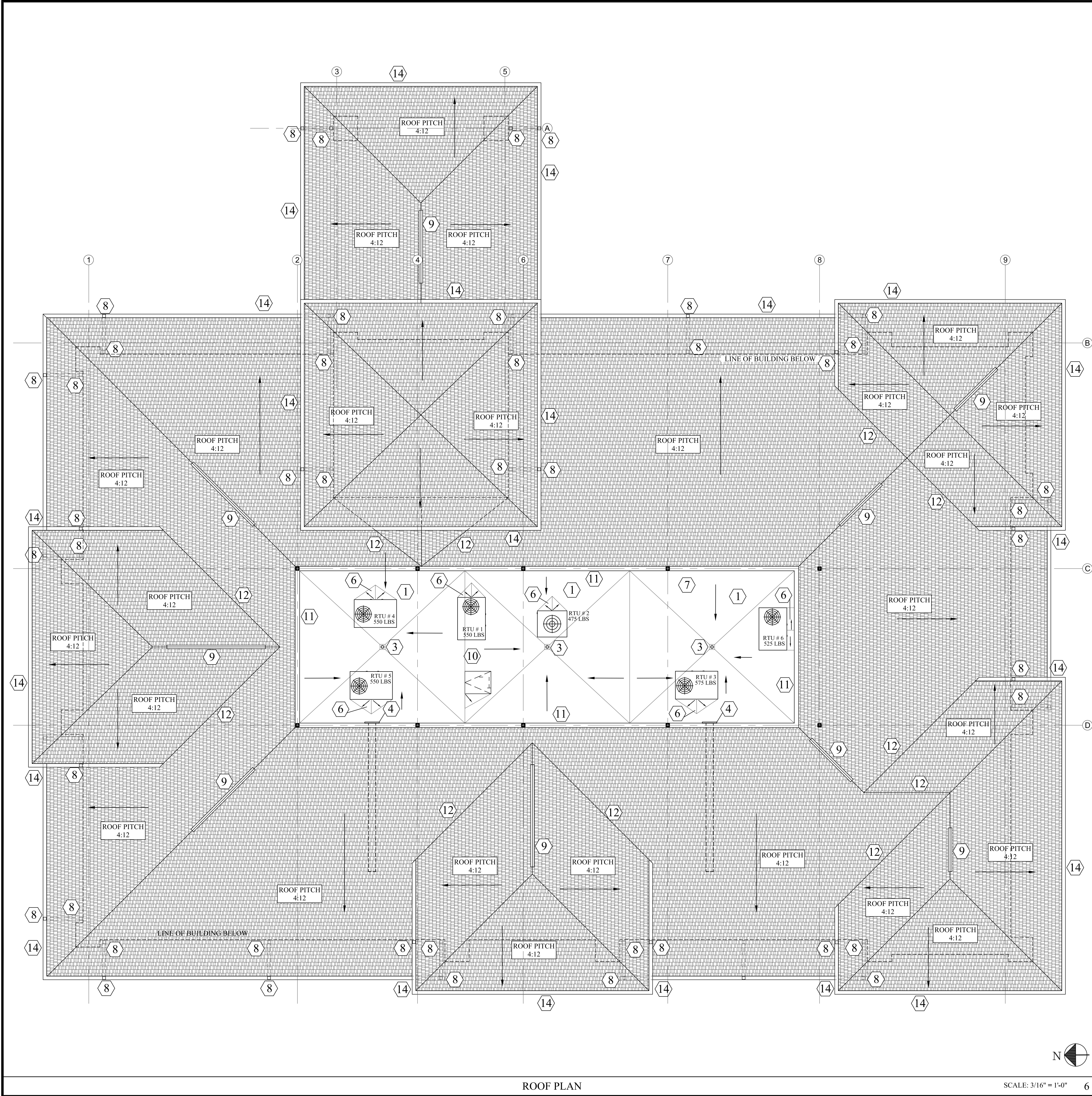
11



ENLARGED DUMPSTER PLAN

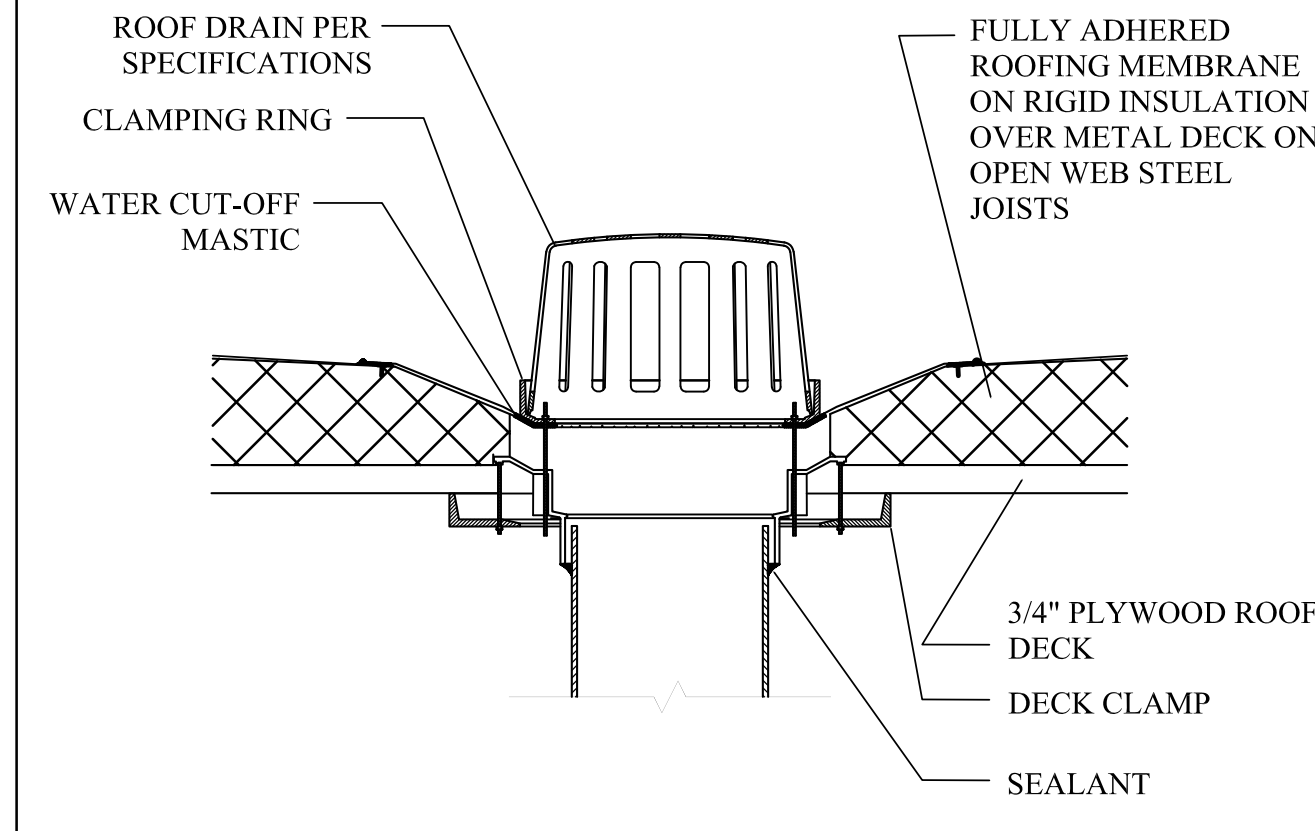
SCALE: 1/4" = 1'-0"

1

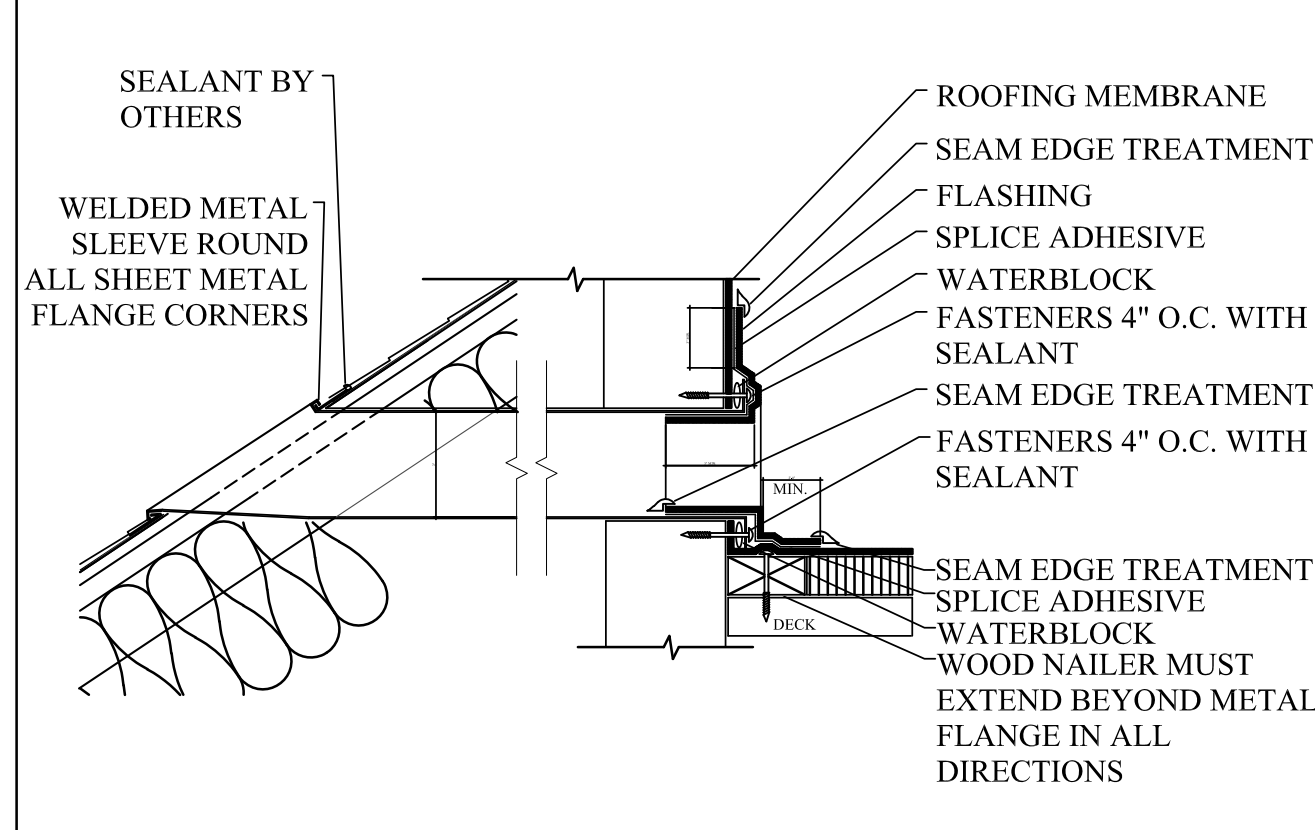


- ① R-30 TAPER INSULATION, SLOPE 1/4" PER FOOT (MINIMUM)
- ② ——— INDICATES DIRECTION OF DOWNWARD SLOPE AND FLOW OF WATER
- ③ PROVIDE ROOF DRAIN, SEE DETAIL 4/A3.0
- ④ PROVIDE 3" X 8" OVERFLOW SCUPPER, REFERENCE SHEET 3/A3.0 FOR DETAILS
- ⑤ GENERAL CONTRACTOR IS TO DIRECT ROOFING CONTRACTOR TO INSTALL FLASHING AT ALL ROOF PENETRATIONS, AS PER ROOF MANUFACTURER'S STANDARD DETAILS
- ⑥ PROVIDE CRICKETS AT ALL CURBS AND PENETRATIONS, AS REQUIRED, TO DIVERT WATER AWAY FROM ALL OBSTRUCTIONS. SLOPE 1/2" PER FOOT.
- ⑦ REFERENCE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXACT LOCATION OF FANS, MECHANICAL UNITS, VENTS, DOWNSPOUTS, ETC AND OTHER ROOF PENETRATIONS NOT SHOWN ON THE ROOF PLAN
- ⑧ PROVIDE PRE-FINISHED 5" METAL DOWNSPOUTS.
- ⑨ PROVIDE RIDGE VENT FOR PROPER VENTILATION OF ATTIC SPACE
- ⑩ ROOF ACCESS LADDER AND HATCH, SEE 1/A3.0 FOR HATCH DETAIL
- ⑪ RUN ROOFING UP WALLS
- ⑫ PROVIDE VALLEY FLASHING
- ⑬ PROVIDE SHINGLE ROOFING ON ALL SLOPED ROOFS TYPICAL
- ⑭ 6" PRE-FINISHED METAL GUTTER

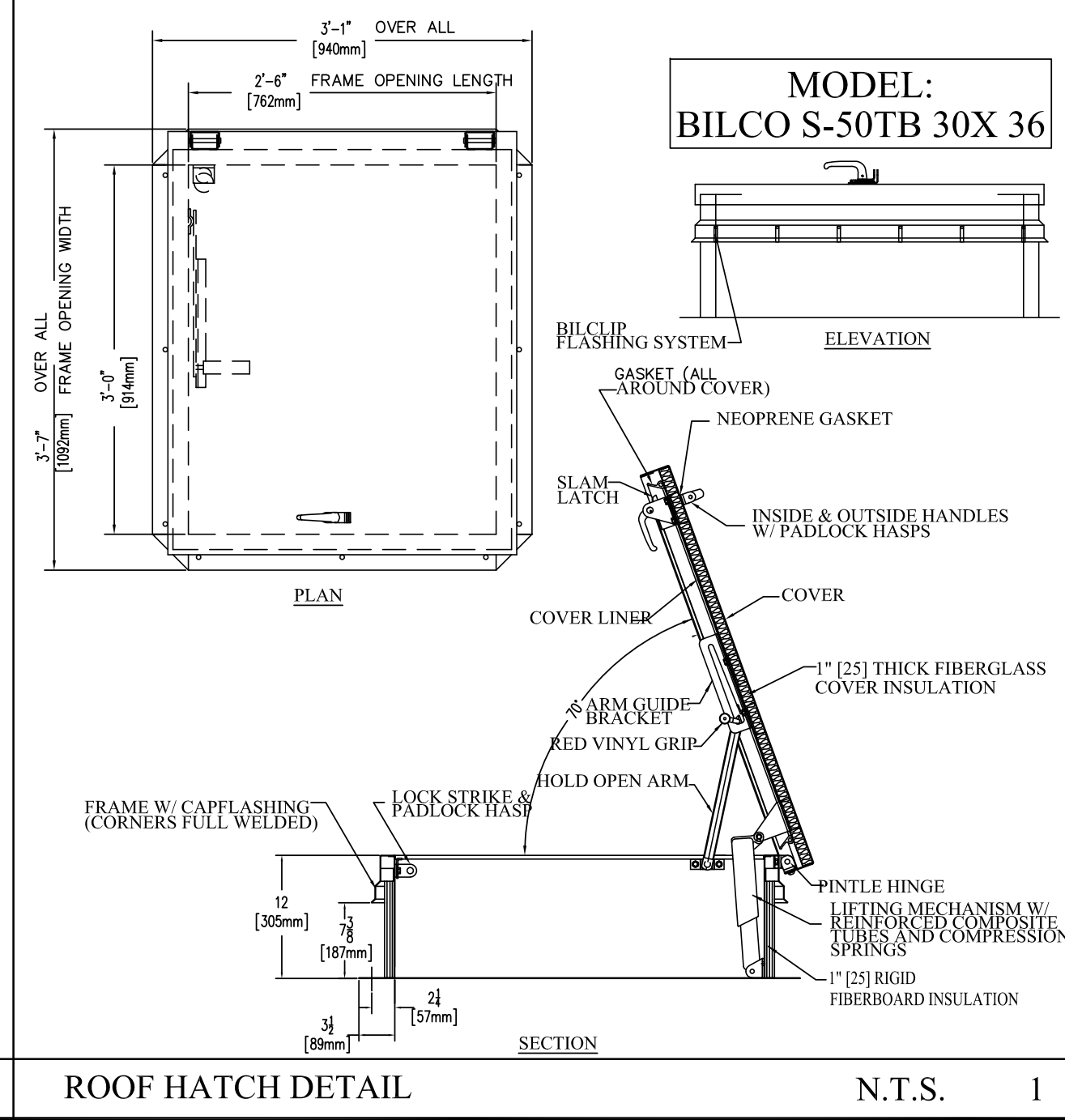
NOTES TO SHEET 5



DETAIL @ ROOF DRAIN 1-1/2" = 1'-0" 4



SECTION THROUGH OVERFLOW SCUPPER 2" = 1'-0" 3



ROOF HATCH DETAIL N.T.S. 1

Date / Issue

NOVEMBER 6, 2019
PRICING & PERMIT
DECEMBER 19, 2019
REVISION 1
JANUARY 6, 2020
REVISION 2

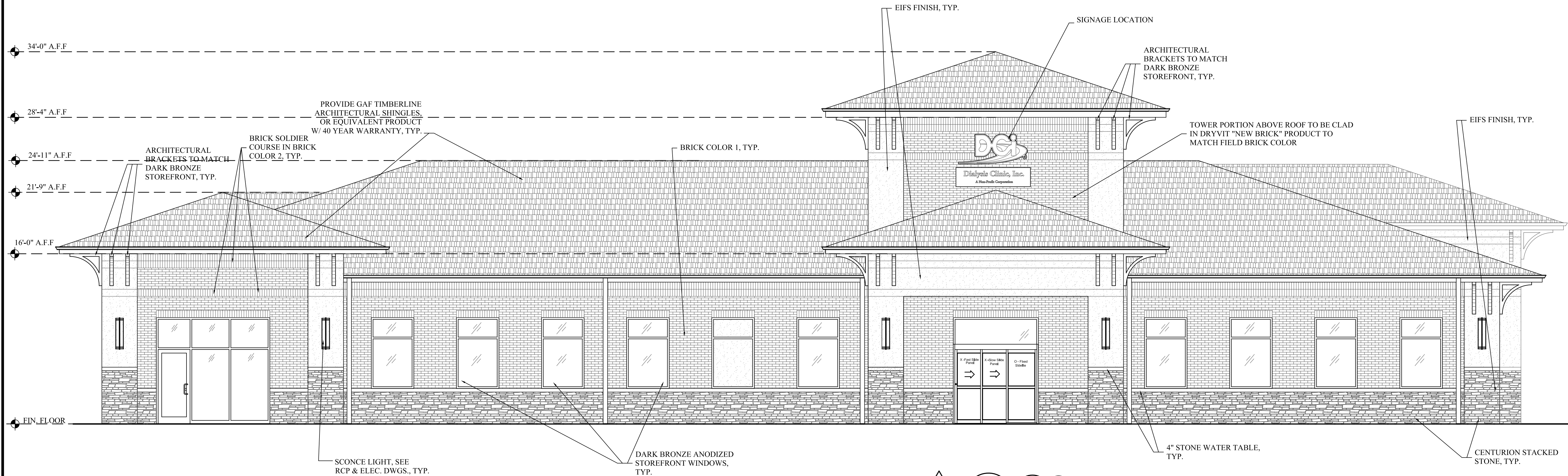
LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT
4101 MILLBURN ROAD - SUITE 303 - NARVILLE, TN 37116 - (615) 851-4344

Project Number
18045.0

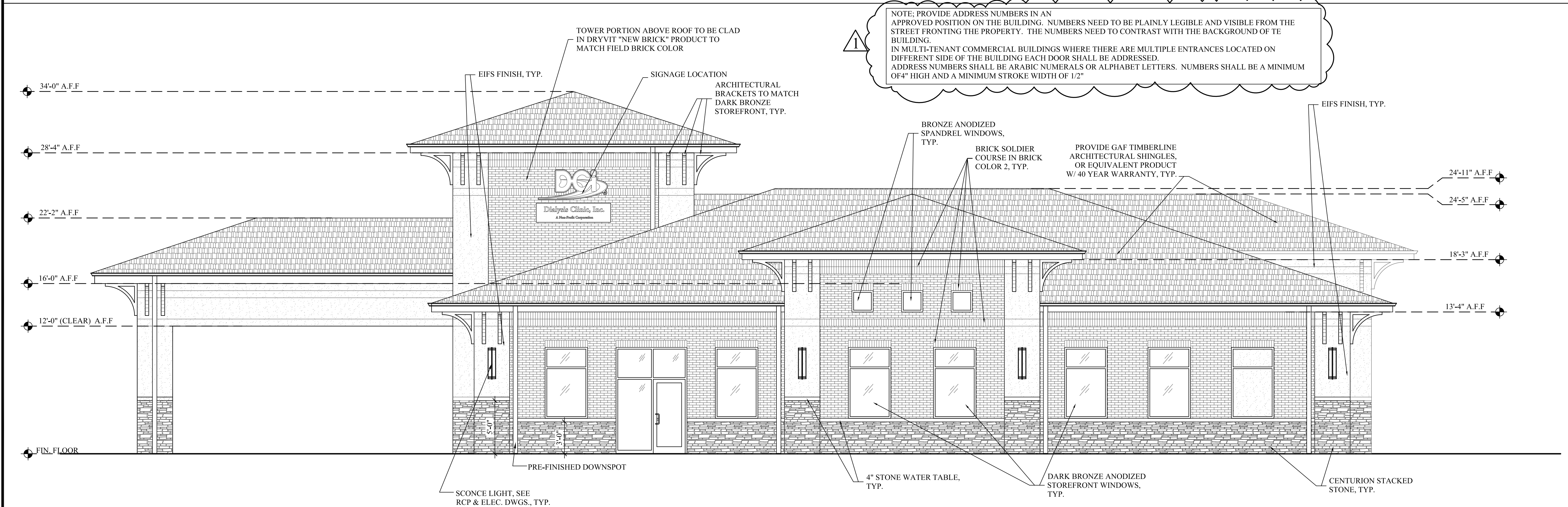
Sheet Title
ROOF PLAN

Sheet Number
A3.0



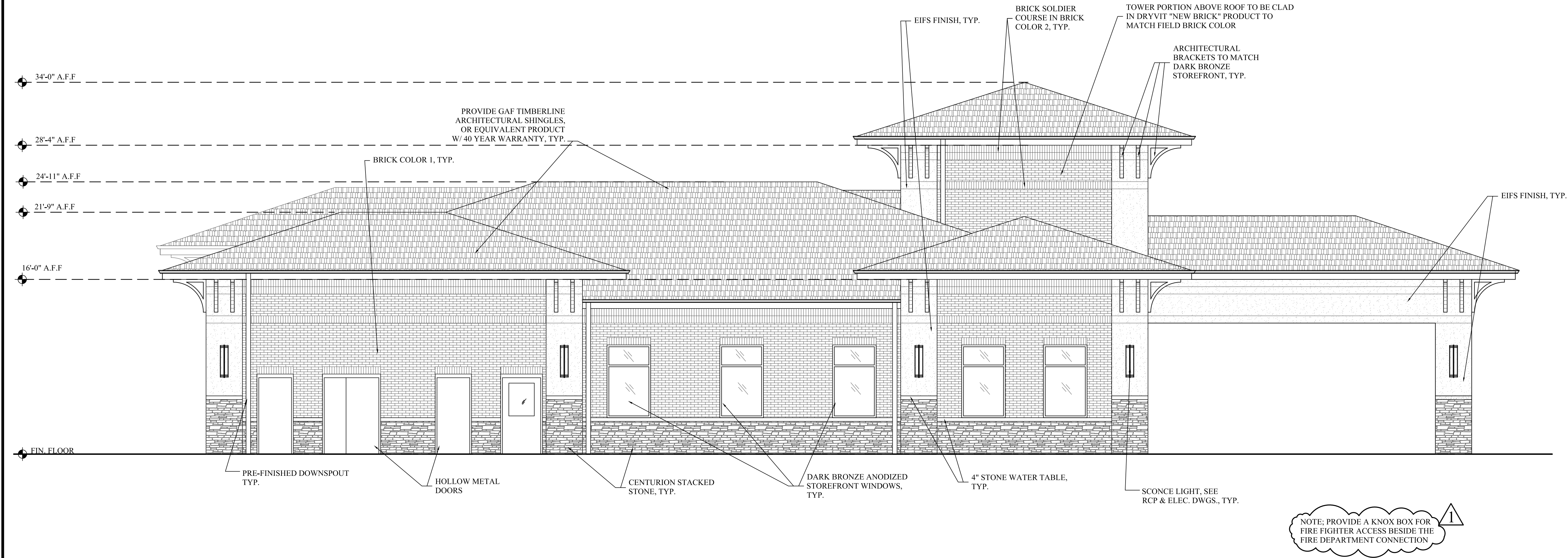
FRONT ELEVATION

SCALE: 1/4" = 1'-0" 3



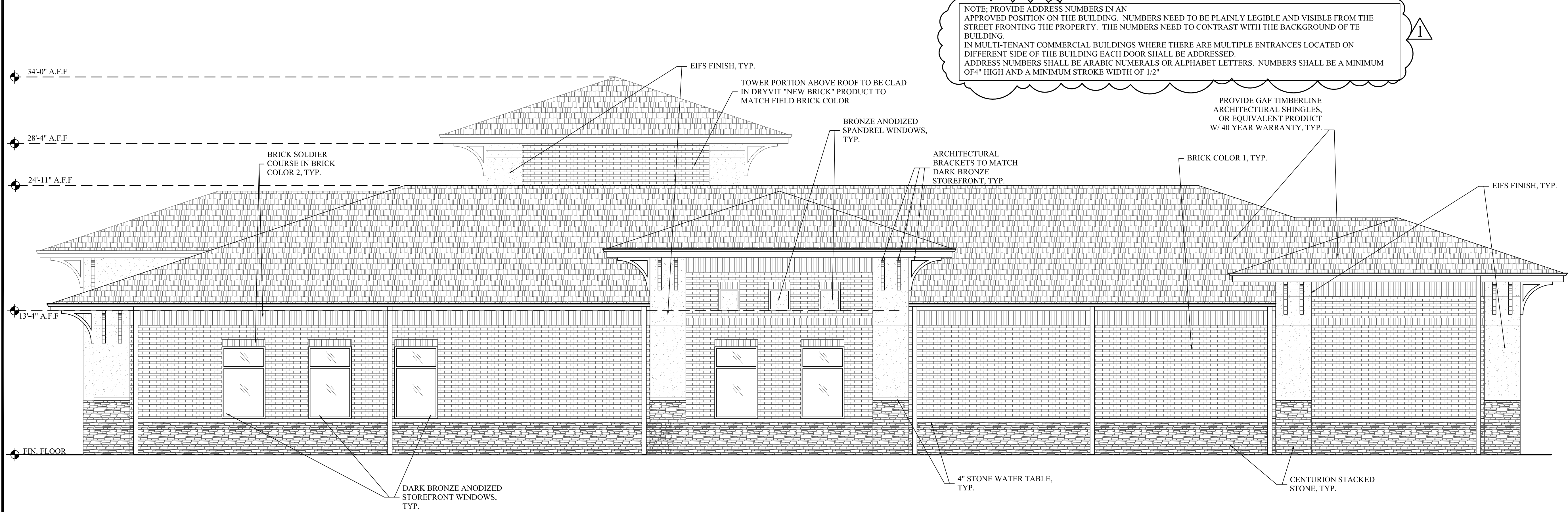
LEFT SIDE ELEVATION

SCALE: 1/4" = 1'-0" 1



FRONT ELEVATION

SCALE: 1/4" = 1'-0" 3



LEFT SIDE ELEVATION

SCALE: 1/4" = 1'-0" 1

Date / Issue
NOVEMBER 6, 2019
PRICING & PERMIT
DECEMBER 19, 2019
REVISION 1
JANUARY 6, 2020
REVISION 2

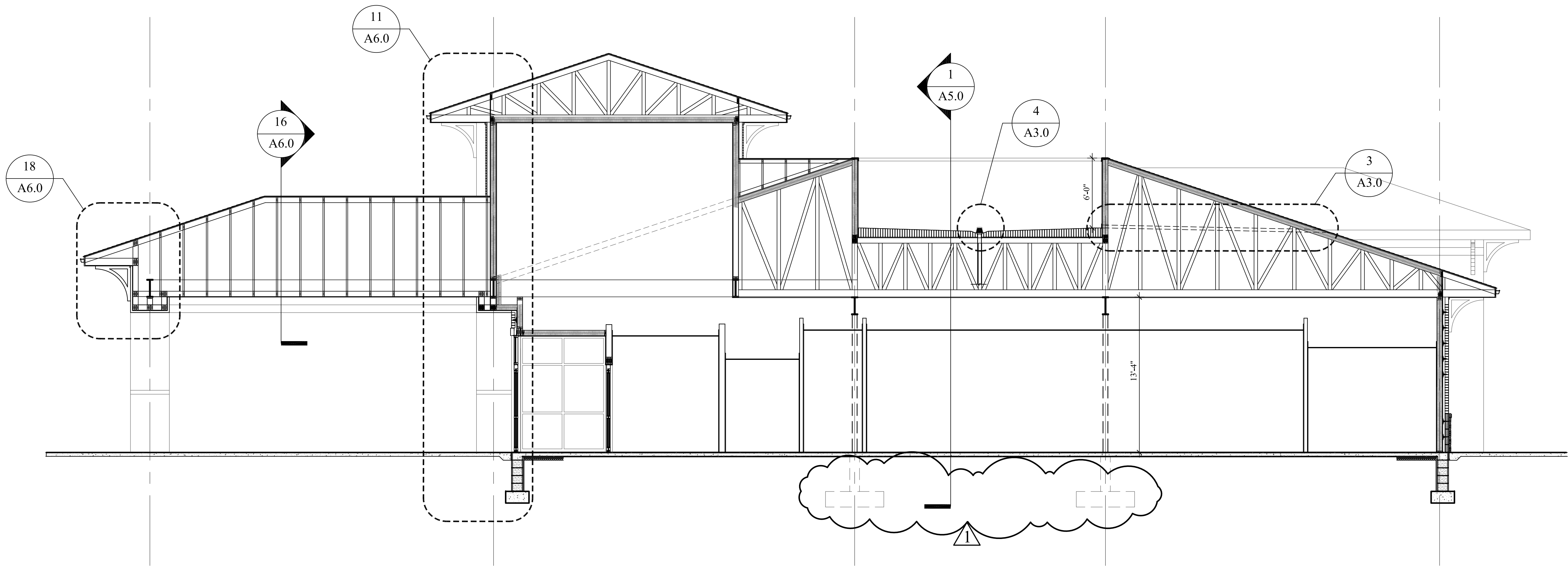
DCI
LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT
4101 MILLBROOK ROAD • SUITE 303 • NASHVILLE, TN 37218 • (615) 851-4344

Project Number
18045.0

Sheet Title
BUILDING
SECTIONS

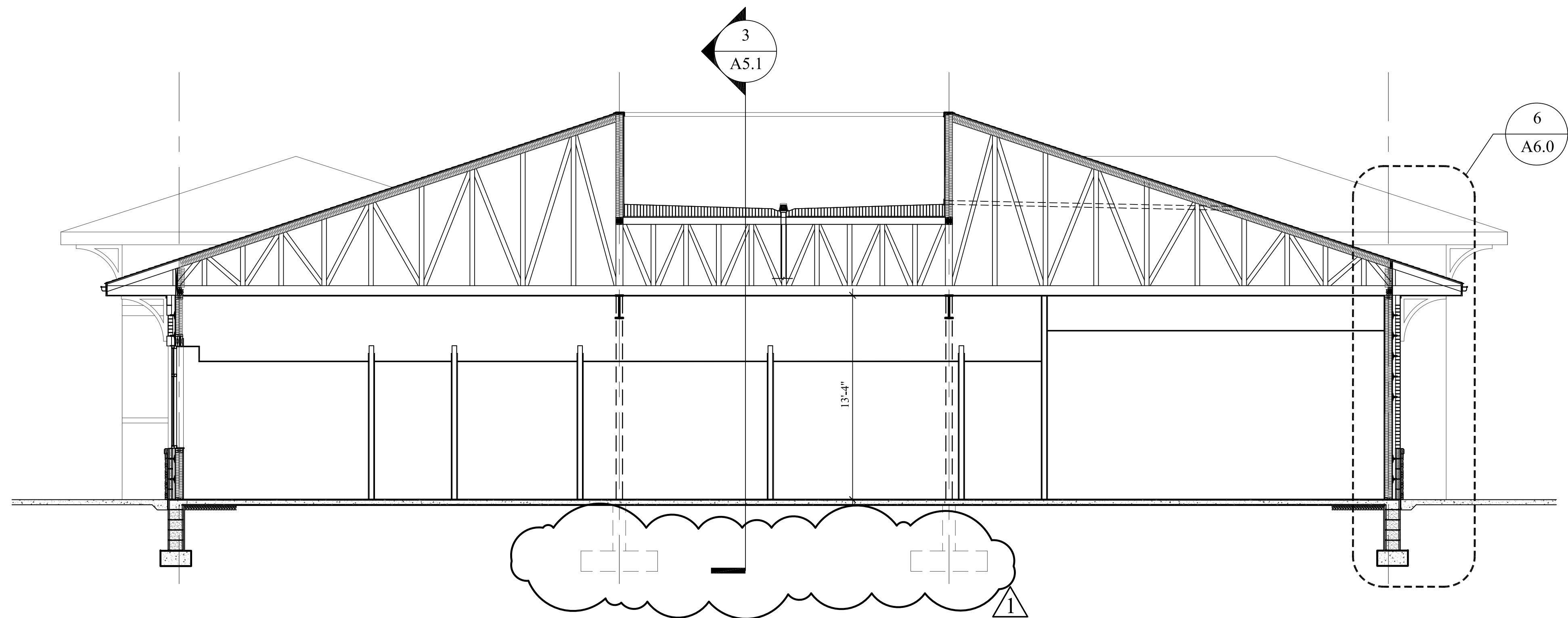
Sheet Number
A5.0



BUILDING SECTION AT ENTRANCE

1/4" = 1'-0"

3



BUILDING SECTION

1/4" = 1'-0"

1

Date / Issue
NOVEMBER 6, 2019
PRICING & PERMIT
DECEMBER 19, 2019
REVISION 1
JANUARY 6, 2020
REVISION 2

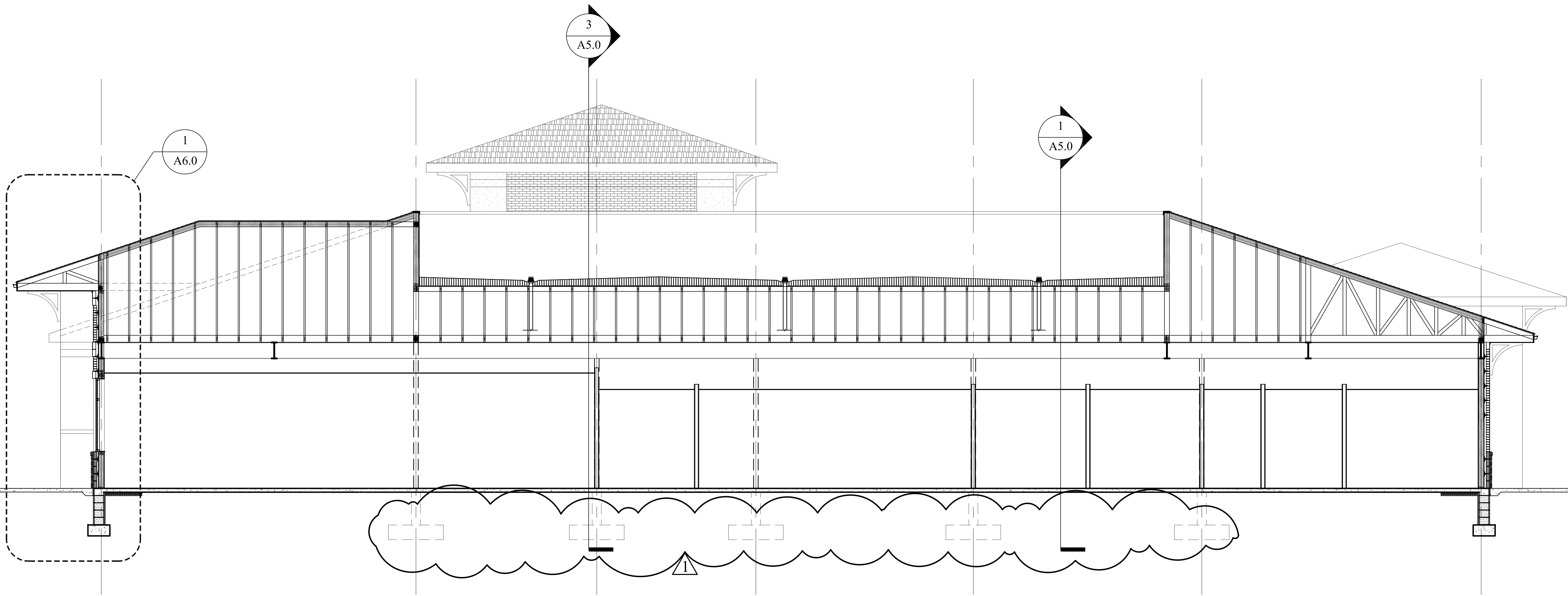
DCI
LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT
4101 MILLBROOK ROAD • SUITE 303 • NASHVILLE, TN 37218 • (615) 851-3300

Project Number
18045.0

Sheet Title
BUILDING
SECTIONS

Sheet Number
A5.1



BUILDING TRANSVERSE SECTION

1/4" = 1'-0"

3

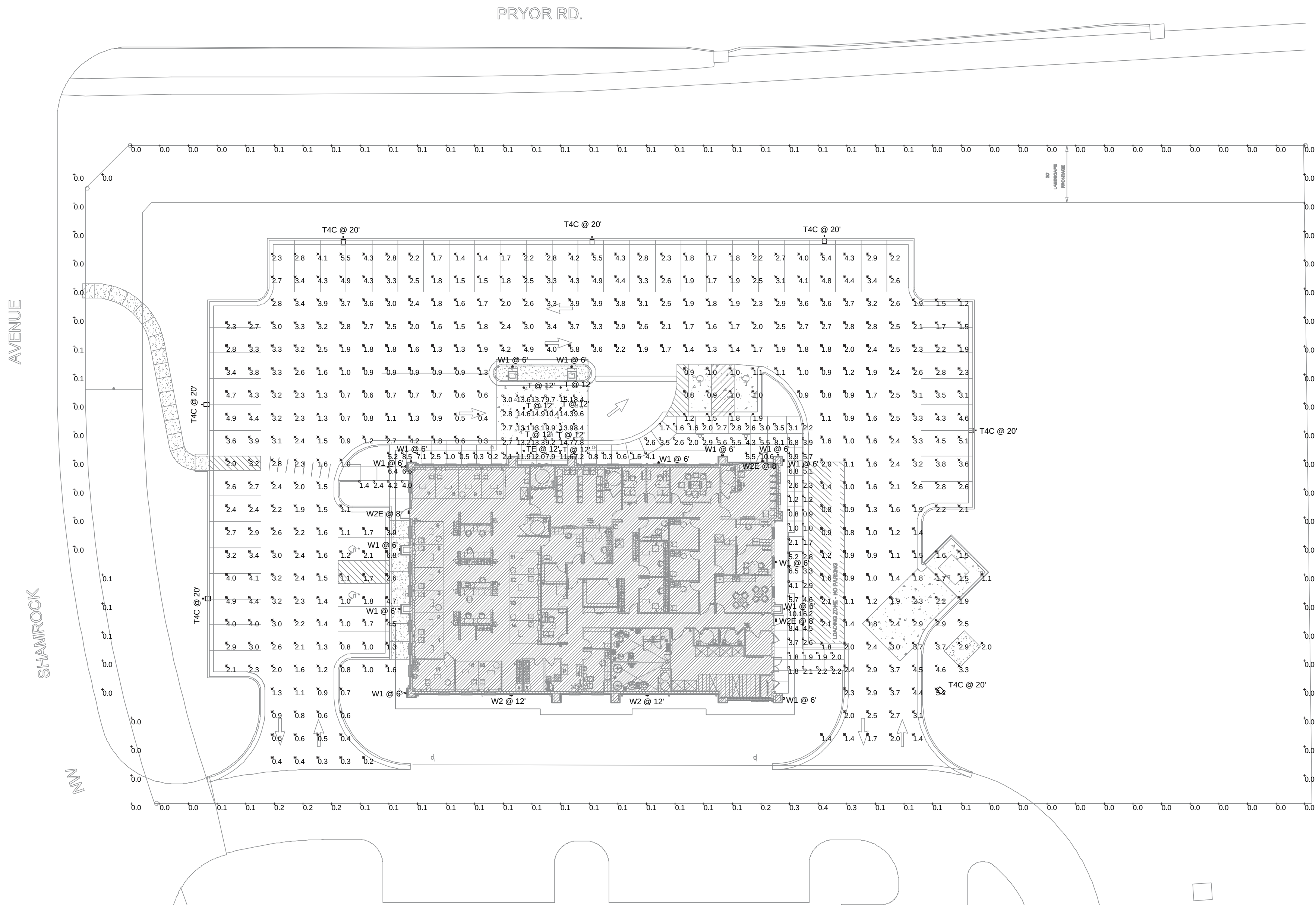
This drawing shall not be reproduced, published, stored in an electronic retrieval system, or used in any way without written permission of the engineer.



6901 Lenox Village Dr.
Suite 108
Nashville, Tennessee 37211
ph: 615.309.9926

Date / Issue

NOVEMBER 6, 2019
PRICING & PERMIT



Schedule			
Symbol	Label	Catalog Number	Description
	T	LDN6 2715 LWSAR LD	6IN LDN WALLWASH, 2700K, 1500LM, CLEAR, MATTE DIFFUSE REFLECTOR
	TE	LDN6 2715 LWSAR LD	6IN LDN WALLWASH, 2700K, 1500LM, CLEAR, MATTE DIFFUSE REFLECTOR
	W1	OW1297	WALL MOUNT RECTANGULAR 48" VERTICAL
	W2E	DSXW1 LED 10C 350 40K ASYDF MVOLT	DSXW1 LED WITH (3) 10 LED LIGHT ENGINES, TYPE ASYDF OPTIC, 4000K, @ 350mA
	T4C	DSX1 LED P3 40K T4M MVOLT HS	DSX1 LED P3 40K T4M MVOLT with housings shield
	W2	DSXW1 LED 10C 350 40K ASYDF MVOLT	DSXW1 LED WITH (3) 10 LED LIGHT ENGINES, TYPE ASYDF OPTIC, 4000K, @ 350mA

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking/Drive	X	2.3 fc	6.8 fc	0.2 fc	34.0:1	11.5:1
Property Line	+	0.1 fc	0.4 fc	0.0 fc	N/A	N/A
Sidewalk/Courtyard	□	5.3 fc	15.1 fc	0.2 fc	75.5:1	26.5:1



GENERAL NOTES:

- a. SITE POLE LIGHTING SHALL BE AT A 20FT ELEVATION.
b. CONTRACTOR SHALL REFER TO ALL LOCAL CODES AND ORDINANCES FOR ANY ADDITIONAL SITE LIGHTING REQUIREMENTS.

LEE'S SUMMIT FACILITY
2001 NW SHAMROCK RD
LEE'S SUMMIT, MISSOURI 64081

RANDALL DOVER
ARCHITECT

4121 HILLSBORO ROAD • SUITE 303 • NASHVILLE, TN 37218 • (615) 251-4349



Project Number
18045.0

Sheet Title

SITE PHOTOMETRICS

Sheet Number

E1.1

[illegible]

D-Series Size 1

LED Area Luminaire



d-Series

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1

OWZ207 – Pig™

4 Square Atmos

Type: _____
Project: _____

YenLighting.com/products/Pig

Order Code: **OWZ207**

MODEL

Project: **WVOT**

SOURCE

Fit in shaded boxes using information below

VOLTAGE

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

MODEL

SOURCE

VOLTAGE

OPTIC

Category and Housing

Access Plate

D-Series Size 1 LED Luminaire

Rating Number
Notes

d'series

Specifications Luminaire

Width:	13-3/4" (348 mm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (254 mm)		
Height:	6-3/8" (163 mm)		

Back Box (BBW, ELWCW)

Width:	13-3/4" (348 mm)	5 lbs (2.3 kg)
Depth:	4" ELWCW (102 mm)	
Height:	6-3/8" (163 mm)	

For 3/4" NPT (optional) (see BBW-001)

Introduction

The D-Series LED luminaire is a stylish, fully integrated LED solution for building-modest applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 25 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series WMA is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSW1 LED 20C 1000 400 T3M MVOLT DDBT30

Series	Light Source	Color Temperature	Beam Angle	Input	Output	Mounting	Control Options
DSW1 LED	30° LEDs 1000 20C (avg)	1000 mA 1000 mA 1000 mA 1000 mA	30° 30° 30° 30°	1000 W 1000 W 1000 W 1000 W	T3M T3M T3M T3M	1000 1000 1000 1000	Control Options
DSW1 LED	30° LEDs 1000 20C (avg)	1000 mA 1000 mA 1000 mA 1000 mA	30° 30° 30° 30°	1000 W 1000 W 1000 W 1000 W	T3M T3M T3M T3M	1000 1000 1000 1000	Control Options
DSW1 LED	30° LEDs 1000 20C (avg)	1000 mA 1000 mA 1000 mA 1000 mA	30° 30° 30° 30°	1000 W 1000 W 1000 W 1000 W	T3M T3M T3M T3M	1000 1000 1000 1000	Control Options
DSW1 LED	30° LEDs 1000 20C (avg)	1000 mA 1000 mA 1000 mA 1000 mA	30° 30° 30° 30°	1000 W 1000 W 1000 W 1000 W	T3M T3M T3M T3M	1000 1000 1000 1000	Control Options

Other Options

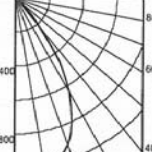
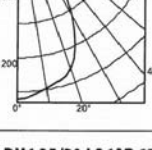
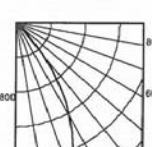
Shipped as standard	Shipped as optional	Shipped as optional	Shipped as optional	Shipped as optional	Shipped as optional	Shipped as optional
DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED
DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED
DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED
DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED	DSW1 LED

Accessories

Accessories	Notes
DSW1 LED	1. DSW1 LED is available with 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000, 1005, 1010, 1015, 1020, 1025, 1030, 1035, 1040, 1045, 1050, 1055, 1060, 1065, 1070, 1075, 1080, 1085, 1090, 1095, 1100, 1105, 1110, 1115, 1120, 1125, 1130, 1135, 1140, 1145, 1150, 1155, 1160, 1165, 1170, 1175, 1180, 1185, 1190, 1195, 1200, 1205, 1210, 1215, 1220, 1225, 1230, 1235, 1240, 1245, 1250, 1255, 1260, 1265, 1270, 1275, 1280, 1285, 1290, 1295, 1300, 1305, 1310, 1315, 1320, 1325, 1330, 1335, 1340, 1345, 1350, 1355, 1360, 1365, 1370, 1375, 1380, 1385, 1390, 1395, 1400, 1405, 1410, 1415, 1420, 1425, 1430, 1435, 1440, 1445, 1450, 1455, 1460, 1465, 1470, 1475

LDN6 05

PHOTOMETRY

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30° Above Floor for a Single Luminaire						
LDN6 35/70 L6AR L20, input watts: 78, delivered lumens: 1089, LM/W = 61, spacing criterion at 0 = 1.03, test no. LT1251483.										
	Area	Length	Area	Length	Area	Length	Area	Length	Area	Length
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	Area	Length	Area	Length	Area	Length	Area	Length	Area	Length
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
LDN6 35/70 L6AR L20, input watts: 76, delivered lumens: 1633, LM/W = 63, spacing criterion at 0 = 1.03, test no. LT25146.										
	Area	Length	Area	Length	Area	Length	Area	Length	Area	Length
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	100	100	100	100	100	100	100	100	100	100
	Area	Length	Area	Length	Area</					

OW2207-20 | Pig
E-System Accessory

VISA LIGHTING

Photometrics (per direction / down)

Diagram illustrating the beam spread and footcandle distribution for the MED 10° beam. The diagram shows a circular beam with a diameter of 10 feet and a height of 10 feet. The beam is labeled 'MED 10° beam'.

MED 10° beam

Diagram illustrating the beam spread and footcandle distribution for the NW 22° beam. The diagram shows a circular beam with a diameter of 22 feet and a height of 22 feet. The beam is labeled 'NW 22° beam'.

NW 22° beam

Technical Information

- Integral high power factor electronic power supply with MVQOT operation in wall
- Limited wiring
- Modular design for replacement of LED source and power supply
- IP65 rated
- Bracket mounting system simplifies installation and maintenance
- Maximum use of vertical face
- Longer service life span
- Heat sinking is added to weight
- Cast and fabricated aluminum
- No VOC powder coat paint finish

Relative Scale Drawing

Diagram illustrating the relative scale of the fixture in a room context. The diagram shows a person standing next to the fixture, with dimensions indicating the fixture's size relative to the room. The dimensions are: 2' height, 1' width, and 1' depth.

Path of Egress

LSIC: 30 degree beam spread, slightly angled, mounted 16" above grade, 70' light loss factor used

Diagram illustrating the path of egress, showing the light distribution and dimensions. The diagram shows a person standing next to the fixture, with dimensions indicating the fixture's size relative to the room. The dimensions are: 2' height, 1' width, and 1' depth.

Painted Finishes (Standard)

Specify color code when ordering. For accurate color matching, individual paint and finish samples are available upon request. For additional information visit www.visalighting.com/html/color/index.html

Grid of color swatches for painted finishes. The swatches are arranged in a grid and labeled as follows:

TW9016 Traffic White (RAL9016)	CW9001 Cream (RAL9001)	GW9002 Grey White (RAL9002)	JB9005 Jet Black (RAL9005)	AG7038 Agnate Grey (RAL7038)	HT18 Heather	CVB1 Core Blue
	BSL Blade Silver	GSIL Graphite Silver	GLIM Glacier	SUNG Sungel	BRN2 Bronze	
	OB22 Oil Bronze	EMAT Etonne (RAL9011)	PB1035 Pearl Bronze (RAL1035)	RUST Rust		

This document contains information which is the property of Visa Lighting, and may not, in whole or in part, be duplicated, reprinted, or used for design or manufacturing purposes without the prior written permission of Visa Lighting. © Visa Lighting, Design Modifications Rights Reserved.

800-788-VISA

VisaLighting.com

Page 2

Performance Data

Thermal Performance (LAP) Multipliers

The following table shows the thermal resistance values for average ambient temperatures from 0°C to 100°C.

Average Ambient Temperature (°C)	Thermal Resistance (°C/W)	Thermal Resistance (°C/W)
0	2.75	1.00
10	2.75	1.00
20	2.75	1.00
30	2.75	1.00
40	2.75	1.00
50	2.75	1.00
60	2.75	1.00
70	2.75	1.00
80	2.75	1.00
90	2.75	1.00
100	2.75	1.00

Projected LED Lifetime Maintenance

The following table shows the projected lifetime maintenance for the LEDS001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

Operating Temperature (°C)	Operating Current (mA)	Operating Voltage (V)	Operating Power (W)	Operating Frequency (Hz)	Operating Duty Cycle (%)
0	10.00	10.00	100.00	1000	100
10	10.00	10.00	100.00	1000	100
20	10.00	10.00	100.00	1000	100
30	10.00	10.00	100.00	1000	100
40	10.00	10.00	100.00	1000	100
50	10.00	10.00	100.00	1000	100
60	10.00	10.00	100.00	1000	100
70	10.00	10.00	100.00	1000	100
80	10.00	10.00	100.00	1000	100
90	10.00	10.00	100.00	1000	100
100	10.00	10.00	100.00	1000	100

Photometric Diagrams

To see complete photometric reports or download the data for the product, please visit www.lithonia-lighting.com

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

Options and Accessories

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

FEATURES & SPECIFICATIONS

FEATURES

- The LEDS001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:
- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

FEATURES

- The LEDS001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:
- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

FEATURES

- The LEDS001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:
- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

Electrical Load

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

Mechanical Specifications

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

Options and Accessories

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

- Operating temperature: 25°C
- Operating current: 1000 mA
- Operating voltage: 3.0V
- Operating power: 3.0W
- Operating frequency: 1000 Hz
- Operating duty cycle: 100%

LEDs001 LED 1000 mA and 1000 mA (1000 mA) LED using the following conditions:

LITHONIA LIGHTING®
An Acuity Brands Company

© 2014-2016 Acuity Brands Lighting, Inc. All rights reserved. Rev. 07/21/16

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com
© 2011-2012 Acuity Brands Lighting, Inc. All rights reserved.

This document contains information which is the property of Visa Lighting, and may not, in whole or in part, be duplicated, disclosed, or used for design or manufacturing purposes without the prior written permission of Visa Lighting. ©Visa Lighting. Design Modification Rights Reserved.

800-788-VISA VisaLighting.com Page 2


 One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8061 • www.lithonia.com
 © 2013-2019 Acuity Brands Lighting, Inc. All rights reserved.



Project Number
18045.0

Sheet Title

SITE
PHOTOMETRIC
FIXTURES

Sheet Number
E1.2